

Package ‘brickster’

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Title R Toolkit for 'Databricks'

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Description Collection of utilities that improve using 'Databricks' from R.
Primarily functions that wrap specific 'Databricks' APIs
(<https://docs.databricks.com/api>), 'RStudio' connection pane support, quality
of life functions to make 'Databricks' simpler to use.

License Apache License (>= 2)

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access_control_request	
<i>Access Control Request</i>	

Description

Access Control Request

Usage

access_control_request(...)

Arguments

... Instances of [access_control_req_user\(\)](#) or [access_control_req_group\(\)](#).

See Also

[db_jobs_create\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_update\(\)](#)

access_control_req_group	
<i>Access Control Request for Group</i>	

Description

Access Control Request for Group

Usage

```
access_control_req_group(  
    group,  
    permission_level = c("CAN_MANAGE", "CAN_MANAGE_RUN", "CAN_VIEW")  
)
```

Arguments

group	Group name. There are two built-in groups: users for all users, and admins for administrators.
permission_level	Permission level to grant. One of CAN_MANAGE, CAN_MANAGE_RUN, CAN_VIEW.

See Also

[access_control_request\(\)](#)

Other Access Control Request Objects: [access_control_req_user\(\)](#)

access_control_req_user	<i>Access Control Request For User</i>
-------------------------	--

Description

Access Control Request For User

Usage

```
access_control_req_user(
    user_name,
    permission_level = c("CAN_MANAGE", "CAN_MANAGE_RUN", "CAN_VIEW", "IS_OWNER")
)
```

Arguments

user_name	Email address for the user.
permission_level	Permission level to grant. One of CAN_MANAGE, CAN_MANAGE_RUN, CAN_VIEW, IS_OWNER.

See Also

[access_control_request\(\)](#)

Other Access Control Request Objects: [access_control_req_group\(\)](#)

add_lib_path	<i>Add Library Path</i>
--------------	-------------------------

Description

Add Library Path

Usage

```
add_lib_path(path, after, version = FALSE)
```

Arguments

path	Directory that will added as location for which packages are searched. Recursively creates the directory if it doesn't exist. On Databricks remember to use /dbfs/ or /Volumes/... as a prefix.
after	Location at which to append the path value after.
version	If TRUE will add the R version string to the end of path. This is recommended if using different R versions and sharing a common path between users.

Details

This functions primary use is when using Databricks notebooks or hosted RStudio, however, it works anywhere.

See Also

[base::libPaths\(\)](#), [remove_lib_path\(\)](#)

aws_attributes

AWS Attributes

Description

AWS Attributes

Usage

```
aws_attributes(
  first_on_demand = 1,
  availability = c("SPOT_WITH_FALLBACK", "SPOT", "ON_DEMAND"),
  zone_id = NULL,
  instance_profile_arn = NULL,
  spot_bid_price_percent = 100,
  ebs_volume_type = c("GENERAL_PURPOSE_SSD", "THROUGHPUT_OPTIMIZED_HDD"),
  ebs_volume_count = 1,
  ebs_volume_size = NULL,
  ebs_volume_iops = NULL,
  ebs_volume_throughput = NULL
)
```

Arguments

first_on_demand	Number of nodes of the cluster that will be placed on on-demand instances. If this value is greater than 0, the cluster driver node will be placed on an on-demand instance. If this value is greater than or equal to the current cluster size, all nodes will be placed on on-demand instances. If this value is less than the current cluster size, first_on_demand nodes will be placed on on-demand
-----------------	--

	instances and the remainder will be placed on availability instances. This value does not affect cluster size and cannot be mutated over the lifetime of a cluster.
availability	One of SPOT_WITH_FALLBACK, SPOT, ON_DEMAND. Type used for all subsequent nodes past the first_on_demand ones. If first_on_demand is zero, this availability type will be used for the entire cluster.
zone_id	Identifier for the availability zone/datacenter in which the cluster resides. You have three options: availability zone in same region as the Databricks deployment, auto which selects based on available IPs, NULL which will use the default availability zone.
instance_profile_arn	Nodes for this cluster will only be placed on AWS instances with this instance profile. If omitted, nodes will be placed on instances without an instance profile. The instance profile must have previously been added to the Databricks environment by an account administrator. This feature may only be available to certain customer plans.
spot_bid_price_percent	The max price for AWS spot instances, as a percentage of the corresponding instance type's on-demand price. For example, if this field is set to 50, and the cluster needs a new i3.xlarge spot instance, then the max price is half of the price of on-demand i3.xlarge instances. Similarly, if this field is set to 200, the max price is twice the price of on-demand i3.xlarge instances. If not specified, the default value is 100. When spot instances are requested for this cluster, only spot instances whose max price percentage matches this field will be considered. For safety, we enforce this field to be no more than 10000.
ebs_volume_type	Either GENERAL_PURPOSE_SSD or THROUGHPUT_OPTIMIZED_HDD
ebs_volume_count	The number of volumes launched for each instance. You can choose up to 10 volumes. This feature is only enabled for supported node types. Legacy node types cannot specify custom EBS volumes. For node types with no instance store, at least one EBS volume needs to be specified; otherwise, cluster creation will fail. These EBS volumes will be mounted at /ebs0, /ebs1, and etc. Instance store volumes will be mounted at /local_disk0, /local_disk1, and etc. If EBS volumes are attached, Databricks will configure Spark to use only the EBS volumes for scratch storage because heterogeneously sized scratch devices can lead to inefficient disk utilization. If no EBS volumes are attached, Databricks will configure Spark to use instance store volumes. If EBS volumes are specified, then the Spark configuration spark.local.dir will be overridden.
ebs_volume_size	The size of each EBS volume (in GiB) launched for each instance. For general purpose SSD, this value must be within the range 100 - 4096. For throughput optimized HDD, this value must be within the range 500 - 4096. Custom EBS volumes cannot be specified for the legacy node types (memory-optimized and compute-optimized).

- ebs_volume_iops
The number of IOPS per EBS gp3 volume. This value must be between 3000 and 16000. The value of IOPS and throughput is calculated based on AWS documentation to match the maximum performance of a gp2 volume with the same volume size.
- ebs_volume_throughput
The throughput per EBS gp3 volume, in MiB per second. This value must be between 125 and 1000.

Details

If ebs_volume_iops, ebs_volume_throughput, or both are not specified, the values will be inferred from the throughput and IOPS of a gp2 volume with the same disk size, by using the following calculation:

Disk size	IOPS	Throughput
Greater than 1000	3 times the disk size up to 16000	250
Between 170 and 1000	3000	250
Below 170	3000	128

See Also

- [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#)
- Other Cloud Attributes: [azure_attributes\(\)](#), [gcp_attributes\(\)](#)

azure_attributes	<i>Azure Attributes</i>
------------------	-------------------------

Description

Azure Attributes

Usage

```
azure_attributes(  
  first_on_demand = 1,  
  availability = c("SPOT_WITH_FALLBACK", "SPOT", "ON_DEMAND"),  
  spot_bid_max_price = -1  
)
```

Arguments

- first_on_demand
Number of nodes of the cluster that will be placed on on-demand instances. If this value is greater than 0, the cluster driver node will be placed on an on-demand instance. If this value is greater than or equal to the current cluster size, all nodes will be placed on on-demand instances. If this value is less than the current cluster size, first_on_demand nodes will be placed on on-demand

	instances and the remainder will be placed on availability instances. This value does not affect cluster size and cannot be mutated over the lifetime of a cluster.
availability	One of SPOT_WITH_FALLBACK, SPOT, ON_DEMAND. Type used for all subsequent nodes past the first_on_demand ones. If first_on_demand is zero, this availability type will be used for the entire cluster.
spot_bid_max_price	The max bid price used for Azure spot instances. You can set this to greater than or equal to the current spot price. You can also set this to -1 (the default), which specifies that the instance cannot be evicted on the basis of price. The price for the instance will be the current price for spot instances or the price for a standard instance. You can view historical pricing and eviction rates in the Azure portal.

See Also

[db_cluster_create\(\)](#), [db_cluster_edit\(\)](#)

Other Cloud Attributes: [aws_attributes\(\)](#), [gcp_attributes\(\)](#)

close_workspace	<i>Close Databricks Workspace Connection</i>
-----------------	--

Description

Close Databricks Workspace Connection

Usage

```
close_workspace(host = db_host())
```

Arguments

host Databricks workspace URL, defaults to calling [db_host\(\)](#).

Examples

```
## Not run:
close_workspace(host = db_host())

## End(Not run)
```

cluster_autoscale	<i>Cluster Autoscale</i>
-------------------	--------------------------

Description

Range defining the min and max number of cluster workers.

Usage

cluster_autoscale(min_workers, max_workers)

Arguments

- | | |
|-------------|--|
| min_workers | The minimum number of workers to which the cluster can scale down when underutilized. It is also the initial number of workers the cluster will have after creation. |
| max_workers | The maximum number of workers to which the cluster can scale up when overloaded. max_workers must be strictly greater than min_workers. |

See Also

[db_cluster_create\(\)](#), [db_cluster_edit\(\)](#)

cluster_log_conf	<i>Cluster Log Configuration</i>
------------------	----------------------------------

Description

Path to cluster log.

Usage

cluster_log_conf(dbfs = NULL, s3 = NULL)

Arguments

- | | |
|------|---|
| dbfs | Instance of dbfs_storage_info() . |
| s3 | Instance of s3_storage_info() . |

Details

dbfs and s3 are mutually exclusive, logs can only be sent to one destination.

See Also

Other Cluster Log Configuration Objects: [dbfs_storage_info\(\)](#), [s3_storage_info\(\)](#)

condition_task	<i>Condition Task</i>
----------------	-----------------------

Description

Condition Task

Usage

```
condition_task(  
    left,  
    right,  
    op = c("EQUAL_TO", "GREATER_THAN", "GREATER_THAN_OR_EQUAL", "LESS_THAN",  
           "LESS_THAN_OR_EQUAL", "NOT_EQUAL")  
)
```

Arguments

left	Left operand of the condition task. Either a string value or a job state or parameter reference.
right	Right operand of the condition task. Either a string value or a job state or parameter reference.
op	Operator, one of "EQUAL_TO", "GREATER_THAN", "GREATER_THAN_OR_EQUAL", "LESS_THAN", "LESS_THAN_OR_EQUAL", "NOT_EQUAL"

Details

The task evaluates a condition that can be used to control the execution of other tasks when the condition_task field is present. The condition task does not require a cluster to execute and does not support retries or notifications.

See Also

Other Task Objects: [email_notifications\(\)](#), [for_each_task\(\)](#), [libraries\(\)](#), [new_cluster\(\)](#), [notebook_task\(\)](#), [pipeline_task\(\)](#), [python_wheel_task\(\)](#), [run_job_task\(\)](#), [spark_jar_task\(\)](#), [spark_python_task\(\)](#), [spark_submit_task\(\)](#), [sql_file_task\(\)](#), [sql_query_task\(\)](#)

cron_schedule	<i>Cron Schedule</i>
---------------	----------------------

Description

Cron Schedule

Usage

```
cron_schedule(
  quartz_cron_expression,
  timezone_id = "Etc/UTC",
  pause_status = c("UNPAUSED", "PAUSED")
)
```

Arguments

quartz_cron_expression	Cron expression using Quartz syntax that describes the schedule for a job. See Cron Trigger for details.
timezone_id	Java timezone ID. The schedule for a job is resolved with respect to this time-zone. See Java TimeZone for details.
pause_status	Indicate whether this schedule is paused or not. Either UNPAUSED (default) or PAUSED.

See Also

[db_jobs_create\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_update\(\)](#)

dbfs_storage_info	<i>DBFS Storage Information</i>
-------------------	---------------------------------

Description

DBFS Storage Information

Usage

```
dbfs_storage_info(destination)
```

Arguments

destination	DBFS destination. Example: dbfs:/my/path.
-------------	---

See Also

[cluster_log_conf\(\)](#), [init_script_info\(\)](#)

Other Cluster Log Configuration Objects: [cluster_log_conf\(\)](#), [s3_storage_info\(\)](#)

Other Init Script Info Objects: [file_storage_info\(\)](#), [s3_storage_info\(\)](#)

db_cluster_action	<i>Cluster Action Helper Function</i>
-------------------	---------------------------------------

Description

Cluster Action Helper Function

Usage

```
db_cluster_action(
  cluster_id,
  action = c("start", "restart", "delete", "permanent-delete", "pin", "unpin"),
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

cluster_id	Canonical identifier for the cluster.
action	One of start, restart, delete, permanent-delete, pin, unpin.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

db_cluster_create	<i>Create a Cluster</i>
-------------------	-------------------------

Description

Create a Cluster

Usage

```
db_cluster_create(
  name,
  spark_version,
  node_type_id,
  num_workers = NULL,
  autoscale = NULL,
  spark_conf = list(),
  cloud_attrs = aws_attributes(),
```

```

    driver_node_type_id = NULL,
    custom_tags = list(),
    init_scripts = list(),
    spark_env_vars = list(),
    autotermination_minutes = 120,
    log_conf = NULL,
    ssh_public_keys = NULL,
    driver_instance_pool_id = NULL,
    instance_pool_id = NULL,
    idempotency_token = NULL,
    enable_elastic_disk = TRUE,
    apply_policy_default_values = TRUE,
    enable_local_disk_encryption = TRUE,
    docker_image = NULL,
    policy_id = NULL,
    kind = c("CLASSIC_PREVIEW"),
    data_security_mode = c("NONE", "SINGLE_USER", "USER_ISOLATION", "LEGACY_TABLE_ACL",
        "LEGACY_PASSTHROUGH", "LEGACY_SINGLE_USER", "LEGACY_SINGLE_USER_STANDARD",
        "DATA_SECURITY_MODE_STANDARD", "DATA_SECURITY_MODE_DEDICATED",
        "DATA_SECURITY_MODE_AUTO"),
    host = db_host(),
    token = db_token(),
    perform_request = TRUE
)

```

Arguments

name	Cluster name requested by the user. This doesn't have to be unique. If not specified at creation, the cluster name will be an empty string.
spark_version	The runtime version of the cluster. You can retrieve a list of available runtime versions by using db_cluster_runtime_versions() .
node_type_id	The node type for the worker nodes. db_cluster_list_node_types() can be used to see available node types.
num_workers	Number of worker nodes that this cluster should have. A cluster has one Spark driver and num_workers executors for a total of num_workers + 1 Spark nodes.
autoscale	Instance of cluster_autoscale() .
spark_conf	Named list. An object containing a set of optional, user-specified Spark configuration key-value pairs. You can also pass in a string of extra JVM options to the driver and the executors via spark.driver.extraJavaOptions and spark.executor.extraJavaOptions respectively. E.g. list("spark.speculation" = true, "spark.streaming.ui.retainedBatches" = 5).
cloud_attrs	Attributes related to clusters running on specific cloud provider. Defaults to aws_attributes() . Must be one of aws_attributes() , azure_attributes() , gcp_attributes() .
driver_node_type_id	The node type of the Spark driver. This field is optional; if unset, the driver node type will be set as the same value as node_type_id defined above. db_cluster_list_node_types() can be used to see available node types.

<code>custom_tags</code>	Named list. An object containing a set of tags for cluster resources. Databricks tags all cluster resources with these tags in addition to <code>default_tags</code> . Databricks allows at most 45 custom tags.
<code>init_scripts</code>	Instance of <code>init_script_info()</code> .
<code>spark_env_vars</code>	Named list. User-specified environment variable key-value pairs. In order to specify an additional set of <code>SPARK_DAEMON_JAVA_OPTS</code> , we recommend appending them to <code>\$SPARK_DAEMON_JAVA_OPTS</code> as shown in the following example. This ensures that all default Databricks managed environmental variables are included as well. E.g. <code>{"SPARK_DAEMON_JAVA_OPTS": "\$SPARK_DAEMON_JAVA_OPTS -Dspark.shuffle.service.enabled=true"}</code>
<code>autotermination_minutes</code>	Automatically terminates the cluster after it is inactive for this time in minutes. If not set, this cluster will not be automatically terminated. If specified, the threshold must be between 10 and 10000 minutes. You can also set this value to 0 to explicitly disable automatic termination. Defaults to 120.
<code>log_conf</code>	Instance of <code>cluster_log_conf()</code> .
<code>ssh_public_keys</code>	List. SSH public key contents that will be added to each Spark node in this cluster. The corresponding private keys can be used to login with the user name <code>ubuntu</code> on port 2200. Up to 10 keys can be specified.
<code>driver_instance_pool_id</code>	ID of the instance pool to use for the driver node. You must also specify <code>instance_pool_id</code> . Optional.
<code>instance_pool_id</code>	ID of the instance pool to use for cluster nodes. If <code>driver_instance_pool_id</code> is present, <code>instance_pool_id</code> is used for worker nodes only. Otherwise, it is used for both the driver and worker nodes. Optional.
<code>idempotency_token</code>	An optional token that can be used to guarantee the idempotency of cluster creation requests. If an active cluster with the provided token already exists, the request will not create a new cluster, but it will return the ID of the existing cluster instead. The existence of a cluster with the same token is not checked against terminated clusters. If you specify the idempotency token, upon failure you can retry until the request succeeds. Databricks guarantees that exactly one cluster will be launched with that idempotency token. This token should have at most 64 characters.
<code>enable_elastic_disk</code>	When enabled, this cluster will dynamically acquire additional disk space when its Spark workers are running low on disk space.
<code>apply_policy_default_values</code>	Boolean (Default: <code>TRUE</code>), whether to use policy default values for missing cluster attributes.
<code>enable_local_disk_encryption</code>	Boolean (Default: <code>TRUE</code>), whether encryption of disks locally attached to the cluster is enabled.
<code>docker_image</code>	Instance of <code>docker_image()</code> .

policy_id	String, ID of a cluster policy.
kind	The kind of compute described by this compute specification.
data_security_mode	Data security mode decides what data governance model to use when accessing data from a cluster.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Create a new Apache Spark cluster. This method acquires new instances from the cloud provider if necessary. This method is asynchronous; the returned `cluster_id` can be used to poll the cluster state ([db_cluster_get\(\)](#)). When this method returns, the cluster is in a PENDING state. The cluster is usable once it enters a RUNNING state.

Databricks may not be able to acquire some of the requested nodes, due to cloud provider limitations or transient network issues. If Databricks acquires at least 85% of the requested on-demand nodes, cluster creation will succeed. Otherwise the cluster will terminate with an informative error message.

Cannot specify both `autoscale` and `num_workers`, must choose one.

[More Documentation.](#)

See Also

Other Clusters API: [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_delete	<i>Delete/Terminate a Cluster</i>
-------------------	-----------------------------------

Description

Delete/Terminate a Cluster

Usage

```
db_cluster_delete(
  cluster_id,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

cluster_id	Canonical identifier for the cluster.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

The cluster must be in the RUNNING state.

db_cluster_edit	<i>Edit a Cluster</i>
-----------------	-----------------------

Description

Edit the configuration of a cluster to match the provided attributes and size.

Usage

```
db_cluster_edit(  
  cluster_id,  
  spark_version,  
  node_type_id,  
  num_workers = NULL,  
  autoscale = NULL,  
  name = NULL,  
  spark_conf = NULL,  
  cloud_attrs = NULL,  
  driver_node_type_id = NULL,  
  custom_tags = NULL,  
  init_scripts = NULL,  
  spark_env_vars = NULL,  
  autotermination_minutes = NULL,  
  log_conf = NULL,  
  ssh_public_keys = NULL,  
  driver_instance_pool_id = NULL,  
  instance_pool_id = NULL,  
  idempotency_token = NULL,  
  enable_elastic_disk = NULL,  
  apply_policy_default_values = NULL,  
  enable_local_disk_encryption = NULL,  
  docker_image = NULL,  
  policy_id = NULL,  
  kind = c("CLASSIC_PREVIEW"),
```

```

data_security_mode = c("NONE", "SINGLE_USER", "USER_ISOLATION", "LEGACY_TABLE_ACL",
    "LEGACY_PASSTHROUGH", "LEGACY_SINGLE_USER", "LEGACY_SINGLE_USER_STANDARD",
    "DATA_SECURITY_MODE_STANDARD", "DATA_SECURITY_MODE_DEDICATED",
    "DATA_SECURITY_MODE_AUTO"),
host = db_host(),
token = db_token(),
perform_request = TRUE
)

```

Arguments

cluster_id	Canonical identifier for the cluster.
spark_version	The runtime version of the cluster. You can retrieve a list of available runtime versions by using db_cluster_runtime_versions() .
node_type_id	The node type for the worker nodes. db_cluster_list_node_types() can be used to see available node types.
num_workers	Number of worker nodes that this cluster should have. A cluster has one Spark driver and num_workers executors for a total of num_workers + 1 Spark nodes.
autoscale	Instance of cluster_autoscale() .
name	Cluster name requested by the user. This doesn't have to be unique. If not specified at creation, the cluster name will be an empty string.
spark_conf	Named list. An object containing a set of optional, user-specified Spark configuration key-value pairs. You can also pass in a string of extra JVM options to the driver and the executors via spark.driver.extraJavaOptions and spark.executor.extraJavaOptions respectively. E.g. list("spark.speculation" = true, "spark.streaming.ui.retainedBatches" = 5).
cloud_attrs	Attributes related to clusters running on specific cloud provider. Defaults to aws_attributes() . Must be one of aws_attributes() , azure_attributes() , gcp_attributes() .
driver_node_type_id	The node type of the Spark driver. This field is optional; if unset, the driver node type will be set as the same value as node_type_id defined above. db_cluster_list_node_types() can be used to see available node types.
custom_tags	Named list. An object containing a set of tags for cluster resources. Databricks tags all cluster resources with these tags in addition to default_tags. Databricks allows at most 45 custom tags.
init_scripts	Instance of init_script_info() .
spark_env_vars	Named list. User-specified environment variable key-value pairs. In order to specify an additional set of SPARK_DAEMON_JAVA_OPTS, we recommend appending them to \$SPARK_DAEMON_JAVA_OPTS as shown in the following example. This ensures that all default Databricks managed environmental variables are included as well. E.g. {"SPARK_DAEMON_JAVA_OPTS": "\$SPARK_DAEMON_JAVA_OPTS -Dspark.shuffle.service.enabled=true"}
autotermination_minutes	Automatically terminates the cluster after it is inactive for this time in minutes. If not set, this cluster will not be automatically terminated. If specified, the

	threshold must be between 10 and 10000 minutes. You can also set this value to 0 to explicitly disable automatic termination. Defaults to 120.
log_conf	Instance of <code>cluster_log_conf()</code> .
ssh_public_keys	List. SSH public key contents that will be added to each Spark node in this cluster. The corresponding private keys can be used to login with the user name ubuntu on port 2200. Up to 10 keys can be specified.
driver_instance_pool_id	ID of the instance pool to use for the driver node. You must also specify instance_pool_id. Optional.
instance_pool_id	ID of the instance pool to use for cluster nodes. If driver_instance_pool_id is present, instance_pool_id is used for worker nodes only. Otherwise, it is used for both the driver and worker nodes. Optional.
idempotency_token	An optional token that can be used to guarantee the idempotency of cluster creation requests. If an active cluster with the provided token already exists, the request will not create a new cluster, but it will return the ID of the existing cluster instead. The existence of a cluster with the same token is not checked against terminated clusters. If you specify the idempotency token, upon failure you can retry until the request succeeds. Databricks guarantees that exactly one cluster will be launched with that idempotency token. This token should have at most 64 characters.
enable_elastic_disk	When enabled, this cluster will dynamically acquire additional disk space when its Spark workers are running low on disk space.
apply_policy_default_values	Boolean (Default: TRUE), whether to use policy default values for missing cluster attributes.
enable_local_disk_encryption	Boolean (Default: TRUE), whether encryption of disks locally attached to the cluster is enabled.
docker_image	Instance of <code>docker_image()</code> .
policy_id	String, ID of a cluster policy.
kind	The kind of compute described by this compute specification.
data_security_mode	Data security mode decides what data governance model to use when accessing data from a cluster.
host	Databricks workspace URL, defaults to calling <code>db_host()</code> .
token	Databricks workspace token, defaults to calling <code>db_token()</code> .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

You can edit a cluster if it is in a RUNNING or TERMINATED state. If you edit a cluster while it is in a RUNNING state, it will be restarted so that the new attributes can take effect. If you edit a cluster while it is in a TERMINATED state, it will remain TERMINATED. The next time it is started using the clusters/start API, the new attributes will take effect. An attempt to edit a cluster in any other state will be rejected with an INVALID_STATE error code.

Clusters created by the Databricks Jobs service cannot be edited.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_events	<i>List Cluster Activity Events</i>
-------------------	-------------------------------------

Description

List Cluster Activity Events

Usage

```
db_cluster_events(  
  cluster_id,  
  start_time = NULL,  
  end_time = NULL,  
  event_types = NULL,  
  order = c("DESC", "ASC"),  
  offset = 0,  
  limit = 50,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

cluster_id	The ID of the cluster to retrieve events about.
start_time	The start time in epoch milliseconds. If empty, returns events starting from the beginning of time.
end_time	The end time in epoch milliseconds. If empty, returns events up to the current time.
event_types	List. Optional set of event types to filter by. Default is to return all events. Event Types.

order	Either DESC (default) or ASC.
offset	The offset in the result set. Defaults to 0 (no offset). When an offset is specified and the results are requested in descending order, the end_time field is required.
limit	Maximum number of events to include in a page of events. Defaults to 50, and maximum allowed value is 500.
host	Databricks workspace URL, defaults to calling db_host().
token	Databricks workspace token, defaults to calling db_token().
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned without being performed.

Details

Retrieve a list of events about the activity of a cluster. You can retrieve events from active clusters (running, pending, or reconfiguring) and terminated clusters within 30 days of their last termination. This API is paginated. If there are more events to read, the response includes all the parameters necessary to request the next page of events.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_get	<i>Get Details of a Cluster</i>
----------------	---------------------------------

Description

Get Details of a Cluster

Usage

```
db_cluster_get(  
  cluster_id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

cluster_id	Canonical identifier for the cluster.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Retrieve the information for a cluster given its identifier. Clusters can be described while they are running or up to 30 days after they are terminated.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_list	<i>List Clusters</i>
-----------------	----------------------

Description

List Clusters

Usage

```
db_cluster_list(host = db_host(), token = db_token(), perform_request = TRUE)
```

Arguments

host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Return information about all pinned clusters, active clusters, up to 150 of the most recently terminated all-purpose clusters in the past 30 days, and up to 30 of the most recently terminated job clusters in the past 30 days.

For example, if there is 1 pinned cluster, 4 active clusters, 45 terminated all-purpose clusters in the past 30 days, and 50 terminated job clusters in the past 30 days, then this API returns:

- the 1 pinned cluster
- 4 active clusters
- All 45 terminated all-purpose clusters
- The 30 most recently terminated job clusters

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_list_node_types

List Available Cluster Node Types

Description

List Available Cluster Node Types

Usage

```
db_cluster_list_node_types(
    host = db_host(),
    token = db_token(),
    perform_request = TRUE
)
```

Arguments

host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Return a list of supported Spark node types. These node types can be used to launch a cluster.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_list_zones *List Availability Zones (AWS Only)*

Description

List Availability Zones (AWS Only)

Usage

```
db_cluster_list_zones(  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Amazon Web Services (AWS) ONLY! Return a list of availability zones where clusters can be created in (ex: us-west-2a). These zones can be used to launch a cluster.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

`db_cluster_perm_delete`*Permanently Delete a Cluster*

Description

Permanently Delete a Cluster

Usage

```
db_cluster_perm_delete(  
    cluster_id,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

<code>cluster_id</code>	Canonical identifier for the cluster.
<code>host</code>	Databricks workspace URL, defaults to calling db_host() .
<code>token</code>	Databricks workspace token, defaults to calling db_token() .
<code>perform_request</code>	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

If the cluster is running, it is terminated and its resources are asynchronously removed. If the cluster is terminated, then it is immediately removed.

You cannot perform *any action, including retrieve the cluster's permissions, on a permanently deleted cluster. A permanently deleted cluster is also no longer returned in the cluster list.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_pin	<i>Pin a Cluster</i>
----------------	----------------------

Description

Pin a Cluster

Usage

```
db_cluster_pin(  
  cluster_id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

- cluster_id Canonical identifier for the cluster.
- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

Details

Ensure that an all-purpose cluster configuration is retained even after a cluster has been terminated for more than 30 days. Pinning ensures that the cluster is always returned by [db_cluster_list\(\)](#). Pinning a cluster that is already pinned has no effect.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_resize	<i>Resize a Cluster</i>
-------------------	-------------------------

Description

Resize a Cluster

Usage

```
db_cluster_resize(  
    cluster_id,  
    num_workers = NULL,  
    autoscale = NULL,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

cluster_id	Canonical identifier for the cluster.
num_workers	Number of worker nodes that this cluster should have. A cluster has one Spark driver and num_workers executors for a total of num_workers + 1 Spark nodes.
autoscale	Instance of cluster_autoscale() .
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

The cluster must be in the RUNNING state.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_restart	<i>Restart a Cluster</i>
--------------------	--------------------------

Description

Restart a Cluster

Usage

```
db_cluster_restart(
  cluster_id,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

cluster_id	Canonical identifier for the cluster.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

The cluster must be in the RUNNING state.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_runtime_versions	<i>List Available Databricks Runtime Versions</i>
-----------------------------	---

Description

List Available Databricks Runtime Versions

Usage

```
db_cluster_runtime_versions(
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Return the list of available runtime versions. These versions can be used to launch a cluster.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_start	<i>Start a Cluster</i>
------------------	------------------------

Description

Start a Cluster

Usage

```
db_cluster_start(
  cluster_id,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

cluster_id	Canonical identifier for the cluster.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Start a terminated cluster given its ID.

This is similar to [db_cluster_create\(\)](#), except:

- The terminated cluster ID and attributes are preserved.
- The cluster starts with the last specified cluster size. If the terminated cluster is an autoscaling cluster, the cluster starts with the minimum number of nodes.
- If the cluster is in the RESTARTING state, a 400 error is returned.
- You cannot start a cluster launched to run a job.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_terminate *Delete/Terminate a Cluster*

Description

Delete/Terminate a Cluster

Usage

```
db_cluster_terminate(
  cluster_id,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

cluster_id	Canonical identifier for the cluster.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

The cluster is removed asynchronously. Once the termination has completed, the cluster will be in the TERMINATED state. If the cluster is already in a TERMINATING or TERMINATED state, nothing will happen.

Unless a cluster is pinned, 30 days after the cluster is terminated, it is permanently deleted.

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#), [get_latest_dbr\(\)](#)

db_cluster_unpin	<i>Unpin a Cluster</i>
------------------	------------------------

Description

Unpin a Cluster

Usage

```
db_cluster_unpin(
  cluster_id,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

cluster_id	Canonical identifier for the cluster.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Allows the cluster to eventually be removed from the list returned by `db_cluster_list()`. Unpinning a cluster that is not pinned has no effect.

See Also

Other Clusters API: `db_cluster_create()`, `db_cluster_edit()`, `db_cluster_events()`, `db_cluster_get()`, `db_cluster_list()`, `db_cluster_list_node_types()`, `db_cluster_list_zones()`, `db_cluster_perm_delete()`, `db_cluster_pin()`, `db_cluster_resize()`, `db_cluster_restart()`, `db_cluster_runtime_versions()`, `db_cluster_start()`, `db_cluster_terminate()`, `get_and_start_cluster()`, `get_latest_dbr()`

db_context_command_cancel

Cancel a Command

Description

Cancel a Command

Usage

```
db_context_command_cancel(
    cluster_id,
    context_id,
    command_id,
    host = db_host(),
    token = db_token(),
    perform_request = TRUE
)
```

Arguments

<code>cluster_id</code>	The ID of the cluster to create the context for.
<code>context_id</code>	The ID of the execution context.
<code>command_id</code>	The ID of the command to get information about.
<code>host</code>	Databricks workspace URL, defaults to calling <code>db_host()</code> .
<code>token</code>	Databricks workspace token, defaults to calling <code>db_token()</code> .
<code>perform_request</code>	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Execution Context API: `db_context_command_parse()`, `db_context_command_run()`, `db_context_command_run_db_context_command_status()`, `db_context_create()`, `db_context_destroy()`, `db_context_status()`

db_context_command_run

Run a Command

Description

Run a Command

Usage

```
db_context_command_run(
    cluster_id,
    context_id,
    language = c("python", "sql", "scala", "r"),
    command = NULL,
    command_file = NULL,
    options = list(),
    host = db_host(),
    token = db_token(),
    perform_request = TRUE
)
```

Arguments

cluster_id	The ID of the cluster to create the context for.
context_id	The ID of the execution context.
language	The language for the context. One of python, sql, scala, r.
command	The command string to run.
command_file	The path to a file containing the command to run.
options	Named list of values used downstream. For example, a 'displayRowLimit' override (used in testing).
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Execution Context API: [db_context_command_cancel\(\)](#), [db_context_command_parse\(\)](#), [db_context_command_run_and_wait\(\)](#), [db_context_command_status\(\)](#), [db_context_create\(\)](#), [db_context_destroy\(\)](#), [db_context_status\(\)](#)

`db_context_command_run_and_wait`*Run a Command and Wait For Results*

Description

Run a Command and Wait For Results

Usage

```
db_context_command_run_and_wait(  
    cluster_id,  
    context_id,  
    language = c("python", "sql", "scala", "r"),  
    command = NULL,  
    command_file = NULL,  
    options = list(),  
    parse_result = TRUE,  
    host = db_host(),  
    token = db_token()  
)
```

Arguments

<code>cluster_id</code>	The ID of the cluster to create the context for.
<code>context_id</code>	The ID of the execution context.
<code>language</code>	The language for the context. One of python, sql, scala, r.
<code>command</code>	The command string to run.
<code>command_file</code>	The path to a file containing the command to run.
<code>options</code>	Named list of values used downstream. For example, a 'displayRowLimit' override (used in testing).
<code>parse_result</code>	Boolean, determines if results are parsed automatically.
<code>host</code>	Databricks workspace URL, defaults to calling db_host() .
<code>token</code>	Databricks workspace token, defaults to calling db_token() .

See Also

Other Execution Context API: [db_context_command_cancel\(\)](#), [db_context_command_parse\(\)](#), [db_context_command_run\(\)](#), [db_context_command_status\(\)](#), [db_context_create\(\)](#), [db_context_destroy\(\)](#), [db_context_status\(\)](#)

`db_context_command_status`*Get Information About a Command*

Description

Get Information About a Command

Usage

```
db_context_command_status(  
    cluster_id,  
    context_id,  
    command_id,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

<code>cluster_id</code>	The ID of the cluster to create the context for.
<code>context_id</code>	The ID of the execution context.
<code>command_id</code>	The ID of the command to get information about.
<code>host</code>	Databricks workspace URL, defaults to calling db_host() .
<code>token</code>	Databricks workspace token, defaults to calling db_token() .
<code>perform_request</code>	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Execution Context API: [db_context_command_cancel\(\)](#), [db_context_command_parse\(\)](#), [db_context_command_run\(\)](#), [db_context_command_run_and_wait\(\)](#), [db_context_create\(\)](#), [db_context_destroy\(\)](#), [db_context_status\(\)](#)

db_context_create	Create an Execution Context
-------------------	-----------------------------

Description

Create an Execution Context

Usage

```
db_context_create(  
    cluster_id,  
    language = c("python", "sql", "scala", "r"),  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

cluster_id	The ID of the cluster to create the context for.
language	The language for the context. One of python, sql, scala, r.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Execution Context API: [db_context_command_cancel\(\)](#), [db_context_command_parse\(\)](#), [db_context_command_run\(\)](#), [db_context_command_run_and_wait\(\)](#), [db_context_command_status\(\)](#), [db_context_destroy\(\)](#), [db_context_status\(\)](#)

db_context_destroy	Delete an Execution Context
--------------------	-----------------------------

Description

Delete an Execution Context

Usage

```
db_context_destroy(
  cluster_id,
  context_id,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

cluster_id	The ID of the cluster to create the context for.
context_id	The ID of the execution context.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Execution Context API: [db_context_command_cancel\(\)](#), [db_context_command_parse\(\)](#), [db_context_command_run\(\)](#), [db_context_command_run_and_wait\(\)](#), [db_context_command_status\(\)](#), [db_context_create\(\)](#), [db_context_status\(\)](#)

db_context_manager	<i>Databricks Execution Context Manager (R6 Class)</i>
--------------------	--

Description

Databricks Execution Context Manager (R6 Class)

Databricks Execution Context Manager (R6 Class)

Details

db_context_manager() provides a simple interface to send commands to Databricks cluster and return the results.

Methods**Public methods:**

- [db_context_manager\\$new\(\)](#)
- [db_context_manager\\$close\(\)](#)
- [db_context_manager\\$cmd_run\(\)](#)
- [db_context_manager\\$clone\(\)](#)

Method `new()`: Create a new context manager object.

Usage:

```
db_context_manager$new(  
  cluster_id,  
  language = c("r", "py", "scala", "sql", "sh"),  
  host = db_host(),  
  token = db_token()  
)
```

Arguments:

`cluster_id` The ID of the cluster to execute command on.

`language` One of r, py, scala, sql, or sh.

`host` Databricks workspace URL, defaults to calling `db_host()`.

`token` Databricks workspace token, defaults to calling `db_token()`.

Returns: A new `databricks_context_manager` object.

Method `close()`: Destroy the execution context

Usage:

```
db_context_manager$close()
```

Method `cmd_run()`: Execute a command against a Databricks cluster

Usage:

```
db_context_manager$cmd_run(cmd, language = c("r", "py", "scala", "sql", "sh"))
```

Arguments:

`cmd` code to execute against Databricks cluster

`language` One of r, py, scala, sql, or sh.

Returns: Command results

Method `clone()`: The objects of this class are cloneable with this method.

Usage:

```
db_context_manager$clone(deep = FALSE)
```

Arguments:

`deep` Whether to make a deep clone.

db_context_status

Get Information About an Execution Context

Description

Get Information About an Execution Context

Usage

```
db_context_status(  
  cluster_id,  
  context_id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

- cluster_id The ID of the cluster to create the context for.
- context_id The ID of the execution context.
- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

See Also

Other Execution Context API: [db_context_command_cancel\(\)](#), [db_context_command_parse\(\)](#), [db_context_command_run\(\)](#), [db_context_command_run_and_wait\(\)](#), [db_context_command_status\(\)](#), [db_context_create\(\)](#), [db_context_destroy\(\)](#)

db_current_cloud	<i>Detect Current Workspaces Cloud</i>
------------------	--

Description

Detect Current Workspaces Cloud

Usage

```
db_current_cloud(host = db_host(), token = db_token(), perform_request = TRUE)
```

Arguments

- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

Value

String

db_current_user	<i>Get Current User Info</i>
-----------------	------------------------------

Description

Get Current User Info

Usage

```
db_current_user(host = db_host(), token = db_token(), perform_request = TRUE)
```

Arguments

- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

Value

list of user metadata

db_current_workspace_id	<i>Detect Current Workspace ID</i>
-------------------------	------------------------------------

Description

Detect Current Workspace ID

Usage

```
db_current_workspace_id(  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

Value

String

db_dbfs_add_block	<i>DBFS Add Block</i>
-------------------	-----------------------

Description

Append a block of data to the stream specified by the input handle.

Usage

```
db_dbfs_add_block(
    handle,
    data,
    convert_to_raw = FALSE,
    host = db_host(),
    token = db_token(),
    perform_request = TRUE
)
```

Arguments

handle	Handle on an open stream.
data	Either a path for file on local system or a character/raw vector that will be base64-encoded. This has a limit of 1 MB.
convert_to_raw	Boolean (Default: FALSE), if TRUE will convert character vector to raw via <code>base::as.raw()</code> .
host	Databricks workspace URL, defaults to calling <code>db_host()</code> .
token	Databricks workspace token, defaults to calling <code>db_token()</code> .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

- If the handle does not exist, this call will throw an exception with `RESOURCE_DOES_NOT_EXIST`.
- If the block of data exceeds 1 MB, this call will throw an exception with `MAX_BLOCK_SIZE_EXCEEDED`.

Typical File Upload Flow

- Call create and get a handle via `db_dbfs_create()`
- Make one or more `db_dbfs_add_block()` calls with the handle you have
- Call `db_dbfs_close()` with the handle you have

See Also

Other DBFS API: [db_dbfs_close\(\)](#), [db_dbfs_create\(\)](#), [db_dbfs_delete\(\)](#), [db_dbfs_get_status\(\)](#), [db_dbfs_list\(\)](#), [db_dbfs_mkdirs\(\)](#), [db_dbfs_move\(\)](#), [db_dbfs_put\(\)](#), [db_dbfs_read\(\)](#)

db_dbfs_close

*DBFS Close***Description**

Close the stream specified by the input handle.

Usage

```
db_dbfs_close(
    handle,
    host = db_host(),
    token = db_token(),
    perform_request = TRUE
)
```

Arguments

handle	The handle on an open stream. This field is required.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

If the handle does not exist, this call throws an exception with RESOURCE_DOES_NOT_EXIST.

Value

HTTP Response

Typical File Upload Flow

- Call create and get a handle via [db_dbfs_create\(\)](#)
- Make one or more [db_dbfs_add_block\(\)](#) calls with the handle you have
- Call [db_dbfs_close\(\)](#) with the handle you have

See Also

Other DBFS API: [db_dbfs_add_block\(\)](#), [db_dbfs_create\(\)](#), [db_dbfs_delete\(\)](#), [db_dbfs_get_status\(\)](#), [db_dbfs_list\(\)](#), [db_dbfs_mkdirs\(\)](#), [db_dbfs_move\(\)](#), [db_dbfs_put\(\)](#), [db_dbfs_read\(\)](#)

db_dbfs_create

*DBFS Create***Description**

Open a stream to write to a file and returns a handle to this stream.

Usage

```
db_dbfs_create(
    path,
    overwrite = FALSE,
    host = db_host(),
    token = db_token(),
    perform_request = TRUE
)
```

Arguments

path	The path of the new file. The path should be the absolute DBFS path (for example /mnt/my-file.txt).
overwrite	Boolean, specifies whether to overwrite existing file or files.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

There is a 10 minute idle timeout on this handle. If a file or directory already exists on the given path and overwrite is set to FALSE, this call throws an exception with RESOURCE_ALREADY_EXISTS.

Value

Handle which should subsequently be passed into [db_dbfs_add_block\(\)](#) and [db_dbfs_close\(\)](#) when writing to a file through a stream.

Typical File Upload Flow

- Call create and get a handle via [db_dbfs_create\(\)](#)
- Make one or more [db_dbfs_add_block\(\)](#) calls with the handle you have
- Call [db_dbfs_close\(\)](#) with the handle you have

See Also

Other DBFS API: [db_dbfs_add_block\(\)](#), [db_dbfs_close\(\)](#), [db_dbfs_delete\(\)](#), [db_dbfs_get_status\(\)](#), [db_dbfs_list\(\)](#), [db_dbfs_mkdirs\(\)](#), [db_dbfs_move\(\)](#), [db_dbfs_put\(\)](#), [db_dbfs_read\(\)](#)

db_dbfs_delete

DBFS Delete

Description

DBFS Delete

Usage

```
db_dbfs_delete(  
    path,  
    recursive = FALSE,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

path	The path of the new file. The path should be the absolute DBFS path (for example /mnt/my-file.txt).
recursive	Whether or not to recursively delete the directory's contents. Deleting empty directories can be done without providing the recursive flag.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other DBFS API: [db_dbfs_add_block\(\)](#), [db_dbfs_close\(\)](#), [db_dbfs_create\(\)](#), [db_dbfs_get_status\(\)](#), [db_dbfs_list\(\)](#), [db_dbfs_mkdirs\(\)](#), [db_dbfs_move\(\)](#), [db_dbfs_put\(\)](#), [db_dbfs_read\(\)](#)

db_dbfs_get_status	<i>DBFS Get Status</i>
--------------------	------------------------

Description

Get the file information of a file or directory.

Usage

```
db_dbfs_get_status(
    path,
    host = db_host(),
    token = db_token(),
    perform_request = TRUE
)
```

Arguments

path	The path of the new file. The path should be the absolute DBFS path (for example /mnt/my-file.txt).
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http request is returned <i>without</i> being performed.

Details

- If the file or directory does not exist, this call throws an exception with RESOURCE_DOES_NOT_EXIST.

See Also

Other DBFS API: [db_dbfs_add_block\(\)](#), [db_dbfs_close\(\)](#), [db_dbfs_create\(\)](#), [db_dbfs_delete\(\)](#), [db_dbfs_list\(\)](#), [db_dbfs_mkdirs\(\)](#), [db_dbfs_move\(\)](#), [db_dbfs_put\(\)](#), [db_dbfs_read\(\)](#)

db_dbfs_list	<i>DBFS List</i>
--------------	------------------

Description

List the contents of a directory, or details of the file.

Usage

```
db_dbfs_list(
  path,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

path	The path of the new file. The path should be the absolute DBFS path (for example <code>/mnt/my-file.txt</code>).
host	Databricks workspace URL, defaults to calling <code>db_host()</code> .
token	Databricks workspace token, defaults to calling <code>db_token()</code> .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

When calling list on a large directory, the list operation will time out after approximately 60 seconds.

We **strongly** recommend using list only on directories containing less than 10K files and discourage using the DBFS REST API for operations that list more than 10K files. Instead, we recommend that you perform such operations in the context of a cluster, using the File system utility (`dbutils.fs`), which provides the same functionality without timing out.

- If the file or directory does not exist, this call throws an exception with `RESOURCE_DOES_NOT_EXIST`.

Value

data.frame

See Also

Other DBFS API: `db_dbfs_add_block()`, `db_dbfs_close()`, `db_dbfs_create()`, `db_dbfs_delete()`, `db_dbfs_get_status()`, `db_dbfs_mkdirs()`, `db_dbfs_move()`, `db_dbfs_put()`, `db_dbfs_read()`

db_dbfs_mkdirs

DBFS mkdirs

Description

Create the given directory and necessary parent directories if they do not exist.

Usage

```
db_dbfs_mkdirs(  
    path,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

path	The path of the new file. The path should be the absolute DBFS path (for example /mnt/my-file.txt).
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http request is returned <i>without</i> being performed.

Details

- If there exists a file (not a directory) at any prefix of the input path, this call throws an exception with RESOURCE_ALREADY_EXISTS.
- If this operation fails it may have succeeded in creating some of the necessary parent directories.

See Also

Other DBFS API: [db_dbfs_add_block\(\)](#), [db_dbfs_close\(\)](#), [db_dbfs_create\(\)](#), [db_dbfs_delete\(\)](#), [db_dbfs_get_status\(\)](#), [db_dbfs_list\(\)](#), [db_dbfs_move\(\)](#), [db_dbfs_put\(\)](#), [db_dbfs_read\(\)](#)

db_dbfs_move	<i>DBFS Move</i>
--------------	------------------

Description

Move a file from one location to another location within DBFS.

Usage

```
db_dbfs_move(  
    source_path,  
    destination_path,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

source_path	The source path of the file or directory. The path should be the absolute DBFS path (for example, /mnt/my-source-folder/).
destination_path	The destination path of the file or directory. The path should be the absolute DBFS path (for example, /mnt/my-destination-folder/).
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

If the given source path is a directory, this call always recursively moves all files.

When moving a large number of files, the API call will time out after approximately 60 seconds, potentially resulting in partially moved data. Therefore, for operations that move more than 10K files, we **strongly** discourage using the DBFS REST API. Instead, we recommend that you perform such operations in the context of a cluster, using the File system utility (`dbutils.fs`) from a notebook, which provides the same functionality without timing out.

- If the source file does not exist, this call throws an exception with `RESOURCE_DOES_NOT_EXIST`.
- If there already exists a file in the destination path, this call throws an exception with `RESOURCE_ALREADY_EXISTS`.

See Also

Other DBFS API: [db_dbfs_add_block\(\)](#), [db_dbfs_close\(\)](#), [db_dbfs_create\(\)](#), [db_dbfs_delete\(\)](#), [db_dbfs_get_status\(\)](#), [db_dbfs_list\(\)](#), [db_dbfs_mkdirs\(\)](#), [db_dbfs_put\(\)](#), [db_dbfs_read\(\)](#)

db_dbfs_put

DBFS Put

Description

Upload a file through the use of multipart form post.

Usage

```
db_dbfs_put(
  path,
  file = NULL,
  contents = NULL,
  overwrite = FALSE,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

path	The path of the new file. The path should be the absolute DBFS path (for example /mnt/my-file.txt).
file	Path to a file on local system, takes precedent over path.
contents	String that is base64 encoded.
overwrite	Flag (Default: FALSE) that specifies whether to overwrite existing files.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Either contents or file must be specified. file takes precedent over contents if both are specified.

Mainly used for streaming uploads, but can also be used as a convenient single call for data upload.

The amount of data that can be passed using the contents parameter is limited to 1 MB if specified as a string (MAX_BLOCK_SIZE_EXCEEDED is thrown if exceeded) and 2 GB as a file.

See Also

Other DBFS API: [db_dbfs_add_block\(\)](#), [db_dbfs_close\(\)](#), [db_dbfs_create\(\)](#), [db_dbfs_delete\(\)](#), [db_dbfs_get_status\(\)](#), [db_dbfs_list\(\)](#), [db_dbfs_mkdirs\(\)](#), [db_dbfs_move\(\)](#), [db_dbfs_read\(\)](#)

db_dbfs_read

DBFS Read

Description

Return the contents of a file.

Usage

```
db_dbfs_read(
  path,
  offset = 0,
  length = NULL,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

path	The path of the new file. The path should be the absolute DBFS path (for example /mnt/my-file.txt).
offset	Offset to read from in bytes.
length	Number of bytes to read starting from the offset. This has a limit of 1 MB, and a default value of 0.5 MB.
host	Databricks workspace URL, defaults to calling <code>db_host()</code> .
token	Databricks workspace token, defaults to calling <code>db_token()</code> .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

If offset + length exceeds the number of bytes in a file, reads contents until the end of file.

- If the file does not exist, this call throws an exception with RESOURCE_DOES_NOT_EXIST.
- If the path is a directory, the read length is negative, or if the offset is negative, this call throws an exception with INVALID_PARAMETER_VALUE.
- If the read length exceeds 1 MB, this call throws an exception with MAX_READ_SIZE_EXCEEDED.

See Also

Other DBFS API: `db_dbfs_add_block()`, `db_dbfs_close()`, `db_dbfs_create()`, `db_dbfs_delete()`, `db_dbfs_get_status()`, `db_dbfs_list()`, `db_dbfs_mkdirs()`, `db_dbfs_move()`, `db_dbfs_put()`

db_host	<i>Generate/Fetch Databricks Host</i>
---------	---------------------------------------

Description

If both id and prefix are NULL then the function will check for the DATABRICKS_HOST environment variable. .databrickscfg will be searched if db_profile and use_databrickscfg are set or if Posit Workbench managed OAuth credentials are detected.

When defining id and prefix you do not need to specify the whole URL. E.g. https://<prefix>.<id>.cloud.databricks is the form to follow.

Usage

```
db_host(id = NULL, prefix = NULL, profile = default_config_profile())
```

Arguments

id	The workspace string
prefix	Workspace prefix
profile	Profile to use when fetching from environment variable (e.g. .Renviro) or .databrickscfg file

Details

The behaviour is subject to change depending if `db_profile` and `use_databrickscfg` options are set.

- `use_databrickscfg`: Boolean (default: FALSE), determines if credentials are fetched from profile of `.databrickscfg` or `.Renviron`
- `db_profile`: String (default: NULL), determines profile used. `.databrickscfg` will automatically be used when Posit Workbench managed OAuth credentials are detected.

See vignette on authentication for more details.

Value

workspace URL

See Also

Other Databricks Authentication Helpers: [db_read_netrc\(\)](#), [db_token\(\)](#), [db_wsids\(\)](#)

`db_jobs_create`*Create Job*

Description

Create Job

Usage

```
db_jobs_create(  
  name,  
  tasks,  
  schedule = NULL,  
  job_clusters = NULL,  
  email_notifications = NULL,  
  timeout_seconds = NULL,  
  max_concurrent_runs = 1,  
  access_control_list = NULL,  
  git_source = NULL,  
  queue = TRUE,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

name	Name for the job.
tasks	Task specifications to be executed by this job. Use job_tasks() .
schedule	Instance of cron_schedule() .
job_clusters	Named list of job cluster specifications (using new_cluster()) that can be shared and reused by tasks of this job. Libraries cannot be declared in a shared job cluster. You must declare dependent libraries in task settings.
email_notifications	Instance of email_notifications() .
timeout_seconds	An optional timeout applied to each run of this job. The default behavior is to have no timeout.
max_concurrent_runs	Maximum allowed number of concurrent runs of the job. Set this value if you want to be able to execute multiple runs of the same job concurrently. This setting affects only new runs. This value cannot exceed 1000. Setting this value to 0 causes all new runs to be skipped. The default behavior is to allow only 1 concurrent run.
access_control_list	Instance of access_control_request() .
git_source	Optional specification for a remote repository containing the notebooks used by this job's notebook tasks. Instance of git_source() .
queue	If true, enable queueing for the job.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

[Full Documentation](#)

See Also

[job_tasks\(\)](#), [job_task\(\)](#), [email_notifications\(\)](#), [cron_schedule\(\)](#), [access_control_request\(\)](#), [access_control_req_user\(\)](#), [access_control_req_group\(\)](#), [git_source\(\)](#)

Other Jobs API: [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_delete	<i>Delete a Job</i>
----------------	---------------------

Description

Delete a Job

Usage

```
db_jobs_delete(  
  job_id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

job_id	The canonical identifier of the job.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_get	<i>Get Job Details</i>
-------------	------------------------

Description

Get Job Details

Usage

```
db_jobs_get(  
  job_id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

job_id	The canonical identifier of the job.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_list	<i>List Jobs</i>
--------------	------------------

Description

List Jobs

Usage

```
db_jobs_list(
  limit = 25,
  offset = 0,
  expand_tasks = FALSE,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

limit	Number of jobs to return. This value must be greater than 0 and less or equal to 25. The default value is 25. If a request specifies a limit of 0, the service instead uses the maximum limit.
offset	The offset of the first job to return, relative to the most recently created job.
expand_tasks	Whether to include task and cluster details in the response.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_reset	<i>Overwrite All Settings For A Job</i>
---------------	---

Description

Overwrite All Settings For A Job

Usage

```
db_jobs_reset(  
    job_id,  
    name,  
    schedule,  
    tasks,  
    job_clusters = NULL,  
    email_notifications = NULL,  
    timeout_seconds = NULL,  
    max_concurrent_runs = 1,  
    access_control_list = NULL,  
    git_source = NULL,  
    queue = NULL,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

- | | |
|---------------------|--|
| job_id | The canonical identifier of the job. |
| name | Name for the job. |
| schedule | Instance of cron_schedule() . |
| tasks | Task specifications to be executed by this job. Use job_tasks() . |
| job_clusters | Named list of job cluster specifications (using new_cluster()) that can be shared and reused by tasks of this job. Libraries cannot be declared in a shared job cluster. You must declare dependent libraries in task settings. |
| email_notifications | Instance of email_notifications() . |
| timeout_seconds | An optional timeout applied to each run of this job. The default behavior is to have no timeout. |

max_concurrent_runs	Maximum allowed number of concurrent runs of the job. Set this value if you want to be able to execute multiple runs of the same job concurrently. This setting affects only new runs. This value cannot exceed 1000. Setting this value to 0 causes all new runs to be skipped. The default behavior is to allow only 1 concurrent run.
access_control_list	Instance of access_control_request() .
git_source	Optional specification for a remote repository containing the notebooks used by this job's notebook tasks. Instance of git_source() .
queue	If true, enable queueing for the job.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_runs_cancel	<i>Cancel Job Run</i>
---------------------	-----------------------

Description

Cancels a run.

Usage

```
db_jobs_runs_cancel(
  run_id,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

run_id	The canonical identifier of the run.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

The run is canceled asynchronously, so when this request completes, the run may still be running. The run are terminated shortly. If the run is already in a terminal `life_cycle_state`, this method is a no-op.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_runs_delete	<i>Delete Job Run</i>
---------------------	-----------------------

Description

Delete Job Run

Usage

```
db_jobs_runs_delete(
  run_id,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

<code>run_id</code>	The canonical identifier of the run.
<code>host</code>	Databricks workspace URL, defaults to calling db_host() .
<code>token</code>	Databricks workspace token, defaults to calling db_token() .
<code>perform_request</code>	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_runs_export	<i>Export Job Run Output</i>
---------------------	------------------------------

Description

Export and retrieve the job run task.

Usage

```
db_jobs_runs_export(  
  run_id,  
  views_to_export = c("CODE", "DASHBOARDS", "ALL"),  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

- run_id The canonical identifier of the run.
- views_to_export Which views to export. One of CODE, DASHBOARDS, ALL. Defaults to CODE.
- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_runs_get	<i>Get Job Run Details</i>
------------------	----------------------------

Description

Retrieve the metadata of a run.

Usage

```
db_jobs_runs_get(  
  run_id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

run_id	The canonical identifier of the run.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_runs_get_output

Get Job Run Output

Description

Get Job Run Output

Usage

```
db_jobs_runs_get_output(  
  run_id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

run_id	The canonical identifier of the run.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_runs_list	<i>List Job Runs</i>
-------------------	----------------------

Description

List runs in descending order by start time.

Usage

```
db_jobs_runs_list(  
  job_id,  
  active_only = FALSE,  
  completed_only = FALSE,  
  offset = 0,  
  limit = 25,  
  run_type = c("JOB_RUN", "WORKFLOW_RUN", "SUBMIT_RUN"),  
  expand_tasks = FALSE,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

job_id	The canonical identifier of the job.
active_only	Boolean (Default: FALSE). If TRUE only active runs are included in the results; otherwise, lists both active and completed runs. An active run is a run in the PENDING, RUNNING, or TERMINATING. This field cannot be true when completed_only is TRUE.
completed_only	Boolean (Default: FALSE). If TRUE, only completed runs are included in the results; otherwise, lists both active and completed runs. This field cannot be true when active_only is TRUE.
offset	The offset of the first job to return, relative to the most recently created job.
limit	Number of jobs to return. This value must be greater than 0 and less or equal to 25. The default value is 25. If a request specifies a limit of 0, the service instead uses the maximum limit.
run_type	The type of runs to return. One of JOB_RUN, WORKFLOW_RUN, SUBMIT_RUN.
expand_tasks	Whether to include task and cluster details in the response.
host	Databricks workspace URL, defaults to calling db_host() .

token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_runs_submit	<i>Create And Trigger A One-Time Run</i>
---------------------	--

Description

Create And Trigger A One-Time Run

Usage

```
db_jobs_runs_submit(  
  tasks,  
  run_name,  
  timeout_seconds = NULL,  
  idempotency_token = NULL,  
  access_control_list = NULL,  
  git_source = NULL,  
  job_clusters = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

tasks	Task specifications to be executed by this job. Use job_tasks() .
run_name	Name for the run.
timeout_seconds	An optional timeout applied to each run of this job. The default behavior is to have no timeout.
idempotency_token	An optional token that can be used to guarantee the idempotency of job run requests. If an active run with the provided token already exists, the request does not create a new run, but returns the ID of the existing run instead. If you specify the idempotency token, upon failure you can retry until the request succeeds. Databricks guarantees that exactly one run is launched with that idempotency token. This token must have at most 64 characters.

access_control_list	Instance of access_control_request() .
git_source	Optional specification for a remote repository containing the notebooks used by this job's notebook tasks. Instance of git_source() .
job_clusters	Named list of job cluster specifications (using new_cluster()) that can be shared and reused by tasks of this job. Libraries cannot be declared in a shared job cluster. You must declare dependent libraries in task settings.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_update\(\)](#)

db_jobs_run_now	<i>Trigger A New Job Run</i>
-----------------	------------------------------

Description

Trigger A New Job Run

Usage

```
db_jobs_run_now(
  job_id,
  jar_params = list(),
  notebook_params = list(),
  python_params = list(),
  spark_submit_params = list(),
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

job_id	The canonical identifier of the job.
jar_params	Named list. Parameters are used to invoke the main function of the main class specified in the Spark JAR task. If not specified upon run-now, it defaults to an empty list. jar_params cannot be specified in conjunction with notebook_params.

notebook_params	Named list. Parameters is passed to the notebook and is accessible through the <code>dbutils.widgets.get</code> function. If not specified upon run-now, the triggered run uses the job's base parameters.
python_params	Named list. Parameters are passed to Python file as command-line parameters. If specified upon run-now, it would overwrite the parameters specified in job setting.
spark_submit_params	Named list. Parameters are passed to spark-submit script as command-line parameters. If specified upon run-now, it would overwrite the parameters specified in job setting.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

- *_params parameters cannot exceed 10,000 bytes when serialized to JSON.
- jar_params and notebook_params are mutually exclusive.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#), [db_jobs_update\(\)](#)

db_jobs_update	<i>Partially Update A Job</i>
----------------	-------------------------------

Description

Partially Update A Job

Usage

```
db_jobs_update(
    job_id,
    fields_to_remove = list(),
    name = NULL,
    schedule = NULL,
    tasks = NULL,
    job_clusters = NULL,
    email_notifications = NULL,
    timeout_seconds = NULL,
```

```

    max_concurrent_runs = NULL,
    access_control_list = NULL,
    git_source = NULL,
    queue = NULL,
    host = db_host(),
    token = db_token(),
    perform_request = TRUE
)

```

Arguments

job_id	The canonical identifier of the job.
fields_to_remove	Remove top-level fields in the job settings. Removing nested fields is not supported. This field is optional. Must be a <code>list()</code> .
name	Name for the job.
schedule	Instance of <code>cron_schedule()</code> .
tasks	Task specifications to be executed by this job. Use <code>job_tasks()</code> .
job_clusters	Named list of job cluster specifications (using <code>new_cluster()</code>) that can be shared and reused by tasks of this job. Libraries cannot be declared in a shared job cluster. You must declare dependent libraries in task settings.
email_notifications	Instance of <code>email_notifications()</code> .
timeout_seconds	An optional timeout applied to each run of this job. The default behavior is to have no timeout.
max_concurrent_runs	Maximum allowed number of concurrent runs of the job. Set this value if you want to be able to execute multiple runs of the same job concurrently. This setting affects only new runs. This value cannot exceed 1000. Setting this value to 0 causes all new runs to be skipped. The default behavior is to allow only 1 concurrent run.
access_control_list	Instance of <code>access_control_request()</code> .
git_source	Optional specification for a remote repository containing the notebooks used by this job's notebook tasks. Instance of <code>git_source()</code> .
queue	If true, enable queueing for the job.
host	Databricks workspace URL, defaults to calling <code>db_host()</code> .
token	Databricks workspace token, defaults to calling <code>db_token()</code> .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Parameters which are shared with `db_jobs_create()` are optional, only specify those that are changing.

See Also

Other Jobs API: [db_jobs_create\(\)](#), [db_jobs_delete\(\)](#), [db_jobs_get\(\)](#), [db_jobs_list\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_run_now\(\)](#), [db_jobs_runs_cancel\(\)](#), [db_jobs_runs_delete\(\)](#), [db_jobs_runs_export\(\)](#), [db_jobs_runs_get\(\)](#), [db_jobs_runs_get_output\(\)](#), [db_jobs_runs_list\(\)](#), [db_jobs_runs_submit\(\)](#)

db_libs_all_cluster_statuses

Get Status of All Libraries on All Clusters

Description

Get Status of All Libraries on All Clusters

Usage

```
db_libs_all_cluster_statuses(  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

A status will be available for all libraries installed on clusters via the API or the libraries UI as well as libraries set to be installed on all clusters via the libraries UI.

If a library has been set to be installed on all clusters, `is_library_for_all_clusters` will be true, even if the library was also installed on this specific cluster.

See Also

Other Libraries API: [db_libs_cluster_status\(\)](#), [db_libs_install\(\)](#), [db_libs_uninstall\(\)](#)

`db_libs_cluster_status`*Get Status of Libraries on Cluster*

Description

Get Status of Libraries on Cluster

Usage

```
db_libs_cluster_status(  
    cluster_id,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

<code>cluster_id</code>	Unique identifier of a Databricks cluster.
<code>host</code>	Databricks workspace URL, defaults to calling db_host() .
<code>token</code>	Databricks workspace token, defaults to calling db_token() .
<code>perform_request</code>	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

[wait_for_lib_installs\(\)](#)

Other Libraries API: [db_libs_all_cluster_statuses\(\)](#), [db_libs_install\(\)](#), [db_libs_uninstall\(\)](#)

`db_libs_install`*Install Library on Cluster*

Description

Install Library on Cluster

Usage

```
db_libs_install(  
    cluster_id,  
    libraries,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

cluster_id	Unique identifier of a Databricks cluster.
libraries	An object created by libraries() and the appropriate lib_*() functions.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Installation is asynchronous - it completes in the background after the request.

This call will fail if the cluster is terminated. Installing a wheel library on a cluster is like running the pip command against the wheel file directly on driver and executors.

Installing a wheel library on a cluster is like running the pip command against the wheel file directly on driver and executors. All the dependencies specified in the library setup.py file are installed and this requires the library name to satisfy the wheel file name convention.

The installation on the executors happens only when a new task is launched. With Databricks Runtime 7.1 and below, the installation order of libraries is nondeterministic. For wheel libraries, you can ensure a deterministic installation order by creating a zip file with suffix .wheelhouse.zip that includes all the wheel files.

See Also

[lib_egg\(\)](#), [lib_cran\(\)](#), [lib_jar\(\)](#), [lib_maven\(\)](#), [lib_pypi\(\)](#), [lib_whl\(\)](#)

Other Libraries API: [db_libs_all_cluster_statuses\(\)](#), [db_libs_cluster_status\(\)](#), [db_libs_uninstall\(\)](#)

db_libs_uninstall	<i>Uninstall Library on Cluster</i>
-------------------	-------------------------------------

Description

Uninstall Library on Cluster

Usage

```
db_libs_uninstall(
  cluster_id,
  libraries,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

cluster_id	Unique identifier of a Databricks cluster.
libraries	An object created by libraries() and the appropriate <code>lib_*</code> () functions.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

The libraries aren't uninstalled until the cluster is restarted.

Uninstalling libraries that are not installed on the cluster has no impact but is not an error.

See Also

Other Libraries API: [db_libs_all_cluster_statuses\(\)](#), [db_libs_cluster_status\(\)](#), [db_libs_install\(\)](#)

db_mlflow_model_approve_transition_req

Approve Model Version Stage Transition Request

Description

Approve Model Version Stage Transition Request

Usage

```
db_mlflow_model_approve_transition_req(
  name,
  version,
  stage = c("None", "Staging", "Production", "Archived"),
  archive_existing_versions = TRUE,
  comment = NULL,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

name	Name of the model.
version	Version of the model.
stage	Target stage of the transition. Valid values are: None, Staging, Production, Archived.

db_mlflow_model_transition_req
<i>Make a Model Version Stage Transition Request</i>

Description

Make a Model Version Stage Transition Request

Usage

```
db_mlflow_model_transition_req(  
  name,  
  version,  
  stage = c("None", "Staging", "Production", "Archived"),  
  comment = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

name	Name of the model.
version	Version of the model.
stage	Target stage of the transition. Valid values are: None, Staging, Production, Archived.
comment	User-provided comment on the action.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Model Registry API: [db_mlflow_model_approve_transition_req\(\)](#), [db_mlflow_model_delete_transition_req\(\)](#), [db_mlflow_model_open_transition_reqs\(\)](#), [db_mlflow_model_reject_transition_req\(\)](#), [db_mlflow_model_transition_req\(\)](#), [db_mlflow_model_version_comment\(\)](#), [db_mlflow_model_version_comment_delete\(\)](#), [db_mlflow_model_version_delete\(\)](#), [db_mlflow_model_version_details\(\)](#), [db_mlflow_registered_model_details\(\)](#)

db_mlflow_model_transition_stage
<i>Transition a Model Version's Stage</i>

Description

Transition a Model Version's Stage

Usage

```
db_mlflow_model_transition_stage(  
  name,  
  version,  
  stage = c("None", "Staging", "Production", "Archived"),  
  archive_existing_versions = TRUE,  
  comment = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

name	Name of the model.
version	Version of the model.
stage	Target stage of the transition. Valid values are: None, Staging, Production, Archived.
archive_existing_versions	Boolean (Default: TRUE). Specifies whether to archive all current model versions in the target stage.
comment	User-provided comment on the action.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

This is a Databricks version of the MLflow endpoint that also accepts a comment associated with the transition to be recorded.

See Also

Other Model Registry API: `db_mlflow_model_approve_transition_req()`, `db_mlflow_model_delete_transition_req()`, `db_mlflow_model_open_transition_reqs()`, `db_mlflow_model_reject_transition_req()`, `db_mlflow_model_transition_reqs()`, `db_mlflow_model_version_comment()`, `db_mlflow_model_version_comment_delete()`, `db_mlflow_model_version_delete()`, `db_mlflow_registered_model_details()`

db_mlflow_model_version_comment

Make a Comment on a Model Version

Description

Make a Comment on a Model Version

Usage

```
db_mlflow_model_version_comment(
  name,
  version,
  comment,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

name	Name of the model.
version	Version of the model.
comment	User-provided comment on the action.
host	Databricks workspace URL, defaults to calling <code>db_host()</code> .
token	Databricks workspace token, defaults to calling <code>db_token()</code> .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Model Registry API: db_mlflow_model_approve_transition_req(), db_mlflow_model_delete_transition_req(), db_mlflow_model_open_transition_reqs(), db_mlflow_model_reject_transition_req(), db_mlflow_model_transition_stage(), db_mlflow_model_version_comment_delete(), db_mlflow_model_version_details(), db_mlflow_registered_model_details()

db_mlflow_model_version_comment_delete
<i>Delete a Comment on a Model Version</i>

Description

Delete a Comment on a Model Version

Usage

```
db_mlflow_model_version_comment_delete(  
  id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

id	Unique identifier of an activity.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Model Registry API: [db_mlflow_model_approve_transition_req\(\)](#), [db_mlflow_model_delete_transition_req\(\)](#), [db_mlflow_model_open_transition_reqs\(\)](#), [db_mlflow_model_reject_transition_req\(\)](#), [db_mlflow_model_transition_req\(\)](#), [db_mlflow_model_transition_stage\(\)](#), [db_mlflow_model_version_comment\(\)](#), [db_mlflow_model_version_comments\(\)](#), [db_mlflow_registered_model_details\(\)](#)

db_mlflow_model_version_comment_edit
<i>Edit a Comment on a Model Version</i>

Description

Edit a Comment on a Model Version

Usage

```
db_mlflow_model_version_comment_edit(
  id,
  comment,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

id	Unique identifier of an activity.
comment	User-provided comment on the action.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Model Registry API: [db_mlflow_model_approve_transition_req\(\)](#), [db_mlflow_model_delete_transition_req\(\)](#), [db_mlflow_model_open_transition_reqs\(\)](#), [db_mlflow_model_reject_transition_req\(\)](#), [db_mlflow_model_transition_stage\(\)](#), [db_mlflow_model_version_comment\(\)](#), [db_mlflow_model_version_comment_edit\(\)](#), [db_mlflow_registered_model_details\(\)](#)

db_mlflow_registered_model_details

Get Registered Model Details

Description

Get Registered Model Details

Usage

```
db_mlflow_registered_model_details(
  name,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

name	Name of the model.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Model Registry API: [db_mlflow_model_approve_transition_req\(\)](#), [db_mlflow_model_delete_transition_req\(\)](#), [db_mlflow_model_open_transition_reqs\(\)](#), [db_mlflow_model_reject_transition_req\(\)](#), [db_mlflow_model_transition_stage\(\)](#), [db_mlflow_model_version_comment\(\)](#), [db_mlflow_model_version_comment_edit\(\)](#)

db_perform_request	<i>Perform Databricks API Request</i>
--------------------	---------------------------------------

Description

Perform Databricks API Request

Usage

db_perform_request(req, ...)

Arguments

req	{http2} request.
...	Parameters passed to http2::resp_body_json()

See Also

Other Request Helpers: [db_req_error_body\(\)](#), [db_request\(\)](#), [db_request_json\(\)](#)

db_query_create	Create a SQL Query
-----------------	--------------------

Description

Create a SQL Query

Usage

```
db_query_create(  
  warehouse_id,  
  query_text,  
  display_name,  
  description = NULL,  
  catalog = NULL,  
  schema = NULL,  
  parent_path = NULL,  
  run_as_mode = c("OWNER", "VIEWER"),  
  apply_auto_limit = FALSE,  
  auto_resolve_display_name = TRUE,  
  tags = list(),  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

warehouse_id	description
query_text	Text of the query to be run.
display_name	Display name of the query that appears in list views, widget headings, and on the query page.
description	General description that conveys additional information about this query such as usage notes.
catalog	Name of the catalog where this query will be executed.
schema	Name of the schema where this query will be executed.
parent_path	Workspace path of the workspace folder containing the object.
run_as_mode	Sets the "Run as" role for the object.
apply_auto_limit	Whether to apply a 1000 row limit to the query result.
auto_resolve_display_name	Automatically resolve query display name conflicts. Otherwise, fail the request if the query's display name conflicts with an existing query's display name.

tags	Named list that describes the warehouse. Databricks tags all warehouse resources with these tags.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other SQL Queries API: [db_query_delete\(\)](#), [db_query_get\(\)](#), [db_query_list\(\)](#), [db_query_update\(\)](#)

db_query_delete	<i>Delete a SQL Query</i>
-----------------	---------------------------

Description

Delete a SQL Query

Usage

```
db_query_delete(  
  id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

id	String, ID for the query.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Moves a query to the trash. Trashed queries immediately disappear from searches and list views, and cannot be used for alerts. You can restore a trashed query through the UI. A trashed query is permanently deleted after 30 days.

See Also

Other SQL Queries API: [db_query_create\(\)](#), [db_query_get\(\)](#), [db_query_list\(\)](#), [db_query_update\(\)](#)

db_query_get	<i>Get a SQL Query</i>
--------------	------------------------

Description

Returns the repo with the given repo ID.

Usage

```
db_query_get(id, host = db_host(), token = db_token(), perform_request = TRUE)
```

Arguments

id	String, ID for the query.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other SQL Queries API: [db_query_create\(\)](#), [db_query_delete\(\)](#), [db_query_list\(\)](#), [db_query_update\(\)](#)

db_query_list	<i>List SQL Queries</i>
---------------	-------------------------

Description

List SQL Queries

Usage

```
db_query_list(  
  page_size = 20,  
  page_token = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

page_size	Integer, number of results to return for each request.
page_token	Token used to get the next page of results. If not specified, returns the first page of results as well as a next page token if there are more results.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Gets a list of queries accessible to the user, ordered by creation time. Warning: Calling this API concurrently 10 or more times could result in throttling, service degradation, or a temporary ban.

See Also

Other SQL Queries API: [db_query_create\(\)](#), [db_query_delete\(\)](#), [db_query_get\(\)](#), [db_query_update\(\)](#)

db_query_update	<i>Update a SQL Query</i>
-----------------	---------------------------

Description

Update a SQL Query

Usage

```
db_query_update(  
  id,  
  warehouse_id = NULL,  
  query_text = NULL,  
  display_name = NULL,  
  description = NULL,  
  catalog = NULL,  
  schema = NULL,  
  parent_path = NULL,  
  run_as_mode = NULL,  
  apply_auto_limit = NULL,  
  auto_resolve_display_name = NULL,  
  tags = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

id	Query id
warehouse_id	description
query_text	Text of the query to be run.
display_name	Display name of the query that appears in list views, widget headings, and on the query page.
description	General description that conveys additional information about this query such as usage notes.
catalog	Name of the catalog where this query will be executed.
schema	Name of the schema where this query will be executed.
parent_path	Workspace path of the workspace folder containing the object.
run_as_mode	Sets the "Run as" role for the object.
apply_auto_limit	Whether to apply a 1000 row limit to the query result.
auto_resolve_display_name	Automatically resolve query display name conflicts. Otherwise, fail the request if the query's display name conflicts with an existing query's display name.
tags	Named list that describes the warehouse. Databricks tags all warehouse resources with these tags.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other SQL Queries API: [db_query_create\(\)](#), [db_query_delete\(\)](#), [db_query_get\(\)](#), [db_query_list\(\)](#)

db_read_netrc

Read .netrc File

Description

Read .netrc File

Usage

```
db_read_netrc(path = "~/ .netrc")
```

Arguments

path path of .netrc file, default is ~/ .netrc.

Value

named list of `.netrc` entries

See Also

Other Databricks Authentication Helpers: [db_host\(\)](#), [db_token\(\)](#), [db_wsuid\(\)](#)

`db_repl`*Remote REPL to Databricks Cluster*

Description

Remote REPL to Databricks Cluster

Usage

```
db_repl(  
  cluster_id,  
  language = c("r", "py", "scala", "sql", "sh"),  
  host = db_host(),  
  token = db_token()  
)
```

Arguments

<code>cluster_id</code>	Cluster Id to create REPL context against.
<code>language</code>	for REPL ('r', 'py', 'scala', 'sql', 'sh') are supported.
<code>host</code>	Databricks workspace URL, defaults to calling db_host() .
<code>token</code>	Databricks workspace token, defaults to calling db_token() .

Details

`db_repl()` will take over the existing console and allow execution of commands against a Databricks cluster. For RStudio users there are Addins which can be bound to keyboard shortcuts to improve usability.

db_repo_create	Create Repo
----------------	-------------

Description

Creates a repo in the workspace and links it to the remote Git repo specified.

Usage

```
db_repo_create(  
  url,  
  provider,  
  path,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

url	URL of the Git repository to be linked.
provider	Git provider. This field is case-insensitive. The available Git providers are <code>github</code> , <code>bitbucketCloud</code> , <code>gitLab</code> , <code>azureDevOpsServices</code> , <code>githubEnterprise</code> , <code>bitbucketServer</code> and <code>gitLabEnterpriseEdition</code> .
path	Desired path for the repo in the workspace. Must be in the format <code>/Repos/{folder}/{repo-name}</code> .
host	Databricks workspace URL, defaults to calling <code>db_host()</code> .
token	Databricks workspace token, defaults to calling <code>db_token()</code> .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Repos API: `db_repo_delete()`, `db_repo_get()`, `db_repo_get_all()`, `db_repo_update()`

db_repo_delete	Delete Repo
----------------	-------------

Description

Deletes the specified repo

Usage

```
db_repo_delete(  
  repo_id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

- repo_id The ID for the corresponding repo to access.
- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

See Also

Other Repos API: [db_repo_create\(\)](#), [db_repo_get\(\)](#), [db_repo_get_all\(\)](#), [db_repo_update\(\)](#)

db_repo_get	<i>Get Repo</i>
-------------	-----------------

Description

Returns the repo with the given repo ID.

Usage

```
db_repo_get(  
  repo_id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

- repo_id The ID for the corresponding repo to access.
- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

See Also

Other Repos API: [db_repo_create\(\)](#), [db_repo_delete\(\)](#), [db_repo_get_all\(\)](#), [db_repo_update\(\)](#)

db_repo_get_all	<i>Get All Repos</i>
-----------------	----------------------

Description

Get All Repos

Usage

```
db_repo_get_all(  
    path_prefix,  
    next_page_token = NULL,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

path_prefix	Filters repos that have paths starting with the given path prefix.
next_page_token	Token used to get the next page of results. If not specified, returns the first page of results as well as a next page token if there are more results.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Returns repos that the calling user has Manage permissions on. Results are paginated with each page containing twenty repos.

See Also

Other Repos API: [db_repo_create\(\)](#), [db_repo_delete\(\)](#), [db_repo_get\(\)](#), [db_repo_update\(\)](#)

db_repo_update	<i>Update Repo</i>
----------------	--------------------

Description

Updates the repo to the given branch or tag.

Usage

```
db_repo_update(  
    repo_id,  
    branch = NULL,  
    tag = NULL,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

repo_id	The ID for the corresponding repo to access.
branch	Branch that the local version of the repo is checked out to.
tag	Tag that the local version of the repo is checked out to.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Specify either branch or tag, not both.

Updating the repo to a tag puts the repo in a detached HEAD state. Before committing new changes, you must update the repo to a branch instead of the detached HEAD.

See Also

Other Repos API: [db_repo_create\(\)](#), [db_repo_delete\(\)](#), [db_repo_get\(\)](#), [db_repo_get_all\(\)](#)

db_request	<i>Databricks Request Helper</i>
------------	----------------------------------

Description

Databricks Request Helper

Usage

```
db_request(endpoint, method, version = NULL, body = NULL, host, token, ...)
```

Arguments

endpoint	Databricks REST API Endpoint
method	Passed to http2::req_method()
version	String, API version of endpoint. E.g. 2.0.
body	Named list, passed to http2::req_body_json() .
host	Databricks host, defaults to db_host() .
token	Databricks token, defaults to db_token() .
...	Parameters passed on to http2::req_body_json() when body is not NULL.

Value

request

See Also

Other Request Helpers: [db_perform_request\(\)](#), [db_req_error_body\(\)](#), [db_request_json\(\)](#)

db_request_json	<i>Generate Request JSON</i>
-----------------	------------------------------

Description

Generate Request JSON

Usage

```
db_request_json(req)
```

Arguments

req	a http2 request, ideally from db_request() .
-----	--

Value

JSON string

See Also

Other Request Helpers: [db_perform_request\(\)](#), [db_req_error_body\(\)](#), [db_request\(\)](#)

db_req_error_body	<i>Propagate Databricks API Errors</i>
-------------------	--

Description

Propagate Databricks API Errors

Usage

db_req_error_body(resp)

Arguments

resp Object with class http2_response.

See Also

Other Request Helpers: [db_perform_request\(\)](#), [db_request\(\)](#), [db_request_json\(\)](#)

db_secrets_delete	<i>Delete Secret in Secret Scope</i>
-------------------	--------------------------------------

Description

Delete Secret in Secret Scope

Usage

```
db_secrets_delete(  
  scope,  
  key,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

scope	Name of the scope that contains the secret to delete.
key	Name of the secret to delete.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

- You must have WRITE or MANAGE permission on the secret scope.
- Throws RESOURCE_DOES_NOT_EXIST if no such secret scope or secret exists.
 - Throws PERMISSION_DENIED if you do not have permission to make this API call.

See Also

Other Secrets API: [db_secrets_list\(\)](#), [db_secrets_put\(\)](#), [db_secrets_scope_acl_delete\(\)](#), [db_secrets_scope_acl_get\(\)](#), [db_secrets_scope_acl_list\(\)](#), [db_secrets_scope_acl_put\(\)](#), [db_secrets_scope_create\(\)](#), [db_secrets_scope_delete\(\)](#), [db_secrets_scope_list_all\(\)](#)

db_secrets_list	<i>List Secrets in Secret Scope</i>
-----------------	-------------------------------------

Description

List Secrets in Secret Scope

Usage

```
db_secrets_list(  
  scope,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

scope	Name of the scope whose secrets you want to list
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

This is a metadata-only operation; you cannot retrieve secret data using this API. You must have READ permission to make this call.

The last_updated_timestamp returned is in milliseconds since epoch.

- Throws RESOURCE_DOES_NOT_EXIST if no such secret scope exists.
- Throws PERMISSION_DENIED if you do not have permission to make this API call.

See Also

Other Secrets API: [db_secrets_delete\(\)](#), [db_secrets_put\(\)](#), [db_secrets_scope_acl_delete\(\)](#), [db_secrets_scope_acl_get\(\)](#), [db_secrets_scope_acl_list\(\)](#), [db_secrets_scope_acl_put\(\)](#), [db_secrets_scope_create\(\)](#), [db_secrets_scope_delete\(\)](#), [db_secrets_scope_list_all\(\)](#)

db_secrets_put	<i>Put Secret in Secret Scope</i>
----------------	-----------------------------------

Description

Insert a secret under the provided scope with the given name.

Usage

```
db_secrets_put(  
  scope,  
  key,  
  value,  
  as_bytes = FALSE,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

scope	Name of the scope to which the secret will be associated with
key	Unique name to identify the secret.
value	Contents of the secret to store, must be a string.
as_bytes	Boolean (default: FALSE). Determines if value is stored as bytes.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

If a secret already exists with the same name, this command overwrites the existing secret's value.

The server encrypts the secret using the secret scope's encryption settings before storing it. You must have WRITE or MANAGE permission on the secret scope.

The secret key must consist of alphanumeric characters, dashes, underscores, and periods, and cannot exceed 128 characters. The maximum allowed secret value size is 128 KB. The maximum number of secrets in a given scope is 1000.

You can read a secret value only from within a command on a cluster (for example, through a notebook); there is no API to read a secret value outside of a cluster. The permission applied is based on who is invoking the command and you must have at least READ permission.

The input fields `string_value` or `bytes_value` specify the type of the secret, which will determine the value returned when the secret value is requested. Exactly one must be specified, this function interfaces these parameters via `as_bytes` which defaults to FALSE.

- Throws RESOURCE_DOES_NOT_EXIST if no such secret scope exists.
- Throws RESOURCE_LIMIT_EXCEEDED if maximum number of secrets in scope is exceeded.
- Throws INVALID_PARAMETER_VALUE if the key name or value length is invalid.
- Throws PERMISSION_DENIED if the user does not have permission to make this API call.

See Also

Other Secrets API: [db_secrets_delete\(\)](#), [db_secrets_list\(\)](#), [db_secrets_scope_acl_delete\(\)](#), [db_secrets_scope_acl_get\(\)](#), [db_secrets_scope_acl_list\(\)](#), [db_secrets_scope_acl_put\(\)](#), [db_secrets_scope_create\(\)](#), [db_secrets_scope_delete\(\)](#), [db_secrets_scope_list_all\(\)](#)

db_secrets_scope_acl_delete
Delete Secret Scope ACL

Description

Delete the given ACL on the given scope.

Usage

```
db_secrets_scope_acl_delete(
  scope,
  principal,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

scope	Name of the scope to remove permissions.
principal	Principal to remove an existing ACL.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

You must have the MANAGE permission to invoke this API.

- Throws RESOURCE_DOES_NOT_EXIST if no such secret scope, principal, or ACL exists.
- Throws PERMISSION_DENIED if you do not have permission to make this API call.

See Also

Other Secrets API: [db_secrets_delete\(\)](#), [db_secrets_list\(\)](#), [db_secrets_put\(\)](#), [db_secrets_scope_acl_get\(\)](#), [db_secrets_scope_acl_list\(\)](#), [db_secrets_scope_acl_put\(\)](#), [db_secrets_scope_create\(\)](#), [db_secrets_scope_delete\(\)](#), [db_secrets_scope_list_all\(\)](#)

db_secrets_scope_acl_get
Get Secret Scope ACL

Description

Get Secret Scope ACL

Usage

```
db_secrets_scope_acl_get(  
  scope,  
  principal,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

scope	Name of the scope to fetch ACL information from.
principal	Principal to fetch ACL information from.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

You must have the MANAGE permission to invoke this

- Throws RESOURCE_DOES_NOT_EXIST if no such secret scope exists.
- Throws PERMISSION_DENIED if you do not have permission to make this API call.

See Also

Other Secrets API: [db_secrets_delete\(\)](#), [db_secrets_list\(\)](#), [db_secrets_put\(\)](#), [db_secrets_scope_acl_delete\(\)](#), [db_secrets_scope_acl_list\(\)](#), [db_secrets_scope_acl_put\(\)](#), [db_secrets_scope_create\(\)](#), [db_secrets_scope_delete\(\)](#), [db_secrets_scope_list_all\(\)](#)

db_secrets_scope_acl_list

List Secret Scope ACL's

Description

List Secret Scope ACL's

Usage

```
db_secrets_scope_acl_list(
  scope,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

scope	Name of the scope to fetch ACL information from.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

You must have the `MANAGE` permission to invoke this API.

- Throws `RESOURCE_DOES_NOT_EXIST` if no such secret scope exists.
- Throws `PERMISSION_DENIED` if you do not have permission to make this API call.

See Also

Other Secrets API: [db_secrets_delete\(\)](#), [db_secrets_list\(\)](#), [db_secrets_put\(\)](#), [db_secrets_scope_acl_delete\(\)](#), [db_secrets_scope_acl_get\(\)](#), [db_secrets_scope_acl_put\(\)](#), [db_secrets_scope_create\(\)](#), [db_secrets_scope_delete\(\)](#), [db_secrets_scope_list_all\(\)](#)

db_secrets_scope_acl_put
<i>Put ACL on Secret Scope</i>

Description

Put ACL on Secret Scope

Usage

```
db_secrets_scope_acl_put(  
  scope,  
  principal,  
  permission = c("READ", "WRITE", "MANAGE"),  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

scope	Name of the scope to apply permissions.
principal	Principal to which the permission is applied
permission	Permission level applied to the principal. One of <code>READ</code> , <code>WRITE</code> , <code>MANAGE</code> .
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If <code>TRUE</code> (default) the request is performed, if <code>FALSE</code> the http2 request is returned <i>without</i> being performed.

Details

Create or overwrite the ACL associated with the given principal (user or group) on the specified scope point. In general, a user or group will use the most powerful permission available to them, and permissions are ordered as follows:

- **MANAGE** - Allowed to change ACLs, and read and write to this secret scope.
- **WRITE** - Allowed to read and write to this secret scope.
- **READ** - Allowed to read this secret scope and list what secrets are available.

You must have the **MANAGE** permission to invoke this API.

The principal is a user or group name corresponding to an existing Databricks principal to be granted or revoked access.

- Throws **RESOURCE_DOES_NOT_EXIST** if no such secret scope exists.
- Throws **RESOURCE_ALREADY_EXISTS** if a permission for the principal already exists.
- Throws **INVALID_PARAMETER_VALUE** if the permission is invalid.
- Throws **PERMISSION_DENIED** if you do not have permission to make this API call.

See Also

Other Secrets API: [db_secrets_delete\(\)](#), [db_secrets_list\(\)](#), [db_secrets_put\(\)](#), [db_secrets_scope_acl_delete\(\)](#), [db_secrets_scope_acl_get\(\)](#), [db_secrets_scope_acl_list\(\)](#), [db_secrets_scope_create\(\)](#), [db_secrets_scope_delete\(\)](#), [db_secrets_scope_list_all\(\)](#)

db_secrets_scope_create

Create Secret Scope

Description

Create Secret Scope

Usage

```
db_secrets_scope_create(  
  scope,  
  initial_manage_principal = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

scope	Scope name requested by the user. Scope names are unique.
initial_manage_principal	The principal that is initially granted MANAGE permission to the created scope.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Create a Databricks-backed secret scope in which secrets are stored in Databricks-managed storage and encrypted with a cloud-based specific encryption key.

The scope name:

- Must be unique within a workspace.
- Must consist of alphanumeric characters, dashes, underscores, and periods, and may not exceed 128 characters.

The names are considered non-sensitive and are readable by all users in the workspace. A workspace is limited to a maximum of 100 secret scopes.

If `initial_manage_principal` is specified, the initial ACL applied to the scope is applied to the supplied principal (user or group) with MANAGE permissions. The only supported principal for this option is the group users, which contains all users in the workspace. If `initial_manage_principal` is not specified, the initial ACL with MANAGE permission applied to the scope is assigned to the API request issuer's user identity.

- Throws `RESOURCE_ALREADY_EXISTS` if a scope with the given name already exists.
- Throws `RESOURCE_LIMIT_EXCEEDED` if maximum number of scopes in the workspace is exceeded.
- Throws `INVALID_PARAMETER_VALUE` if the scope name is invalid.

See Also

Other Secrets API: [db_secrets_delete\(\)](#), [db_secrets_list\(\)](#), [db_secrets_put\(\)](#), [db_secrets_scope_acl_delete\(\)](#), [db_secrets_scope_acl_get\(\)](#), [db_secrets_scope_acl_list\(\)](#), [db_secrets_scope_acl_put\(\)](#), [db_secrets_scope_delete\(\)](#), [db_secrets_scope_list_all\(\)](#)

`db_secrets_scope_delete`*Delete Secret Scope*

Description

Delete Secret Scope

Usage

```
db_secrets_scope_delete(  
    scope,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

<code>scope</code>	Name of the scope to delete.
<code>host</code>	Databricks workspace URL, defaults to calling db_host() .
<code>token</code>	Databricks workspace token, defaults to calling db_token() .
<code>perform_request</code>	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

- Throws RESOURCE_DOES_NOT_EXIST if the scope does not exist.
- Throws PERMISSION_DENIED if the user does not have permission to make this API call.

See Also

Other Secrets API: [db_secrets_delete\(\)](#), [db_secrets_list\(\)](#), [db_secrets_put\(\)](#), [db_secrets_scope_acl_delete\(\)](#), [db_secrets_scope_acl_get\(\)](#), [db_secrets_scope_acl_list\(\)](#), [db_secrets_scope_acl_put\(\)](#), [db_secrets_scope_create\(\)](#), [db_secrets_scope_list_all\(\)](#)

db_secrets_scope_list_all	<i>List Secret Scopes</i>
---------------------------	---------------------------

Description

List Secret Scopes

Usage

```
db_secrets_scope_list_all(  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

- Throws PERMISSION_DENIED if you do not have permission to make this API call.

See Also

Other Secrets API: [db_secrets_delete\(\)](#), [db_secrets_list\(\)](#), [db_secrets_put\(\)](#), [db_secrets_scope_acl_delete\(\)](#), [db_secrets_scope_acl_get\(\)](#), [db_secrets_scope_acl_list\(\)](#), [db_secrets_scope_acl_put\(\)](#), [db_secrets_scope_create\(\)](#), [db_secrets_scope_delete\(\)](#)

db_sql_exec_cancel	<i>Cancel SQL Query</i>
--------------------	-------------------------

Description

Cancel SQL Query

Usage

```
db_sql_exec_cancel(  
    statement_id,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

statement_id	String, query execution statement_id
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Requests that an executing statement be canceled. Callers must poll for status to see the terminal state.

[Read more on Databricks API docs](#)

See Also

Other SQL Execution APIs: [db_sql_exec_query\(\)](#), [db_sql_exec_result\(\)](#), [db_sql_exec_status\(\)](#)

db_sql_exec_poll_for_success

Poll a Query Until Successful

Description

Poll a Query Until Successful

Usage

```
db_sql_exec_poll_for_success(statement_id, interval = 1)
```

Arguments

statement_id	String, query execution statement_id
interval	Number of seconds between status checks.

db_sql_exec_query	<i>Execute SQL Query</i>
-------------------	--------------------------

Description

Execute SQL Query

Usage

```
db_sql_exec_query(  
    statement,  
    warehouse_id,  
    catalog = NULL,  
    schema = NULL,  
    parameters = NULL,  
    row_limit = NULL,  
    byte_limit = NULL,  
    disposition = c("INLINE", "EXTERNAL_LINKS"),  
    format = c("JSON_ARRAY", "ARROW_STREAM", "CSV"),  
    wait_timeout = "10s",  
    on_wait_timeout = c("CONTINUE", "CANCEL"),  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

statement	String, the SQL statement to execute. The statement can optionally be parameterized, see parameters.
warehouse_id	String, ID of warehouse upon which to execute a statement.
catalog	String, sets default catalog for statement execution, similar to USE CATALOG in SQL.
schema	String, sets default schema for statement execution, similar to USE SCHEMA in SQL.
parameters	List of Named Lists, parameters to pass into a SQL statement containing parameter markers. A parameter consists of a name, a value, and <i>optionally</i> a type. To represent a NULL value, the value field may be omitted or set to NULL explicitly. See docs for more details.
row_limit	Integer, applies the given row limit to the statement's result set, but unlike the LIMIT clause in SQL, it also sets the truncated field in the response to indicate whether the result was trimmed due to the limit or not.

byte_limit	Integer, applies the given byte limit to the statement's result size. Byte counts are based on internal data representations and might not match the final size in the requested format. If the result was truncated due to the byte limit, then truncated in the response is set to true. When using EXTERNAL_LINKS disposition, a default byte_limit of 100 GiB is applied if byte_limit is not explicitly set.
disposition	One of "INLINE" (default) or "EXTERNAL_LINKS". See docs for details.
format	One of "JSON_ARRAY" (default), "ARROW_STREAM", or "CSV". See docs for details.
wait_timeout	String, default is "10s". The time in seconds the call will wait for the statement's result set as Ns, where N can be set to 0 or to a value between 5 and 50. When set to 0s, the statement will execute in asynchronous mode and the call will not wait for the execution to finish. In this case, the call returns directly with PENDING state and a statement ID which can be used for polling with db_sql_exec_status() . When set between 5 and 50 seconds, the call will behave synchronously up to this timeout and wait for the statement execution to finish. If the execution finishes within this time, the call returns immediately with a manifest and result data (or a FAILED state in case of an execution error). If the statement takes longer to execute, on_wait_timeout determines what should happen after the timeout is reached.
on_wait_timeout	One of "CONTINUE" (default) or "CANCEL". When wait_timeout > 0s, the call will block up to the specified time. If the statement execution doesn't finish within this time, on_wait_timeout determines whether the execution should continue or be canceled. When set to CONTINUE, the statement execution continues asynchronously and the call returns a statement ID which can be used for polling with db_sql_exec_status() . When set to CANCEL, the statement execution is canceled and the call returns with a CANCELED state.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Refer to the [web documentation](#) for detailed material on interaction of the various parameters and general recommendations

See Also

Other SQL Execution APIs: [db_sql_exec_cancel\(\)](#), [db_sql_exec_result\(\)](#), [db_sql_exec_status\(\)](#)

db_sql_exec_result	<i>Get SQL Query Results</i>
--------------------	------------------------------

Description

Get SQL Query Results

Usage

```
db_sql_exec_result(  
    statement_id,  
    chunk_index,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

statement_id	String, query execution statement_id
chunk_index	Integer, chunk index to fetch result. Starts from 0.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

After the statement execution has SUCCEEDED, this request can be used to fetch any chunk by index.

Whereas the first chunk with chunk_index = 0 is typically fetched with [db_sql_exec_result\(\)](#) or [db_sql_exec_status\(\)](#), this request can be used to fetch subsequent chunks

The response structure is identical to the nested result element described in the [db_sql_exec_result\(\)](#) request, and similarly includes the next_chunk_index and next_chunk_internal_link fields for simple iteration through the result set.

[Read more on Databricks API docs](#)

See Also

Other SQL Execution APIs: [db_sql_exec_cancel\(\)](#), [db_sql_exec_query\(\)](#), [db_sql_exec_status\(\)](#)

db_sql_exec_status	<i>Get SQL Query Status</i>
--------------------	-----------------------------

Description

Get SQL Query Status

Usage

```
db_sql_exec_status(  
  statement_id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

statement_id	String, query execution statement_id
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

This request can be used to poll for the statement's status. When the status.state field is SUCCEEDED it will also return the result manifest and the first chunk of the result data.

When the statement is in the terminal states CANCELED, CLOSED or FAILED, it returns HTTP 200 with the state set.

After at least 12 hours in terminal state, the statement is removed from the warehouse and further calls will receive an HTTP 404 response.

[Read more on Databricks API docs](#)

See Also

Other SQL Execution APIs: [db_sql_exec_cancel\(\)](#), [db_sql_exec_query\(\)](#), [db_sql_exec_result\(\)](#)

db_sql_global_warehouse_get
Get Global Warehouse Config

Description

Get Global Warehouse Config

Usage

```
db_sql_global_warehouse_get(  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Warehouse API: [db_sql_warehouse_create\(\)](#), [db_sql_warehouse_delete\(\)](#), [db_sql_warehouse_edit\(\)](#), [db_sql_warehouse_get\(\)](#), [db_sql_warehouse_list\(\)](#), [db_sql_warehouse_start\(\)](#), [db_sql_warehouse_stop\(\)](#), [get_and_start_warehouse\(\)](#)

db_sql_query	<i>Execute query with SQL Warehouse</i>
--------------	---

Description

Execute query with SQL Warehouse

Usage

```
db_sql_query(  
    warehouse_id,  
    statement,  
    schema = NULL,  
    catalog = NULL,  
    parameters = NULL,
```

```

    row_limit = NULL,
    byte_limit = NULL,
    return_arrow = FALSE,
    max_active_connections = 30,
    host = db_host(),
    token = db_token()
)

```

Arguments

warehouse_id	String, ID of warehouse upon which to execute a statement.
statement	String, the SQL statement to execute. The statement can optionally be parameterized, see parameters.
schema	String, sets default schema for statement execution, similar to <code>USE SCHEMA</code> in SQL.
catalog	String, sets default catalog for statement execution, similar to <code>USE CATALOG</code> in SQL.
parameters	List of Named Lists, parameters to pass into a SQL statement containing parameter markers. A parameter consists of a name, a value, and <i>optionally</i> a type. To represent a NULL value, the value field may be omitted or set to NULL explicitly. See docs for more details.
row_limit	Integer, applies the given row limit to the statement's result set, but unlike the LIMIT clause in SQL, it also sets the truncated field in the response to indicate whether the result was trimmed due to the limit or not.
byte_limit	Integer, applies the given byte limit to the statement's result size. Byte counts are based on internal data representations and might not match the final size in the requested format. If the result was truncated due to the byte limit, then truncated in the response is set to true. When using EXTERNAL_LINKS disposition, a default byte_limit of 100 GiB is applied if byte_limit is not explicitly set.
return_arrow	Boolean, determine if result is tibble::tibble or arrow::Table .
max_active_connections	Integer to decide on concurrent downloads.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .

Value

[tibble::tibble](#) or [arrow::Table](#).

 db_sql_query_history *List Warehouse Query History*

Description

For more details refer to the [query history documentation](#). This function elevates the sub-components of `filter_by` parameter to the R function directly.

Usage

```
db_sql_query_history(
  statuses = NULL,
  user_ids = NULL,
  endpoint_ids = NULL,
  start_time_ms = NULL,
  end_time_ms = NULL,
  max_results = 100,
  page_token = NULL,
  include_metrics = FALSE,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

<code>statuses</code>	Allows filtering by query status. Possible values are: QUEUED, RUNNING, CANCELED, FAILED, FINISHED. Multiple permitted.
<code>user_ids</code>	Allows filtering by user ID's. Multiple permitted.
<code>endpoint_ids</code>	Allows filtering by endpoint ID's. Multiple permitted.
<code>start_time_ms</code>	Integer, limit results to queries that started after this time.
<code>end_time_ms</code>	Integer, limit results to queries that started before this time.
<code>max_results</code>	Limit the number of results returned in one page. Default is 100.
<code>page_token</code>	Opaque token used to get the next page of results. Optional.
<code>include_metrics</code>	Whether to include metrics about query execution.
<code>host</code>	Databricks workspace URL, defaults to calling <code>db_host()</code> .
<code>token</code>	Databricks workspace token, defaults to calling <code>db_token()</code> .
<code>perform_request</code>	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

By default the filter parameters `statuses`, `user_ids`, and `endpoints_ids` are NULL.

db_sql_warehouse_create
Create Warehouse

Description

Create Warehouse

Usage

```
db_sql_warehouse_create(
  name,
  cluster_size,
  min_num_clusters = 1,
  max_num_clusters = 1,
  auto_stop_mins = 30,
  tags = list(),
  spot_instance_policy = c("COST_OPTIMIZED", "RELIABILITY_OPTIMIZED"),
  enable_photon = TRUE,
  warehouse_type = c("CLASSIC", "PRO"),
  enable_serverless_compute = NULL,
  disable_uc = FALSE,
  channel = c("CHANNEL_NAME_CURRENT", "CHANNEL_NAME_PREVIEW"),
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

<code>name</code>	Name of the SQL warehouse. Must be unique.
<code>cluster_size</code>	Size of the clusters allocated to the warehouse. One of 2X-Small, X-Small, Small, Medium, Large, X-Large, 2X-Large, 3X-Large, 4X-Large.
<code>min_num_clusters</code>	Minimum number of clusters available when a SQL warehouse is running. The default is 1.
<code>max_num_clusters</code>	Maximum number of clusters available when a SQL warehouse is running. If multi-cluster load balancing is not enabled, this is limited to 1.
<code>auto_stop_mins</code>	Time in minutes until an idle SQL warehouse terminates all clusters and stops. Defaults to 30. For Serverless SQL warehouses (<code>enable_serverless_compute = TRUE</code>), set this to 10.
<code>tags</code>	Named list that describes the warehouse. Databricks tags all warehouse resources with these tags.

spot_instance_policy	The spot policy to use for allocating instances to clusters. This field is not used if the SQL warehouse is a Serverless SQL warehouse.
enable_photon	Whether queries are executed on a native vectorized engine that speeds up query execution. The default is TRUE.
warehouse_type	Either "CLASSIC" (default), or "PRO"
enable_serverless_compute	Whether this SQL warehouse is a Serverless warehouse. To use a Serverless SQL warehouse, you must enable Serverless SQL warehouses for the workspace. If Serverless SQL warehouses are disabled for the workspace, the default is FALSE. If Serverless SQL warehouses are enabled for the workspace, the default is TRUE.
disable_uc	If TRUE will use Hive Metastore (HMS). If FALSE (default), then it will be enabled for Unity Catalog (UC).
channel	Whether to use the current SQL warehouse compute version or the preview version. Databricks does not recommend using preview versions for production workloads. The default is CHANNEL_NAME_CURRENT.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Warehouse API: [db_sql_global_warehouse_get\(\)](#), [db_sql_warehouse_delete\(\)](#), [db_sql_warehouse_edit\(\)](#), [db_sql_warehouse_get\(\)](#), [db_sql_warehouse_list\(\)](#), [db_sql_warehouse_start\(\)](#), [db_sql_warehouse_stop\(\)](#), [get_and_start_warehouse\(\)](#)

db_sql_warehouse_delete

Delete Warehouse

Description

Delete Warehouse

Usage

```
db_sql_warehouse_delete(
  id,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

id	ID of the SQL warehouse.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Warehouse API: [db_sql_global_warehouse_get\(\)](#), [db_sql_warehouse_create\(\)](#), [db_sql_warehouse_edit\(\)](#), [db_sql_warehouse_get\(\)](#), [db_sql_warehouse_list\(\)](#), [db_sql_warehouse_start\(\)](#), [db_sql_warehouse_stop\(\)](#), [get_and_start_warehouse\(\)](#)

db_sql_warehouse_edit *Edit Warehouse*

Description

Edit Warehouse

Usage

```
db_sql_warehouse_edit(
  id,
  name = NULL,
  cluster_size = NULL,
  min_num_clusters = NULL,
  max_num_clusters = NULL,
  auto_stop_mins = NULL,
  tags = NULL,
  spot_instance_policy = NULL,
  enable_photon = NULL,
  warehouse_type = NULL,
  enable_serverless_compute = NULL,
  channel = NULL,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

id	ID of the SQL warehouse.
name	Name of the SQL warehouse. Must be unique.

cluster_size	Size of the clusters allocated to the warehouse. One of 2X-Small, X-Small, Small, Medium, Large, X-Large, 2X-Large, 3X-Large, 4X-Large.
min_num_clusters	Minimum number of clusters available when a SQL warehouse is running. The default is 1.
max_num_clusters	Maximum number of clusters available when a SQL warehouse is running. If multi-cluster load balancing is not enabled, this is limited to 1.
auto_stop_mins	Time in minutes until an idle SQL warehouse terminates all clusters and stops. Defaults to 30. For Serverless SQL warehouses (enable_serverless_compute = TRUE), set this to 10.
tags	Named list that describes the warehouse. Databricks tags all warehouse resources with these tags.
spot_instance_policy	The spot policy to use for allocating instances to clusters. This field is not used if the SQL warehouse is a Serverless SQL warehouse.
enable_photon	Whether queries are executed on a native vectorized engine that speeds up query execution. The default is TRUE.
warehouse_type	Either "CLASSIC" (default), or "PRO"
enable_serverless_compute	Whether this SQL warehouse is a Serverless warehouse. To use a Serverless SQL warehouse, you must enable Serverless SQL warehouses for the workspace. If Serverless SQL warehouses are disabled for the workspace, the default is FALSE. If Serverless SQL warehouses are enabled for the workspace, the default is TRUE.
channel	Whether to use the current SQL warehouse compute version or the preview version. Databricks does not recommend using preview versions for production workloads. The default is CHANNEL_NAME_CURRENT.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Modify a SQL warehouse. All fields are optional. Missing fields default to the current values.

See Also

Other Warehouse API: [db_sql_global_warehouse_get\(\)](#), [db_sql_warehouse_create\(\)](#), [db_sql_warehouse_delete\(\)](#), [db_sql_warehouse_get\(\)](#), [db_sql_warehouse_list\(\)](#), [db_sql_warehouse_start\(\)](#), [db_sql_warehouse_stop\(\)](#), [get_and_start_warehouse\(\)](#)

db_sql_warehouse_get *Get Warehouse*

Description

Get Warehouse

Usage

```
db_sql_warehouse_get(  
    id,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

id	ID of the SQL warehouse.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Warehouse API: [db_sql_global_warehouse_get\(\)](#), [db_sql_warehouse_create\(\)](#), [db_sql_warehouse_delete\(\)](#), [db_sql_warehouse_edit\(\)](#), [db_sql_warehouse_list\(\)](#), [db_sql_warehouse_start\(\)](#), [db_sql_warehouse_stop\(\)](#), [get_and_start_warehouse\(\)](#)

db_sql_warehouse_list *List Warehouses*

Description

List Warehouses

Usage

```
db_sql_warehouse_list(  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Warehouse API: [db_sql_global_warehouse_get\(\)](#), [db_sql_warehouse_create\(\)](#), [db_sql_warehouse_delete\(\)](#), [db_sql_warehouse_edit\(\)](#), [db_sql_warehouse_get\(\)](#), [db_sql_warehouse_start\(\)](#), [db_sql_warehouse_stop\(\)](#), [get_and_start_warehouse\(\)](#)

db_sql_warehouse_start
<i>Start Warehouse</i>

Description

Start Warehouse

Usage

```
db_sql_warehouse_start(  
  id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

id	ID of the SQL warehouse.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Warehouse API: [db_sql_global_warehouse_get\(\)](#), [db_sql_warehouse_create\(\)](#), [db_sql_warehouse_delete\(\)](#), [db_sql_warehouse_edit\(\)](#), [db_sql_warehouse_get\(\)](#), [db_sql_warehouse_list\(\)](#), [db_sql_warehouse_stop\(\)](#), [get_and_start_warehouse\(\)](#)

db_sql_warehouse_stop	<i>Stop Warehouse</i>
-----------------------	-----------------------

Description

Stop Warehouse

Usage

```
db_sql_warehouse_stop(  
  id,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

- id ID of the SQL warehouse.
- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

See Also

Other Warehouse API: [db_sql_global_warehouse_get\(\)](#), [db_sql_warehouse_create\(\)](#), [db_sql_warehouse_delete\(\)](#), [db_sql_warehouse_edit\(\)](#), [db_sql_warehouse_get\(\)](#), [db_sql_warehouse_list\(\)](#), [db_sql_warehouse_start\(\)](#), [get_and_start_warehouse\(\)](#)

db_token	<i>Fetch Databricks Token</i>
----------	-------------------------------

Description

The function will check for a token in the DATABRICKS_HOST environment variable. .databrickscfg will be searched if db_profile and use_databrickscfg are set or if Posit Workbench managed OAuth credentials are detected. If none of the above are found then will default to using OAuth U2M flow.
Refer to [api authentication docs](#)

Usage

```
db_token(profile = default_config_profile())
```

Arguments

profile Profile to use when fetching from environment variable (e.g. `.Renviron`) or `.databricksfcg` file

Details

The behaviour is subject to change depending if `db_profile` and `use_databricksfcg` options are set.

- `use_databricksfcg`: Boolean (default: `FALSE`), determines if credentials are fetched from profile of `.databricksfcg` or `.Renviron`
- `db_profile`: String (default: `NULL`), determines profile used. `.databricksfcg` will automatically be used when Posit Workbench managed OAuth credentials are detected.

See vignette on authentication for more details.

Value

databricks token

See Also

Other Databricks Authentication Helpers: `db_host()`, `db_read_netrc()`, `db_wsid()`

db_uc_catalogs_get	<i>Get Catalog (Unity Catalog)</i>
--------------------	------------------------------------

Description

Get Catalog (Unity Catalog)

Usage

```
db_uc_catalogs_get(
  catalog,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

catalog The name of the catalog.

host Databricks workspace URL, defaults to calling `db_host()`.

token Databricks workspace token, defaults to calling `db_token()`.

perform_request If `TRUE` (default) the request is performed, if `FALSE` the http2 request is returned *without* being performed.

Value

List

See Also

Other Unity Catalog Management: [db_uc_catalogs_list\(\)](#), [db_uc_schemas_get\(\)](#), [db_uc_schemas_list\(\)](#)

db_uc_catalogs_list *List Catalogs (Unity Catalog)*

Description

List Catalogs (Unity Catalog)

Usage

```
db_uc_catalogs_list(  
    max_results = 1000,  
    include_browse = TRUE,  
    page_token = NULL,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

max_results	Maximum number of catalogs to return (default: 1000).
include_browse	Whether to include catalogs in the response for which the principal can only access selective metadata for.
page_token	Opaque token used to get the next page of results. Optional.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

List

See Also

Other Unity Catalog Management: [db_uc_catalogs_get\(\)](#), [db_uc_schemas_get\(\)](#), [db_uc_schemas_list\(\)](#)

db_uc_schemas_get	<i>Get Schema (Unity Catalog)</i>
-------------------	-----------------------------------

Description

Get Schema (Unity Catalog)

Usage

```
db_uc_schemas_get(  
  catalog,  
  schema,  
  include_browse = TRUE,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

catalog	Parent catalog for schema of interest.
schema	Schema of interest.
include_browse	Whether to include catalogs in the response for which the principal can only access selective metadata for.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

List

See Also

Other Unity Catalog Management: [db_uc_catalogs_get\(\)](#), [db_uc_catalogs_list\(\)](#), [db_uc_schemas_list\(\)](#)

db_uc_schemas_list	<i>List Schemas (Unity Catalog)</i>
--------------------	-------------------------------------

Description

List Schemas (Unity Catalog)

Usage

```
db_uc_schemas_list(  
  catalog,  
  max_results = 1000,  
  page_token = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

catalog	Parent catalog for schemas of interest.
max_results	Maximum number of schemas to return (default: 1000).
page_token	Opaque token used to get the next page of results. Optional.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

List

See Also

Other Unity Catalog Management: [db_uc_catalogs_get\(\)](#), [db_uc_catalogs_list\(\)](#), [db_uc_schemas_get\(\)](#)

db_uc_tables_delete	<i>Delete Table (Unity Catalog)</i>
---------------------	-------------------------------------

Description

Delete Table (Unity Catalog)

Usage

```
db_uc_tables_delete(  
  catalog,  
  schema,  
  table,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

catalog	Parent catalog of table.
schema	Parent schema of table.
table	Table name.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

Boolean

See Also

Other Unity Catalog Table Management: [db_uc_tables_exists\(\)](#), [db_uc_tables_get\(\)](#), [db_uc_tables_list\(\)](#), [db_uc_tables_summaries\(\)](#)

db_uc_tables_exists	<i>Check Table Exists (Unity Catalog)</i>
---------------------	---

Description

Check Table Exists (Unity Catalog)

Usage

```
db_uc_tables_exists(  
  catalog,  
  schema,  
  table,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

catalog	Parent catalog of table.
schema	Parent schema of table.
table	Table name.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

List with fields table_exists and supports_foreign_metadata_update

See Also

Other Unity Catalog Table Management: [db_uc_tables_delete\(\)](#), [db_uc_tables_get\(\)](#), [db_uc_tables_list\(\)](#), [db_uc_tables_summaries\(\)](#)

db_uc_tables_get	<i>Get Table (Unity Catalog)</i>
------------------	----------------------------------

Description

Get Table (Unity Catalog)

Usage

```
db_uc_tables_get(  
  catalog,  
  schema,  
  table,  
  omit_columns = TRUE,  
  omit_properties = TRUE,  
  omit_username = TRUE,  
  include_browse = TRUE,  
  include_delta_metadata = TRUE,  
  include_manifest_capabilities = FALSE,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

catalog	Parent catalog of table.
schema	Parent schema of table.
table	Table name.
omit_columns	Whether to omit the columns of the table from the response or not.
omit_properties	Whether to omit the properties of the table from the response or not.
omit_username	Whether to omit the username of the table (e.g. owner, updated_by, created_by) from the response or not.
include_browse	Whether to include tables in the response for which the principal can only access selective metadata for.
include_delta_metadata	Whether delta metadata should be included in the response.
include_manifest_capabilities	Whether to include a manifest containing capabilities the table has.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

List

See Also

Other Unity Catalog Table Management: [db_uc_tables_delete\(\)](#), [db_uc_tables_exists\(\)](#), [db_uc_tables_list\(\)](#), [db_uc_tables_summaries\(\)](#)

db_uc_tables_list	<i>List Tables (Unity Catalog)</i>
-------------------	------------------------------------

Description

List Tables (Unity Catalog)

Usage

```
db_uc_tables_list(  
  catalog,  
  schema,  
  max_results = 50,  
  omit_columns = TRUE,  
  omit_properties = TRUE,  
  omit_username = TRUE,  
  include_browse = TRUE,  
  include_delta_metadata = FALSE,  
  include_manifest_capabilities = FALSE,  
  page_token = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

catalog	Name of parent catalog for tables of interest.
schema	Parent schema of tables.
max_results	Maximum number of tables to return (default: 50, max: 50).
omit_columns	Whether to omit the columns of the table from the response or not.
omit_properties	Whether to omit the properties of the table from the response or not.
omit_username	Whether to omit the username of the table (e.g. owner, updated_by, created_by) from the response or not.
include_browse	Whether to include tables in the response for which the principal can only access selective metadata for.

include_delta_metadata	Whether delta metadata should be included in the response.
include_manifest_capabilities	Whether to include a manifest containing capabilities the table has.
page_token	Opaque token used to get the next page of results. Optional.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

List

See Also

Other Unity Catalog Table Management: [db_uc_tables_delete\(\)](#), [db_uc_tables_exists\(\)](#), [db_uc_tables_get\(\)](#), [db_uc_tables_summaries\(\)](#)

db_uc_tables_summaries

List Table Summaries (Unity Catalog)

Description

List Table Summaries (Unity Catalog)

Usage

```
db_uc_tables_summaries(
  catalog,
  schema_name_pattern = NULL,
  table_name_pattern = NULL,
  max_results = 10000,
  include_manifest_capabilities = FALSE,
  page_token = NULL,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

catalog	Name of parent catalog for tables of interest.
schema_name_pattern	A sql LIKE pattern (% and _) for schema names. All schemas will be returned if not set or empty.
table_name_pattern	A sql LIKE pattern (% and _) for table names. All tables will be returned if not set or empty.
max_results	Maximum number of summaries for tables to return (default: 10000, max: 10000). If not set, the page length is set to a server configured value.
include_manifest_capabilities	Whether to include a manifest containing capabilities the table has.
page_token	Opaque token used to get the next page of results. Optional.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

List

See Also

Other Unity Catalog Table Management: [db_uc_tables_delete\(\)](#), [db_uc_tables_exists\(\)](#), [db_uc_tables_get\(\)](#), [db_uc_tables_list\(\)](#)

db_uc_volumes_create	<i>Update Volume (Unity Catalog)</i>
----------------------	--------------------------------------

Description

Update Volume (Unity Catalog)

Usage

```
db_uc_volumes_create(  
  catalog,  
  schema,  
  volume,  
  volume_type = c("MANAGED", "EXTERNAL"),  
  storage_location = NULL,  
  comment = NULL,  
  host = db_host(),
```

```

    token = db_token(),
    perform_request = TRUE
)

```

Arguments

catalog	Parent catalog of volume
schema	Parent schema of volume
volume	Volume name.
volume_type	Either 'MANAGED' or 'EXTERNAL'.
storage_location	The storage location on the cloud, only specified when volume_type is 'EXTERNAL'.
comment	The comment attached to the volume.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

List

See Also

Other Unity Catalog Volume Management: [db_uc_volumes_delete\(\)](#), [db_uc_volumes_get\(\)](#), [db_uc_volumes_list\(\)](#), [db_uc_volumes_update\(\)](#)

db_uc_volumes_delete *Delete Volume (Unity Catalog)*

Description

Delete Volume (Unity Catalog)

Usage

```

db_uc_volumes_delete(
  catalog,
  schema,
  volume,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)

```

Arguments

catalog	Parent catalog of volume
schema	Parent schema of volume
volume	Volume name.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

Boolean

See Also

Other Unity Catalog Volume Management: [db_uc_volumes_create\(\)](#), [db_uc_volumes_get\(\)](#), [db_uc_volumes_list\(\)](#), [db_uc_volumes_update\(\)](#)

db_uc_volumes_get	<i>Get Volume (Unity Catalog)</i>
-------------------	-----------------------------------

Description

Get Volume (Unity Catalog)

Usage

```
db_uc_volumes_get(  
  catalog,  
  schema,  
  volume,  
  include_browse = TRUE,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

catalog	Parent catalog of volume
schema	Parent schema of volume
volume	Volume name.
include_browse	Whether to include volumes in the response for which the principal can only access selective metadata for.

Value

List

See Also

Other Unity Catalog Volume Management: [db_uc_volumes_create\(\)](#), [db_uc_volumes_delete\(\)](#), [db_uc_volumes_get\(\)](#), [db_uc_volumes_update\(\)](#)

db_uc_volumes_update	<i>Update Volume (Unity Catalog)</i>
----------------------	--------------------------------------

Description

Update Volume (Unity Catalog)

Usage

```
db_uc_volumes_update(  
  catalog,  
  schema,  
  volume,  
  owner = NULL,  
  comment = NULL,  
  new_name = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

catalog	Parent catalog of volume
schema	Parent schema of volume
volume	Volume name.
owner	The identifier of the user who owns the volume (Optional).
comment	The comment attached to the volume (Optional).
new_name	New name for the volume (Optional).
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Value

List

See Also

Other Unity Catalog Volume Management: [db_uc_volumes_create\(\)](#), [db_uc_volumes_delete\(\)](#), [db_uc_volumes_get\(\)](#), [db_uc_volumes_list\(\)](#)

db_volume_delete	<i>Volume FileSystem Delete</i>
------------------	---------------------------------

Description

Volume FileSystem Delete

Usage

```
db_volume_delete(  
  path,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

- path Absolute path of the file in the Files API, omitting the initial slash.
- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

See Also

Other Volumes FileSystem API: [db_volume_dir_create\(\)](#), [db_volume_dir_delete\(\)](#), [db_volume_dir_exists\(\)](#), [db_volume_file_exists\(\)](#), [db_volume_list\(\)](#), [db_volume_read\(\)](#), [db_volume_write\(\)](#)

db_volume_dir_create *Volume FileSystem Create Directory*

Description

Volume FileSystem Create Directory

Usage

```
db_volume_dir_create(  
    path,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

path	Absolute path of the file in the Files API, omitting the initial slash.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Volumes FileSystem API: [db_volume_delete\(\)](#), [db_volume_dir_delete\(\)](#), [db_volume_dir_exists\(\)](#), [db_volume_file_exists\(\)](#), [db_volume_list\(\)](#), [db_volume_read\(\)](#), [db_volume_write\(\)](#)

db_volume_dir_delete *Volume FileSystem Delete Directory*

Description

Volume FileSystem Delete Directory

Usage

```
db_volume_dir_delete(  
    path,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

path	Absolute path of the file in the Files API, omitting the initial slash.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Volumes FileSystem API: [db_volume_delete\(\)](#), [db_volume_dir_create\(\)](#), [db_volume_dir_exists\(\)](#), [db_volume_file_exists\(\)](#), [db_volume_list\(\)](#), [db_volume_read\(\)](#), [db_volume_write\(\)](#)

db_volume_dir_exists *Volume FileSystem Check Directory Exists*

Description

Volume FileSystem Check Directory Exists

Usage

```
db_volume_dir_exists(
  path,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

path	Absolute path of the file in the Files API, omitting the initial slash.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Volumes FileSystem API: [db_volume_delete\(\)](#), [db_volume_dir_create\(\)](#), [db_volume_dir_delete\(\)](#), [db_volume_file_exists\(\)](#), [db_volume_list\(\)](#), [db_volume_read\(\)](#), [db_volume_write\(\)](#)

db_volume_file_exists	<i>Volume FileSystem File Status</i>
-----------------------	--------------------------------------

Description

Volume FileSystem File Status

Usage

```
db_volume_file_exists(  
    path,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

path	Absolute path of the file in the Files API, omitting the initial slash.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Volumes FileSystem API: [db_volume_delete\(\)](#), [db_volume_dir_create\(\)](#), [db_volume_dir_delete\(\)](#), [db_volume_dir_exists\(\)](#), [db_volume_list\(\)](#), [db_volume_read\(\)](#), [db_volume_write\(\)](#)

db_volume_list	<i>Volume FileSystem List Directory Contents</i>
----------------	--

Description

Volume FileSystem List Directory Contents

Usage

```
db_volume_list(  
    path,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

path	Absolute path of the file in the Files API, omitting the initial slash.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Volumes FileSystem API: [db_volume_delete\(\)](#), [db_volume_dir_create\(\)](#), [db_volume_dir_delete\(\)](#), [db_volume_dir_exists\(\)](#), [db_volume_file_exists\(\)](#), [db_volume_read\(\)](#), [db_volume_write\(\)](#)

db_volume_read	<i>Volume FileSystem Read</i>
----------------	-------------------------------

Description

Return the contents of a file within a volume (up to 5GiB).

Usage

```
db_volume_read(
  path,
  destination,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

path	Absolute path of the file in the Files API, omitting the initial slash.
destination	Path to write downloaded file to.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Volumes FileSystem API: [db_volume_delete\(\)](#), [db_volume_dir_create\(\)](#), [db_volume_dir_delete\(\)](#), [db_volume_dir_exists\(\)](#), [db_volume_file_exists\(\)](#), [db_volume_list\(\)](#), [db_volume_write\(\)](#)

db_volume_write	<i>Volume FileSystem Write</i>
-----------------	--------------------------------

Description

Upload a file to volume filesystem.

Usage

```
db_volume_write(  
    path,  
    file = NULL,  
    overwrite = FALSE,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

path	Absolute path of the file in the Files API, omitting the initial slash.
file	Path to a file on local system, takes precedent over path.
overwrite	Flag (Default: FALSE) that specifies whether to overwrite existing files.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Uploads a file of up to 5 GiB.

See Also

Other Volumes FileSystem API: [db_volume_delete\(\)](#), [db_volume_dir_create\(\)](#), [db_volume_dir_delete\(\)](#), [db_volume_dir_exists\(\)](#), [db_volume_file_exists\(\)](#), [db_volume_list\(\)](#), [db_volume_read\(\)](#)

db_vs_endpoints_create
<i>Create a Vector Search Endpoint</i>

Description

Create a Vector Search Endpoint

Usage

```
db_vs_endpoints_create(  
  name,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

name	Name of vector search endpoint
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

This function can take a few moments to run.

See Also

Other Vector Search API: [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_endpoints_delete	<i>Delete a Vector Search Endpoint</i>
------------------------	--

Description

Delete a Vector Search Endpoint

Usage

```
db_vs_endpoints_delete(  
  endpoint,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

endpoint	Name of vector search endpoint
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_endpoints_get	<i>Get a Vector Search Endpoint</i>
---------------------	-------------------------------------

Description

Get a Vector Search Endpoint

Usage

```
db_vs_endpoints_get(  
  endpoint,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

endpoint	Name of vector search endpoint
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_endpoints_list	<i>List Vector Search Endpoints</i>
----------------------	-------------------------------------

Description

List Vector Search Endpoints

Usage

```
db_vs_endpoints_list(  
  page_token = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

page_token	Token for pagination
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_indexes_create	<i>Create a Vector Search Index</i>
----------------------	-------------------------------------

Description

Create a Vector Search Index

Usage

```
db_vs_indexes_create(  
  name,  
  endpoint,  
  primary_key,  
  spec,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

name	Name of vector search index
endpoint	Name of vector search endpoint
primary_key	Vector search primary key column name
spec	Either delta_sync_index_spec() or direct_access_index_spec() .
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_indexes_delete *Delete a Vector Search Index*

Description

Delete a Vector Search Index

Usage

```
db_vs_indexes_delete(
    index,
    host = db_host(),
    token = db_token(),
    perform_request = TRUE
)
```

Arguments

index	Name of vector search index
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_indexes_delete_data	<i>Delete Data from a Vector Search Index</i>
---------------------------	---

Description

Delete Data from a Vector Search Index

Usage

```
db_vs_indexes_delete_data(  
  index,  
  primary_keys,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

index	Name of vector search index
primary_keys	primary keys to be deleted from index
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_indexes_get	<i>Get a Vector Search Index</i>
-------------------	----------------------------------

Description

Get a Vector Search Index

Usage

```
db_vs_indexes_get(
  index,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

index	Name of vector search index
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_indexes_list	<i>List Vector Search Indexes</i>
--------------------	-----------------------------------

Description

List Vector Search Indexes

Usage

```
db_vs_indexes_list(
  endpoint,
  page_token = NULL,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

endpoint	Name of vector search endpoint
page_token	page_token returned from prior query
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the httr2 request is returned <i>without</i> being performed.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_indexes_query	<i>Query a Vector Search Index</i>
---------------------	------------------------------------

Description

Query a Vector Search Index

Usage

```
db_vs_indexes_query(  
  index,  
  columns,  
  filters_json,  
  query_vector = NULL,  
  query_text = NULL,  
  score_threshold = 0,  
  query_type = c("ANN", "HYBRID"),  
  num_results = 10,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

index	Name of vector search index
columns	Column names to include in response
filters_json	JSON string representing query filters, see details.

query_vector	Numeric vector. Required for direct vector access index and delta sync index using self managed vectors.
query_text	Required for delta sync index using model endpoint.
score_threshold	Numeric score threshold for the approximate nearest neighbour (ANN) search. Defaults to 0.0.
query_type	One of ANN (default) or HYBRID
num_results	Number of returns to return (default: 10).
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

You cannot specify both `query_vector` and `query_text` at the same time.

`filter_jsons` examples:

- `'{"id <": 5}'`: Filter for id less than 5
- `'{"id >": 5}'`: Filter for id greater than 5
- `'{"id <=": 5}'`: Filter for id less than equal to 5
- `'{"id >=": 5}'`: Filter for id greater than equal to 5
- `'{"id": 5}'`: Filter for id equal to 5
- `'{"id": 5, "age >=": 18}'`: Filter for id equal to 5 and age greater than equal to 18

`filter_jsons` will convert attempt to use `jsonlite::toJSON` on any non character vectors.

Refer to docs for [Vector Search](#).

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

Examples

```
## Not run:
db_vs_indexes_sync(
  index = "myindex",
  columns = c("id", "text"),
  query_vector = c(1, 2, 3)
)

## End(Not run)
```

db_vs_indexes_query_next_page
<i>Query Vector Search Next Page</i>

Description

Query Vector Search Next Page

Usage

```
db_vs_indexes_query_next_page(  
  index,  
  endpoint,  
  page_token = NULL,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

index	Name of vector search index
endpoint	Name of vector search endpoint
page_token	page_token returned from prior query
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_indexes_scan	<i>Scan a Vector Search Index</i>
--------------------	-----------------------------------

Description

Scan a Vector Search Index

Usage

```
db_vs_indexes_scan(  
  endpoint,  
  index,  
  last_primary_key,  
  num_results = 10,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

endpoint	Name of vector search endpoint to scan
index	Name of vector search index to scan
last_primary_key	Primary key of the last entry returned in previous scan
num_results	Number of returns to return (default: 10)
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Scan the specified vector index and return the first num_results entries after the exclusive primary_key.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_indexes_sync	<i>Synchronize a Vector Search Index</i>
--------------------	--

Description

Synchronize a Vector Search Index

Usage

```
db_vs_indexes_sync(  
  index,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

- index Name of vector search index
- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

Details

Triggers a synchronization process for a specified vector index. The index must be a 'Delta Sync' index.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_vs_indexes_upsert_data	<i>Upsert Data into a Vector Search Index</i>
---------------------------	---

Description

Upsert Data into a Vector Search Index

Usage

```
db_vs_indexes_upsert_data(  
  index,  
  df,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

index	Name of vector search index
df	data.frame containing data to upsert
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

db_workspace_delete	<i>Delete Object/Directory (Workspaces)</i>
---------------------	---

Description

Delete Object/Directory (Workspaces)

Usage

```
db_workspace_delete(
  path,
  recursive = FALSE,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

path	Absolute path of the notebook or directory.
recursive	Flag that specifies whether to delete the object recursively. False by default.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Delete an object or a directory (and optionally recursively deletes all objects in the directory). If path does not exist, this call returns an error RESOURCE_DOES_NOT_EXIST. If path is a non-empty directory and recursive is set to false, this call returns an error DIRECTORY_NOT_EMPTY.

Object deletion cannot be undone and deleting a directory recursively is not atomic.

See Also

Other Workspace API: [db_workspace_export\(\)](#), [db_workspace_get_status\(\)](#), [db_workspace_import\(\)](#), [db_workspace_list\(\)](#), [db_workspace_mkdirs\(\)](#)

db_workspace_export	<i>Export Notebook or Directory (Workspaces)</i>
---------------------	--

Description

Export Notebook or Directory (Workspaces)

Usage

```
db_workspace_export(
  path,
  format = c("AUTO", "SOURCE", "HTML", "JUPYTER", "DBC", "R_MARKDOWN"),
  host = db_host(),
  token = db_token(),
  output_path = NULL,
```

```

    direct_download = FALSE,
    perform_request = TRUE
)

```

Arguments

path	Absolute path of the notebook or directory.
format	One of AUTO, SOURCE, HTML, JUPYTER, DBC, R_MARKDOWN. Default is SOURCE.
host	Databricks workspace URL, defaults to calling <code>db_host()</code> .
token	Databricks workspace token, defaults to calling <code>db_token()</code> .
output_path	Path to export file to, ensure to include correct suffix.
direct_download	Boolean (default: FALSE), if TRUE download file contents directly to file. Must also specify output_path.
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

Export a notebook or contents of an entire directory. If path does not exist, this call returns an error RESOURCE_DOES_NOT_EXIST.

You can export a directory only in DBC format. If the exported data exceeds the size limit, this call returns an error MAX_NOTEBOOK_SIZE_EXCEEDED. This API does not support exporting a library.

At this time we do not support the direct_download parameter and returns a base64 encoded string.

[See More.](#)

Value

base64 encoded string

See Also

Other Workspace API: `db_workspace_delete()`, `db_workspace_get_status()`, `db_workspace_import()`, `db_workspace_list()`, `db_workspace_mkdirs()`

`db_workspace_get_status`*Get Object Status (Workspaces)*

Description

Gets the status of an object or a directory.

Usage

```
db_workspace_get_status(  
    path,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

<code>path</code>	Absolute path of the notebook or directory.
<code>host</code>	Databricks workspace URL, defaults to calling db_host() .
<code>token</code>	Databricks workspace token, defaults to calling db_token() .
<code>perform_request</code>	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

If path does not exist, this call returns an error `RESOURCE_DOES_NOT_EXIST`.

See Also

Other Workspace API: [db_workspace_delete\(\)](#), [db_workspace_export\(\)](#), [db_workspace_import\(\)](#), [db_workspace_list\(\)](#), [db_workspace_mkdirs\(\)](#)

`db_workspace_import`*Import Notebook/Directory (Workspaces)*

Description

Import a notebook or the contents of an entire directory.

Usage

```
db_workspace_import(  
    path,  
    file = NULL,  
    content = NULL,  
    format = c("AUTO", "SOURCE", "HTML", "JUPYTER", "DBC", "R_MARKDOWN"),  
    language = NULL,  
    overwrite = FALSE,  
    host = db_host(),  
    token = db_token(),  
    perform_request = TRUE  
)
```

Arguments

path	Absolute path of the notebook or directory.
file	Path of local file to upload. See <code>formats</code> parameter.
content	Content to upload, this will be base64-encoded and has a limit of 10MB.
format	One of AUTO, SOURCE, HTML, JUPYTER, DBC, R_MARKDOWN. Default is SOURCE.
language	One of R, PYTHON, SCALA, SQL. Required when format is SOURCE otherwise ignored.
overwrite	Flag that specifies whether to overwrite existing object. FALSE by default. For DBC overwrite is not supported since it may contain a directory.
host	Databricks workspace URL, defaults to calling <code>db_host()</code> .
token	Databricks workspace token, defaults to calling <code>db_token()</code> .
perform_request	If TRUE (default) the request is performed, if FALSE the http2 request is returned <i>without</i> being performed.

Details

`file` and `content` are mutually exclusive. If both are specified content will be ignored.

If path already exists and `overwrite` is set to FALSE, this call returns an error `RESOURCE_ALREADY_EXISTS`. You can use only DBC format to import a directory.

See Also

Other Workspace API: `db_workspace_delete()`, `db_workspace_export()`, `db_workspace_get_status()`, `db_workspace_list()`, `db_workspace_mkdirs()`

db_workspace_list	<i>List Directory Contents (Workspaces)</i>
-------------------	---

Description

List Directory Contents (Workspaces)

Usage

```
db_workspace_list(  
  path,  
  host = db_host(),  
  token = db_token(),  
  perform_request = TRUE  
)
```

Arguments

- path Absolute path of the notebook or directory.
- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- perform_request If TRUE (default) the request is performed, if FALSE the http2 request is returned *without* being performed.

Details

List the contents of a directory, or the object if it is not a directory. If the input path does not exist, this call returns an error RESOURCE_DOES_NOT_EXIST.

See Also

Other Workspace API: [db_workspace_delete\(\)](#), [db_workspace_export\(\)](#), [db_workspace_get_status\(\)](#), [db_workspace_import\(\)](#), [db_workspace_mkdirs\(\)](#)

db_workspace_mkdirs	<i>Make a Directory (Workspaces)</i>
---------------------	--------------------------------------

Description

Make a Directory (Workspaces)

Usage

```
db_workspace_mkdirs(
  path,
  host = db_host(),
  token = db_token(),
  perform_request = TRUE
)
```

Arguments

path	Absolute path of the directory.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
perform_request	If TRUE (default) the request is performed, if FALSE the http request is returned <i>without</i> being performed.

Details

Create the given directory and necessary parent directories if they do not exist. If there exists an object (not a directory) at any prefix of the input path, this call returns an error `RESOURCE_ALREADY_EXISTS`. If this operation fails it may have succeeded in creating some of the necessary parent directories.

See Also

Other Workspace API: [db_workspace_delete\(\)](#), [db_workspace_export\(\)](#), [db_workspace_get_status\(\)](#), [db_workspace_import\(\)](#), [db_workspace_list\(\)](#)

db_wsids

*Fetch Databricks Workspace ID***Description**

Workspace ID, optionally specified to make connections pane more powerful. Specified as an environment variable `DATABRICKS_WSID`. `.databrickscfg` will be searched if `db_profile` and `use_databrickscfg` are set or if Posit Workbench managed OAuth credentials are detected.

Refer to [api authentication docs](#)

Usage

```
db_wsids(profile = default_config_profile())
```

Arguments

profile	Profile to use when fetching from environment variable (e.g. <code>.Renviron</code>) or <code>.databrickscfg</code> file
---------	---

Details

The behaviour is subject to change depending if `db_profile` and `use_databrickscfg` options are set.

- `use_databrickscfg`: Boolean (default: FALSE), determines if credentials are fetched from profile of `.databrickscfg` or `.Renv`
- `db_profile`: String (default: NULL), determines profile used. `.databrickscfg` will automatically be used when Posit Workbench managed OAuth credentials are detected.

See vignette on authentication for more details.

Value

databricks workspace ID

See Also

Other Databricks Authentication Helpers: [db_host\(\)](#), [db_read_netrc\(\)](#), [db_token\(\)](#)

`delta_sync_index_spec` *Delta Sync Vector Search Index Specification*

Description

Delta Sync Vector Search Index Specification

Usage

```
delta_sync_index_spec(
  source_table,
  embedding_writeback_table = NULL,
  embedding_source_columns = NULL,
  embedding_vector_columns = NULL,
  pipeline_type = c("TRIGGERED", "CONTINUOUS")
)
```

Arguments

<code>source_table</code>	The name of the source table.
<code>embedding_writeback_table</code>	Name of table to sync index contents and computed embeddings back to delta table, see details.
<code>embedding_source_columns</code>	The columns that contain the embedding source, must be one or list of embedding_source_column()
<code>embedding_vector_columns</code>	The columns that contain the embedding, must be one or list of embedding_vector_column()
<code>pipeline_type</code>	Pipeline execution mode, see details.

Details

pipeline_type is either:

- "TRIGGERED": If the pipeline uses the triggered execution mode, the system stops processing after successfully refreshing the source table in the pipeline once, ensuring the table is updated based on the data available when the update started.
- "CONTINUOUS": If the pipeline uses continuous execution, the pipeline processes new data as it arrives in the source table to keep vector index fresh.

The only supported naming convention for embedding_writeback_table is "<index_name>_writeback_table".

See Also

[db_vs_indexes_create\(\)](#)

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

direct_access_index_spec

Delta Sync Vector Search Index Specification

Description

Delta Sync Vector Search Index Specification

Usage

```
direct_access_index_spec(
  embedding_source_columns = NULL,
  embedding_vector_columns = NULL,
  schema
)
```

Arguments

embedding_source_columns	The columns that contain the embedding source, must be one or list of embedding_source_column()
embedding_vector_columns	The columns that contain the embedding, must be one or list of embedding_vector_column() vectors.
schema	Named list, names are column names, values are types. See details.

Details

The supported types are:

- "integer"
- "long"
- "float"
- "double"
- "boolean"
- "string"
- "date"
- "timestamp"
- "array<float>": supported for vector columns
- "array<double>": supported for vector columns

See Also

[db_vs_indexes_create\(\)](#)

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [embedding_source_column\(\)](#), [embedding_vector_column\(\)](#)

docker_image	<i>Docker Image</i>
--------------	---------------------

Description

Docker image connection information.

Usage

`docker_image(url, username, password)`

Arguments

- | | |
|----------|--------------------------------------|
| url | URL for the Docker image. |
| username | User name for the Docker repository. |
| password | Password for the Docker repository. |

Details

Uses basic authentication, **strongly** recommended that credentials are not stored in any scripts and environment variables should be used.

See Also

[db_cluster_create\(\)](#), [db_cluster_edit\(\)](#)

email_notifications	<i>Email Notifications</i>
---------------------	----------------------------

Description

Email Notifications

Usage

```
email_notifications(
    on_start = NULL,
    on_success = NULL,
    on_failure = NULL,
    no_alert_for_skipped_runs = TRUE
)
```

Arguments

on_start	List of email addresses to be notified when a run begins. If not specified on job creation, reset, or update, the list is empty, and notifications are not sent.
on_success	List of email addresses to be notified when a run successfully completes. A run is considered to have completed successfully if it ends with a <code>TERMINATED</code> <code>life_cycle_state</code> and a <code>SUCCESSFUL</code> <code>result_state</code> . If not specified on job creation, reset, or update, the list is empty, and notifications are not sent.
on_failure	List of email addresses to be notified when a run unsuccessfully completes. A run is considered to have completed unsuccessfully if it ends with an <code>INTERNAL_ERROR</code> <code>life_cycle_state</code> or a <code>SKIPPED</code> , <code>FAILED</code> , or <code>TIMED_OUT</code> <code>result_state</code> . If this is not specified on job creation, reset, or update the list is empty, and notifications are not sent.
no_alert_for_skipped_runs	If <code>TRUE</code> (default), do not send email to recipients specified in <code>on_failure</code> if the run is skipped.

See Also

[job_task\(\)](#)

Other Task Objects: [condition_task\(\)](#), [for_each_task\(\)](#), [libraries\(\)](#), [new_cluster\(\)](#), [notebook_task\(\)](#), [pipeline_task\(\)](#), [python_wheel_task\(\)](#), [run_job_task\(\)](#), [spark_jar_task\(\)](#), [spark_python_task\(\)](#), [spark_submit_task\(\)](#), [sql_file_task\(\)](#), [sql_query_task\(\)](#)

embedding_source_column
<i>Embedding Source Column</i>

Description

Embedding Source Column

Usage

embedding_source_column(name, model_endpoint_name)

Arguments

- | | |
|---------------------|--------------------------------------|
| name | Name of the column |
| model_endpoint_name | Name of the embedding model endpoint |

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_vector_column\(\)](#)

embedding_vector_column
<i>Embedding Vector Column</i>

Description

Embedding Vector Column

Usage

embedding_vector_column(name, dimension)

Arguments

- | | |
|-----------|-----------------------------------|
| name | Name of the column |
| dimension | dimension of the embedding vector |

See Also

Other Vector Search API: [db_vs_endpoints_create\(\)](#), [db_vs_endpoints_delete\(\)](#), [db_vs_endpoints_get\(\)](#), [db_vs_endpoints_list\(\)](#), [db_vs_indexes_create\(\)](#), [db_vs_indexes_delete\(\)](#), [db_vs_indexes_delete_data\(\)](#), [db_vs_indexes_get\(\)](#), [db_vs_indexes_list\(\)](#), [db_vs_indexes_query\(\)](#), [db_vs_indexes_query_next_page\(\)](#), [db_vs_indexes_scan\(\)](#), [db_vs_indexes_sync\(\)](#), [db_vs_indexes_upsert_data\(\)](#), [delta_sync_index_spec\(\)](#), [direct_access_index_spec\(\)](#), [embedding_source_column\(\)](#)

<code>file_storage_info</code>	<i>File Storage Information</i>
--------------------------------	---------------------------------

Description

File Storage Information

Usage

`file_storage_info(destination)`

Arguments

`destination` File destination. Example: `file:/my/file.sh`.

Details

The file storage type is only available for clusters set up using Databricks Container Services.

See Also

[init_script_info\(\)](#)
Other Init Script Info Objects: [dbfs_storage_info\(\)](#), [s3_storage_info\(\)](#)

<code>for_each_task</code>	<i>For Each Task</i>
----------------------------	----------------------

Description

For Each Task

Usage

`for_each_task(inputs, task, concurrency = 1)`

Arguments

inputs	Array for task to iterate on. This can be a JSON string or a reference to an array parameter.
task	Must be a job_task() .
concurrency	Maximum allowed number of concurrent runs of the task.

See Also

Other Task Objects: [condition_task\(\)](#), [email_notifications\(\)](#), [libraries\(\)](#), [new_cluster\(\)](#), [notebook_task\(\)](#), [pipeline_task\(\)](#), [python_wheel_task\(\)](#), [run_job_task\(\)](#), [spark_jar_task\(\)](#), [spark_python_task\(\)](#), [spark_submit_task\(\)](#), [sql_file_task\(\)](#), [sql_query_task\(\)](#)

gcp_attributes

*GCP Attributes***Description**

GCP Attributes

Usage

```
gcp_attributes(use_preemptible_executors = TRUE, google_service_account = NULL)
```

Arguments

use_preemptible_executors	Boolean (Default: TRUE). If TRUE Uses preemptible executors
google_service_account	Google service account email address that the cluster uses to authenticate with Google Identity. This field is used for authentication with the GCS and BigQuery data sources.

Details

For use with GCS and BigQuery, your Google service account that you use to access the data source must be in the same project as the SA that you specified when setting up your Databricks account.

See Also

[db_cluster_create\(\)](#), [db_cluster_edit\(\)](#)

Other Cloud Attributes: [aws_attributes\(\)](#), [azure_attributes\(\)](#)

get_and_start_cluster *Get and Start Cluster*

Description

Get and Start Cluster

Usage

```
get_and_start_cluster(
    cluster_id,
    polling_interval = 5,
    host = db_host(),
    token = db_token(),
    silent = FALSE
)
```

Arguments

cluster_id	Canonical identifier for the cluster.
polling_interval	Number of seconds to wait between status checks
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .
silent	Boolean (default: FALSE), will emit cluster state progress if TRUE.

Details

Get information regarding a Databricks cluster. If the cluster is inactive it will be started and wait until the cluster is active.

Value

[db_cluster_get\(\)](#)

See Also

[db_cluster_get\(\)](#) and [db_cluster_start\(\)](#).

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_latest_dbr\(\)](#)

Other Cluster Helpers: [get_latest_dbr\(\)](#)

`get_and_start_warehouse`*Get and Start Warehouse*

Description

Get and Start Warehouse

Usage

```
get_and_start_warehouse(  
    id,  
    polling_interval = 5,  
    host = db_host(),  
    token = db_token()  
)
```

Arguments

<code>id</code>	ID of the SQL warehouse.
<code>polling_interval</code>	Number of seconds to wait between status checks
<code>host</code>	Databricks workspace URL, defaults to calling <code>db_host()</code> .
<code>token</code>	Databricks workspace token, defaults to calling <code>db_token()</code> .

Details

Get information regarding a Databricks cluster. If the cluster is inactive it will be started and wait until the cluster is active.

Value

`db_sql_warehouse_get()`

See Also

`db_sql_warehouse_get()` and `db_sql_warehouse_start()`.

Other Warehouse API: `db_sql_global_warehouse_get()`, `db_sql_warehouse_create()`, `db_sql_warehouse_delete()`, `db_sql_warehouse_edit()`, `db_sql_warehouse_get()`, `db_sql_warehouse_list()`, `db_sql_warehouse_start()`, `db_sql_warehouse_stop()`

<code>get_latest_dbr</code>	<i>Get Latest Databricks Runtime (DBR)</i>
-----------------------------	--

Description

Get Latest Databricks Runtime (DBR)

Usage

```
get_latest_dbr(lts, ml, gpu, photon, host = db_host(), token = db_token())
```

Arguments

<code>lts</code>	Boolean, if TRUE returns only LTS runtimes
<code>ml</code>	Boolean, if TRUE returns only ML runtimes
<code>gpu</code>	Boolean, if TRUE returns only ML GPU runtimes
<code>photon</code>	Boolean, if TRUE returns only photon runtimes
<code>host</code>	Databricks workspace URL, defaults to calling db_host() .
<code>token</code>	Databricks workspace token, defaults to calling db_token() .

Details

There are runtime combinations that are not possible, such as GPU/ML and photon. This function does not permit invalid combinations.

Value

Named list

See Also

Other Clusters API: [db_cluster_create\(\)](#), [db_cluster_edit\(\)](#), [db_cluster_events\(\)](#), [db_cluster_get\(\)](#), [db_cluster_list\(\)](#), [db_cluster_list_node_types\(\)](#), [db_cluster_list_zones\(\)](#), [db_cluster_perm_delete\(\)](#), [db_cluster_pin\(\)](#), [db_cluster_resize\(\)](#), [db_cluster_restart\(\)](#), [db_cluster_runtime_versions\(\)](#), [db_cluster_start\(\)](#), [db_cluster_terminate\(\)](#), [db_cluster_unpin\(\)](#), [get_and_start_cluster\(\)](#)

Other Cluster Helpers: [get_and_start_cluster\(\)](#)

git_source	<i>Git Source for Job Notebook Tasks</i>
------------	--

Description

Git Source for Job Notebook Tasks

Usage

```
git_source(
  git_url,
  git_provider,
  reference,
  type = c("branch", "tag", "commit")
)
```

Arguments

git_url	URL of the repository to be cloned by this job. The maximum length is 300 characters.
git_provider	Unique identifier of the service used to host the Git repository. Must be one of: github, bitbucketcloud, azuredevopsservices, githubenterprise, bitbucketserver, gitlab, gitlabenterpriseedition, awscodecommit.
reference	Branch, tag, or commit to be checked out and used by this job.
type	Type of reference being used, one of: branch, tag, commit.

init_script_info	<i>Init Script Info</i>
------------------	-------------------------

Description

Init Script Info

Usage

```
init_script_info(...)
```

Arguments

...	Accepts multiple instances s3_storage_info() , file_storage_info() , or dbfs_storage_info() .
-----	---

Details

[file_storage_info\(\)](#) is only available for clusters set up using Databricks Container Services. For instructions on using init scripts with Databricks Container Services, see [Use an init script](#).

See Also

[db_cluster_create\(\)](#), [db_cluster_edit\(\)](#)

<code>in_databricks_nb</code>	<i>Detect if running within Databricks Notebook</i>
-------------------------------	---

Description

Detect if running within Databricks Notebook

Usage

`in_databricks_nb()`

Details

R sessions on Databricks can be detected via various environment variables and directories.

Value

Boolean

<code>is.access_control_request</code>	<i>Test if object is of class AccessControlRequest</i>
--	--

Description

Test if object is of class AccessControlRequest

Usage

`is.access_control_request(x)`

Arguments

`x` An object

Value

TRUE if the object inherits from the AccessControlRequest class.

`is.access_control_req_group`*Test if object is of class AccessControlRequestForGroup*

Description

Test if object is of class AccessControlRequestForGroup

Usage

`is.access_control_req_group(x)`

Arguments

x An object

Value

TRUE if the object inherits from the AccessControlRequestForGroup class.

`is.access_control_req_user`*Test if object is of class AccessControlRequestForUser*

Description

Test if object is of class AccessControlRequestForUser

Usage

`is.access_control_req_user(x)`

Arguments

x An object

Value

TRUE if the object inherits from the AccessControlRequestForUser class.

is.aws_attributes	<i>Test if object is of class AwsAttributes</i>
-------------------	---

Description

Test if object is of class AwsAttributes

Usage

is.aws_attributes(x)

Arguments

x An object

Value

TRUE if the object inherits from the AwsAttributes class.

is.azure_attributes	<i>Test if object is of class AzureAttributes</i>
---------------------	---

Description

Test if object is of class AzureAttributes

Usage

is.azure_attributes(x)

Arguments

x An object

Value

TRUE if the object inherits from the AzureAttributes class.

is.cluster_autoscale	<i>Test if object is of class AutoScale</i>
----------------------	---

Description

Test if object is of class AutoScale

Usage

is.cluster_autoscale(x)

Arguments

x An object

Value

TRUE if the object inherits from the AutoScale class.

is.cluster_log_conf	<i>Test if object is of class ClusterLogConf</i>
---------------------	--

Description

Test if object is of class ClusterLogConf

Usage

is.cluster_log_conf(x)

Arguments

x An object

Value

TRUE if the object inherits from the ClusterLogConf class.

is.condition_task	<i>Test if object is of class ConditionTask</i>
-------------------	---

Description

Test if object is of class ConditionTask

Usage

is.condition_task(x)

Arguments

x An object

Value

TRUE if the object inherits from the ConditionTask class.

is.cron_schedule	<i>Test if object is of class CronSchedule</i>
------------------	--

Description

Test if object is of class CronSchedule

Usage

is.cron_schedule(x)

Arguments

x An object

Value

TRUE if the object inherits from the CronSchedule class.

is.dbfs_storage_info *Test if object is of class DbfsStorageInfo*

Description

Test if object is of class DbfsStorageInfo

Usage

```
is.dbfs_storage_info(x)
```

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the DbfsStorageInfo class.

is.delta_sync_index *Test if object is of class DeltaSyncIndex*

Description

Test if object is of class DeltaSyncIndex

Usage

```
is.delta_sync_index(x)
```

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the DeltaSyncIndex class.

is.direct_access_index	<i>Test if object is of class DirectAccessIndex</i>
------------------------	---

Description

Test if object is of class DirectAccessIndex

Usage

is.direct_access_index(x)

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the DirectAccessIndex class.

is.docker_image	<i>Test if object is of class DockerImage</i>
-----------------	---

Description

Test if object is of class DockerImage

Usage

is.docker_image(x)

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the DockerImage class.

`is.email_notifications`*Test if object is of class JobEmailNotifications*

Description

Test if object is of class JobEmailNotifications

Usage

```
is.email_notifications(x)
```

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the JobEmailNotifications class.

`is.embedding_source_column`*Test if object is of class EmbeddingSourceColumn*

Description

Test if object is of class EmbeddingSourceColumn

Usage

```
is.embedding_source_column(x)
```

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the EmbeddingSourceColumn class.

is.embedding_vector_column
<i>Test if object is of class EmbeddingVectorColumn</i>

Description

Test if object is of class EmbeddingVectorColumn

Usage

is.embedding_vector_column(x)

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the EmbeddingVectorColumn class.

is.file_storage_info	<i>Test if object is of class FileStorageInfo</i>
----------------------	---

Description

Test if object is of class FileStorageInfo

Usage

is.file_storage_info(x)

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the FileStorageInfo class.

is.for_each_task	<i>Test if object is of class ForEachTask</i>
------------------	---

Description

Test if object is of class ForEachTask

Usage

is.for_each_task(x)

Arguments

x An object

Value

TRUE if the object inherits from the ForEachTask class.

is.gcp_attributes	<i>Test if object is of class GcpAttributes</i>
-------------------	---

Description

Test if object is of class GcpAttributes

Usage

is.gcp_attributes(x)

Arguments

x An object

Value

TRUE if the object inherits from the GcpAttributes class.

<code>is.git_source</code>	<i>Test if object is of class <code>GitSource</code></i>
----------------------------	--

Description

Test if object is of class `GitSource`

Usage

`is.git_source(x)`

Arguments

`x` An object

Value

TRUE if the object inherits from the `GitSource` class.

<code>is.init_script_info</code>	<i>Test if object is of class <code>InitScriptInfo</code></i>
----------------------------------	---

Description

Test if object is of class `InitScriptInfo`

Usage

`is.init_script_info(x)`

Arguments

`x` An object

Value

TRUE if the object inherits from the `InitScriptInfo` class.

is.job_task	<i>Test if object is of class JobTaskSettings</i>
-------------	---

Description

Test if object is of class JobTaskSettings

Usage

is.job_task(x)

Arguments

x An object

Value

TRUE if the object inherits from the JobTaskSettings class.

is.libraries	<i>Test if object is of class Libraries</i>
--------------	---

Description

Test if object is of class Libraries

Usage

is.libraries(x)

Arguments

x An object

Value

TRUE if the object inherits from the Libraries class.

is.library	<i>Test if object is of class Library</i>
------------	---

Description

Test if object is of class Library

Usage

is.library(x)

Arguments

x An object

Value

TRUE if the object inherits from the Library class.

is.lib_cran	<i>Test if object is of class CranLibrary</i>
-------------	---

Description

Test if object is of class CranLibrary

Usage

is.lib_cran(x)

Arguments

x An object

Value

TRUE if the object inherits from the CranLibrary class.

`is.lib_egg`*Test if object is of class EggLibrary*

Description

Test if object is of class EggLibrary

Usage

```
is.lib_egg(x)
```

Arguments

x An object

Value

TRUE if the object inherits from the EggLibrary class.

`is.lib_jar`*Test if object is of class JarLibrary*

Description

Test if object is of class JarLibrary

Usage

```
is.lib_jar(x)
```

Arguments

x An object

Value

TRUE if the object inherits from the JarLibrary class.

is.lib_maven	<i>Test if object is of class MavenLibrary</i>
--------------	--

Description

Test if object is of class MavenLibrary

Usage

is.lib_maven(x)

Arguments

x An object

Value

TRUE if the object inherits from the MavenLibrary class.

is.lib_pypi	<i>Test if object is of class PyPiLibrary</i>
-------------	---

Description

Test if object is of class PyPiLibrary

Usage

is.lib_pypi(x)

Arguments

x An object

Value

TRUE if the object inherits from the PyPiLibrary class.

`is.lib_whl`*Test if object is of class WhlLibrary*

Description

Test if object is of class WhlLibrary

Usage

```
is.lib_whl(x)
```

Arguments

x An object

Value

TRUE if the object inherits from the WhlLibrary class.

`is.new_cluster`*Test if object is of class NewCluster*

Description

Test if object is of class NewCluster

Usage

```
is.new_cluster(x)
```

Arguments

x An object

Value

TRUE if the object inherits from the NewCluster class.

is.notebook_task	<i>Test if object is of class NotebookTask</i>
------------------	--

Description

Test if object is of class NotebookTask

Usage

is.notebook_task(x)

Arguments

x An object

Value

TRUE if the object inherits from the NotebookTask class.

is.pipeline_task	<i>Test if object is of class PipelineTask</i>
------------------	--

Description

Test if object is of class PipelineTask

Usage

is.pipeline_task(x)

Arguments

x An object

Value

TRUE if the object inherits from the PipelineTask class.

is.python_wheel_task *Test if object is of class PythonWheelTask*

Description

Test if object is of class PythonWheelTask

Usage

is.python_wheel_task(x)

Arguments

x An object

Value

TRUE if the object inherits from the PythonWheelTask class.

is.run_job_task *Test if object is of class RunJobTask*

Description

Test if object is of class RunJobTask

Usage

is.run_job_task(x)

Arguments

x An object

Value

TRUE if the object inherits from the RunJobTask class.

is.s3_storage_info	<i>Test if object is of class S3StorageInfo</i>
--------------------	---

Description

Test if object is of class S3StorageInfo

Usage

is.s3_storage_info(x)

Arguments

x An object

Value

TRUE if the object inherits from the S3StorageInfo class.

is.spark_jar_task	<i>Test if object is of class SparkJarTask</i>
-------------------	--

Description

Test if object is of class SparkJarTask

Usage

is.spark_jar_task(x)

Arguments

x An object

Value

TRUE if the object inherits from the SparkJarTask class.

is.spark_python_task *Test if object is of class SparkPythonTask*

Description

Test if object is of class SparkPythonTask

Usage

```
is.spark_python_task(x)
```

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the SparkPythonTask class.

is.spark_submit_task *Test if object is of class SparkSubmitTask*

Description

Test if object is of class SparkSubmitTask

Usage

```
is.spark_submit_task(x)
```

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the SparkSubmitTask class.

is.sql_file_task	<i>Test if object is of class SqlFileTask</i>
------------------	---

Description

Test if object is of class SqlFileTask

Usage

is.sql_file_task(x)

Arguments

x An object

Value

TRUE if the object inherits from the SqlFileTask class.

is.sql_query_task	<i>Test if object is of class SqlQueryTask</i>
-------------------	--

Description

Test if object is of class SqlQueryTask

Usage

is.sql_query_task(x)

Arguments

x An object

Value

TRUE if the object inherits from the SqlQueryTask class.

is.valid_task_type	<i>Test if object is of class JobTask</i>
--------------------	---

Description

Test if object is of class JobTask

Usage

```
is.valid_task_type(x)
```

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the JobTask class.

is.vector_search_index_spec	<i>Test if object is of class VectorSearchIndexSpec</i>
-----------------------------	---

Description

Test if object is of class VectorSearchIndexSpec

Usage

```
is.vector_search_index_spec(x)
```

Arguments

x	An object
---	-----------

Value

TRUE if the object inherits from the VectorSearchIndexSpec class.

job_task	<i>Job Task</i>
----------	-----------------

Description

Job Task

Usage

```
job_task(  
  task_key,  
  description = NULL,  
  depends_on = c(),  
  existing_cluster_id = NULL,  
  new_cluster = NULL,  
  job_cluster_key = NULL,  
  task,  
  libraries = NULL,  
  email_notifications = NULL,  
  timeout_seconds = NULL,  
  max_retries = 0,  
  min_retry_interval_millis = 0,  
  retry_on_timeout = FALSE,  
  run_if = c("ALL_SUCCESS", "ALL_DONE", "NONE_FAILED", "AT_LEAST_ONE_SUCCESS",  
    "ALL_FAILED", "AT_LEAST_ONE_FAILED")  
)
```

Arguments

task_key	A unique name for the task. This field is used to refer to this task from other tasks. This field is required and must be unique within its parent job. On db_jobs_update() or db_jobs_reset() , this field is used to reference the tasks to be updated or reset. The maximum length is 100 characters.
description	An optional description for this task. The maximum length is 4096 bytes.
depends_on	Vector of task_key's specifying the dependency graph of the task. All task_key's specified in this field must complete successfully before executing this task. This field is required when a job consists of more than one task.
existing_cluster_id	ID of an existing cluster that is used for all runs of this task.
new_cluster	Instance of new_cluster() .
job_cluster_key	Task is executed reusing the cluster specified in db_jobs_create() with job_clusters parameter.
task	One of notebook_task() , spark_jar_task() , spark_python_task() , spark_submit_task() , pipeline_task() , python_wheel_task() .

libraries	Instance of libraries() .
email_notifications	Instance of email_notifications .
timeout_seconds	An optional timeout applied to each run of this job task. The default behavior is to have no timeout.
max_retries	An optional maximum number of times to retry an unsuccessful run. A run is considered to be unsuccessful if it completes with the FAILED result_state or INTERNAL_ERROR life_cycle_state. The value -1 means to retry indefinitely and the value 0 means to never retry. The default behavior is to never retry.
min_retry_interval_millis	Optional minimal interval in milliseconds between the start of the failed run and the subsequent retry run. The default behavior is that unsuccessful runs are immediately retried.
retry_on_timeout	Optional policy to specify whether to retry a task when it times out. The default behavior is to not retry on timeout.
run_if	The condition determining whether the task is run once its dependencies have been completed.

 job_tasks

Job Tasks

Description

Job Tasks

Usage

```
job_tasks(...)
```

Arguments

... Multiple Instance of tasks [job_task\(\)](#).

See Also

[db_jobs_create\(\)](#), [db_jobs_reset\(\)](#), [db_jobs_update\(\)](#)

libraries	<i>Libraries</i>
-----------	------------------

Description

Libraries

Usage

libraries(...)

Arguments

... Accepts multiple instances of `lib_jar()`, `lib_cran()`, `lib_maven()`, `lib_pypi()`, `lib_whl()`, `lib_egg()`.

Details

Optional list of libraries to be installed on the cluster that executes the task.

See Also

`job_task()`, `lib_jar()`, `lib_cran()`, `lib_maven()`, `lib_pypi()`, `lib_whl()`, `lib_egg()`
Other Task Objects: `condition_task()`, `email_notifications()`, `for_each_task()`, `new_cluster()`, `notebook_task()`, `pipeline_task()`, `python_wheel_task()`, `run_job_task()`, `spark_jar_task()`, `spark_python_task()`, `spark_submit_task()`, `sql_file_task()`, `sql_query_task()`
Other Library Objects: `lib_cran()`, `lib_egg()`, `lib_jar()`, `lib_maven()`, `lib_pypi()`, `lib_whl()`

lib_cran	<i>Cran Library (R)</i>
----------	-------------------------

Description

Cran Library (R)

Usage

lib_cran(package, repo = NULL)

Arguments

package The name of the CRAN package to install.
repo The repository where the package can be found. If not specified, the default CRAN repo is used.

See Also[libraries\(\)](#)Other Library Objects: [lib_egg\(\)](#), [lib_jar\(\)](#), [lib_maven\(\)](#), [lib_pypi\(\)](#), [lib_whl\(\)](#), [libraries\(\)](#)

`lib_egg`*Egg Library (Python)*

Description

Egg Library (Python)

Usage`lib_egg(egg)`**Arguments**

<code>egg</code>	URI of the egg to be installed. DBFS and S3 URIs are supported. For example: <code>dbfs:/my/egg</code> or <code>s3://my-bucket/egg</code> . If S3 is used, make sure the cluster has read access on the library. You may need to launch the cluster with an instance profile to access the S3 URI.
------------------	--

See Also[libraries\(\)](#)Other Library Objects: [lib_cran\(\)](#), [lib_jar\(\)](#), [lib_maven\(\)](#), [lib_pypi\(\)](#), [lib_whl\(\)](#), [libraries\(\)](#)

`lib_jar`*Jar Library (Scala)*

Description

Jar Library (Scala)

Usage`lib_jar(jar)`**Arguments**

<code>jar</code>	URI of the JAR to be installed. DBFS and S3 URIs are supported. For example: <code>dbfs:/mnt/databricks/library.jar</code> or <code>s3://my-bucket/library.jar</code> . If S3 is used, make sure the cluster has read access on the library. You may need to launch the cluster with an instance profile to access the S3 URI.
------------------	--

See Also

[libraries\(\)](#)
Other Library Objects: [lib_cran\(\)](#), [lib_egg\(\)](#), [lib_maven\(\)](#), [lib_pypi\(\)](#), [lib_whl\(\)](#), [libraries\(\)](#)

lib_maven	<i>Maven Library (Scala)</i>
-----------	------------------------------

Description

Maven Library (Scala)

Usage

```
lib_maven(coordinates, repo = NULL, exclusions = NULL)
```

Arguments

coordinates	Gradle-style Maven coordinates. For example: org.jsoup:jsoup:1.7.2.
repo	Maven repo to install the Maven package from. If omitted, both Maven Central Repository and Spark Packages are searched.
exclusions	List of dependencies to exclude. For example: list("slf4j:slf4j", "*:hadoop-client"). Maven dependency exclusions.

See Also

[libraries\(\)](#)
Other Library Objects: [lib_cran\(\)](#), [lib_egg\(\)](#), [lib_jar\(\)](#), [lib_pypi\(\)](#), [lib_whl\(\)](#), [libraries\(\)](#)

lib_pypi	<i>PyPi Library (Python)</i>
----------	------------------------------

Description

PyPi Library (Python)

Usage

```
lib_pypi(package, repo = NULL)
```

Arguments

package	The name of the PyPI package to install. An optional exact version specification is also supported. Examples: simplejson and simplejson==3.8.0.
repo	The repository where the package can be found. If not specified, the default pip index is used.

See Also

[libraries\(\)](#)

Other Library Objects: [lib_cran\(\)](#), [lib_egg\(\)](#), [lib_jar\(\)](#), [lib_maven\(\)](#), [lib_whl\(\)](#), [libraries\(\)](#)

lib_whl	<i>Wheel Library (Python)</i>
---------	-------------------------------

Description

Wheel Library (Python)

Usage

lib_whl(whl)

Arguments

whl	URI of the wheel or zipped wheels to be installed. DBFS and S3 URIs are supported. For example: dbfs:/my/whl or s3://my-bucket/whl. If S3 is used, make sure the cluster has read access on the library. You may need to launch the cluster with an instance profile to access the S3 URI. Also the wheel file name needs to use the correct convention. If zipped wheels are to be installed, the file name suffix should be .wheelhouse.zip.
-----	--

See Also

[libraries\(\)](#)

Other Library Objects: [lib_cran\(\)](#), [lib_egg\(\)](#), [lib_jar\(\)](#), [lib_maven\(\)](#), [lib_pypi\(\)](#), [libraries\(\)](#)

new_cluster	<i>New Cluster</i>
-------------	--------------------

Description

New Cluster

Usage

```
new_cluster(
    num_workers,
    spark_version,
    node_type_id,
    driver_node_type_id = NULL,
    autoscale = NULL,
    cloud_attrs = NULL,
    spark_conf = NULL,
    spark_env_vars = NULL,
    custom_tags = NULL,
    ssh_public_keys = NULL,
    log_conf = NULL,
    init_scripts = NULL,
    enable_elastic_disk = TRUE,
    driver_instance_pool_id = NULL,
    instance_pool_id = NULL,
    kind = c("CLASSIC_PREVIEW"),
    data_security_mode = c("NONE", "SINGLE_USER", "USER_ISOLATION", "LEGACY_TABLE_ACL",
        "LEGACY_PASSTHROUGH", "LEGACY_SINGLE_USER", "LEGACY_SINGLE_USER_STANDARD",
        "DATA_SECURITY_MODE_STANDARD", "DATA_SECURITY_MODE_DEDICATED",
        "DATA_SECURITY_MODE_AUTO")
)
```

Arguments

num_workers	Number of worker nodes that this cluster should have. A cluster has one Spark driver and num_workers executors for a total of num_workers + 1 Spark nodes.
spark_version	The runtime version of the cluster. You can retrieve a list of available runtime versions by using db_cluster_runtime_versions() .
node_type_id	The node type for the worker nodes. db_cluster_list_node_types() can be used to see available node types.
driver_node_type_id	The node type of the Spark driver. This field is optional; if unset, the driver node type will be set as the same value as node_type_id defined above. db_cluster_list_node_types() can be used to see available node types.
autoscale	Instance of cluster_autoscale() .
cloud_attrs	Attributes related to clusters running on specific cloud provider. Defaults to aws_attributes() . Must be one of aws_attributes() , azure_attributes() , gcp_attributes() .
spark_conf	Named list. An object containing a set of optional, user-specified Spark configuration key-value pairs. You can also pass in a string of extra JVM options to the driver and the executors via spark.driver.extraJavaOptions and spark.executor.extraJavaOptions respectively. E.g. list("spark.speculation" = true, "spark.streaming.ui.retainedBatches" = 5).

spark_env_vars	Named list. User-specified environment variable key-value pairs. In order to specify an additional set of SPARK_DAEMON_JAVA_OPTS, we recommend appending them to \$SPARK_DAEMON_JAVA_OPTS as shown in the following example. This ensures that all default Databricks managed environmental variables are included as well. E.g. {"SPARK_DAEMON_JAVA_OPTS": "\$SPARK_DAEMON_JAVA_OPTS -Dspark.shuffle.service.enabled=true"}
custom_tags	Named list. An object containing a set of tags for cluster resources. Databricks tags all cluster resources with these tags in addition to default_tags. Databricks allows at most 45 custom tags.
ssh_public_keys	List. SSH public key contents that will be added to each Spark node in this cluster. The corresponding private keys can be used to login with the user name ubuntu on port 2200. Up to 10 keys can be specified.
log_conf	Instance of <code>cluster_log_conf()</code> .
init_scripts	Instance of <code>init_script_info()</code> .
enable_elastic_disk	When enabled, this cluster will dynamically acquire additional disk space when its Spark workers are running low on disk space.
driver_instance_pool_id	ID of the instance pool to use for the driver node. You must also specify instance_pool_id. Optional.
instance_pool_id	ID of the instance pool to use for cluster nodes. If driver_instance_pool_id is present, instance_pool_id is used for worker nodes only. Otherwise, it is used for both the driver and worker nodes. Optional.
kind	The kind of compute described by this compute specification.
data_security_mode	Data security mode decides what data governance model to use when accessing data from a cluster.

See Also

`job_task()`

Other Task Objects: `condition_task()`, `email_notifications()`, `for_each_task()`, `libraries()`, `notebook_task()`, `pipeline_task()`, `python_wheel_task()`, `run_job_task()`, `spark_jar_task()`, `spark_python_task()`, `spark_submit_task()`, `sql_file_task()`, `sql_query_task()`

notebook_task	<i>Notebook Task</i>
---------------	----------------------

Description

Notebook Task

Usage

```
notebook_task(notebook_path, base_parameters = NULL)
```

Arguments

- notebook_path The absolute path of the notebook to be run in the Databricks workspace. This path must begin with a slash.
- base_parameters Named list of base parameters to be used for each run of this job.

Details

If the run is initiated by a call to [db_jobs_run_now\(\)](#) with parameters specified, the two parameters maps are merged. If the same key is specified in base_parameters and in run-now, the value from run-now is used.

Use Task parameter variables to set parameters containing information about job runs.

If the notebook takes a parameter that is not specified in the job’s base_parameters or the run-now override parameters, the default value from the notebook is used.

Retrieve these parameters in a notebook using `dbutils.widgets.get`.

See Also

Other Task Objects: [condition_task\(\)](#), [email_notifications\(\)](#), [for_each_task\(\)](#), [libraries\(\)](#), [new_cluster\(\)](#), [pipeline_task\(\)](#), [python_wheel_task\(\)](#), [run_job_task\(\)](#), [spark_jar_task\(\)](#), [spark_python_task\(\)](#), [spark_submit_task\(\)](#), [sql_file_task\(\)](#), [sql_query_task\(\)](#)

open_workspace	<i>Connect to Databricks Workspace</i>
----------------	--

Description

Connect to Databricks Workspace

Usage

```
open_workspace(host = db_host(), token = db_token(), name = NULL)
```

Arguments

- host Databricks workspace URL, defaults to calling [db_host\(\)](#).
- token Databricks workspace token, defaults to calling [db_token\(\)](#).
- name Desired name to assign the connection

Examples

```
## Not run:
open_workspace(host = db_host(), token = db_token, name = "MyWorkspace")

## End(Not run)
```

pipeline_task	<i>Pipeline Task</i>
---------------	----------------------

Description

Pipeline Task

Usage

```
pipeline_task(pipeline_id)
```

Arguments

pipeline_id The full name of the pipeline task to execute.

See Also

Other Task Objects: [condition_task\(\)](#), [email_notifications\(\)](#), [for_each_task\(\)](#), [libraries\(\)](#), [new_cluster\(\)](#), [notebook_task\(\)](#), [python_wheel_task\(\)](#), [run_job_task\(\)](#), [spark_jar_task\(\)](#), [spark_python_task\(\)](#), [spark_submit_task\(\)](#), [sql_file_task\(\)](#), [sql_query_task\(\)](#)

python_wheel_task	<i>Python Wheel Task</i>
-------------------	--------------------------

Description

Python Wheel Task

Usage

```
python_wheel_task(package_name, entry_point = NULL, parameters = list())
```

Arguments

package_name	Name of the package to execute.
entry_point	Named entry point to use, if it does not exist in the metadata of the package it executes the function from the package directly using <code>\$packageName.\$entryPoint()</code> .
parameters	Command-line parameters passed to python wheel task.

See Also

Other Task Objects: [condition_task\(\)](#), [email_notifications\(\)](#), [for_each_task\(\)](#), [libraries\(\)](#), [new_cluster\(\)](#), [notebook_task\(\)](#), [pipeline_task\(\)](#), [run_job_task\(\)](#), [spark_jar_task\(\)](#), [spark_python_task\(\)](#), [spark_submit_task\(\)](#), [sql_file_task\(\)](#), [sql_query_task\(\)](#)

<code>remove_lib_path</code>	<i>Remove Library Path</i>
------------------------------	----------------------------

Description

Remove Library Path

Usage

```
remove_lib_path(path, version = FALSE)
```

Arguments

- `path` Directory to remove from [.libPaths\(\)](#).
- `version` If TRUE will add the R version string to the end of path before removal.

See Also

[base::.libPaths\(\)](#), [remove_lib_path\(\)](#)

<code>run_job_task</code>	<i>Run Job Task</i>
---------------------------	---------------------

Description

Run Job Task

Usage

```
run_job_task(job_id, job_parameters, full_refresh = FALSE)
```

Arguments

- `job_id` ID of the job to trigger.
- `job_parameters` Named list, job-level parameters used to trigger job.
- `full_refresh` If the pipeline should perform a full refresh.

See Also

Other Task Objects: [condition_task\(\)](#), [email_notifications\(\)](#), [for_each_task\(\)](#), [libraries\(\)](#), [new_cluster\(\)](#), [notebook_task\(\)](#), [pipeline_task\(\)](#), [python_wheel_task\(\)](#), [spark_jar_task\(\)](#), [spark_python_task\(\)](#), [spark_submit_task\(\)](#), [sql_file_task\(\)](#), [sql_query_task\(\)](#)

s3_storage_info	<i>S3 Storage Info</i>
-----------------	------------------------

Description

S3 Storage Info

Usage

```
s3_storage_info(
    destination,
    region = NULL,
    endpoint = NULL,
    enable_encryption = FALSE,
    encryption_type = c("sse-s3", "sse-kms"),
    kms_key = NULL,
    canned_acl = NULL
)
```

Arguments

destination	S3 destination. For example: s3://my-bucket/some-prefix. You must configure the cluster with an instance profile and the instance profile must have write access to the destination. You cannot use AWS keys.
region	S3 region. For example: us-west-2. Either region or endpoint must be set. If both are set, endpoint is used.
endpoint	S3 endpoint. For example: https://s3-us-west-2.amazonaws.com. Either region or endpoint must be set. If both are set, endpoint is used.
enable_encryption	Boolean (Default: FALSE). If TRUE Enable server side encryption.
encryption_type	Encryption type, it could be sse-s3 or sse-kms. It is used only when encryption is enabled and the default type is sse-s3.
kms_key	KMS key used if encryption is enabled and encryption type is set to sse-kms.
canned_acl	Set canned access control list. For example: bucket-owner-full-control. If canned_acl is set, the cluster instance profile must have s3:PutObjectAcl permission on the destination bucket and prefix. The full list of possible canned ACLs can be found in docs . By default only the object owner gets full control. If you are using cross account role for writing data, you may want to set bucket-owner-full-control to make bucket owner able to read the logs.

See Also

[cluster_log_conf\(\)](#), [init_script_info\(\)](#)

Other Cluster Log Configuration Objects: [cluster_log_conf\(\)](#), [dbfs_storage_info\(\)](#)

Other Init Script Info Objects: [dbfs_storage_info\(\)](#), [file_storage_info\(\)](#)

spark_jar_task	<i>Spark Jar Task</i>
----------------	-----------------------

Description

Spark Jar Task

Usage

```
spark_jar_task(main_class_name, parameters = list())
```

Arguments

main_class_name	The full name of the class containing the main method to be executed. This class must be contained in a JAR provided as a library. The code must use SparkContext.getOrCreate to obtain a Spark context; otherwise, runs of the job fail.
parameters	Named list. Parameters passed to the main method. Use Task parameter variables to set parameters containing information about job runs.

See Also

Other Task Objects: [condition_task\(\)](#), [email_notifications\(\)](#), [for_each_task\(\)](#), [libraries\(\)](#), [new_cluster\(\)](#), [notebook_task\(\)](#), [pipeline_task\(\)](#), [python_wheel_task\(\)](#), [run_job_task\(\)](#), [spark_python_task\(\)](#), [spark_submit_task\(\)](#), [sql_file_task\(\)](#), [sql_query_task\(\)](#)

spark_python_task	<i>Spark Python Task</i>
-------------------	--------------------------

Description

Spark Python Task

Usage

```
spark_python_task(python_file, parameters = list())
```

Arguments

python_file	The URI of the Python file to be executed. DBFS and S3 paths are supported.
parameters	List. Command line parameters passed to the Python file. Use Task parameter variables to set parameters containing information about job runs.

See Also

Other Task Objects: [condition_task\(\)](#), [email_notifications\(\)](#), [for_each_task\(\)](#), [libraries\(\)](#), [new_cluster\(\)](#), [notebook_task\(\)](#), [pipeline_task\(\)](#), [python_wheel_task\(\)](#), [run_job_task\(\)](#), [spark_jar_task\(\)](#), [spark_submit_task\(\)](#), [sql_file_task\(\)](#), [sql_query_task\(\)](#)

spark_submit_task	<i>Spark Submit Task</i>
-------------------	--------------------------

Description

Spark Submit Task

Usage

spark_submit_task(parameters)

Arguments

parameters	List. Command-line parameters passed to spark submit. Use Task parameter variables to set parameters containing information about job runs.
------------	---

See Also

Other Task Objects: [condition_task\(\)](#), [email_notifications\(\)](#), [for_each_task\(\)](#), [libraries\(\)](#), [new_cluster\(\)](#), [notebook_task\(\)](#), [pipeline_task\(\)](#), [python_wheel_task\(\)](#), [run_job_task\(\)](#), [spark_jar_task\(\)](#), [spark_python_task\(\)](#), [sql_file_task\(\)](#), [sql_query_task\(\)](#)

sql_file_task	<i>SQL File Task</i>
---------------	----------------------

Description

SQL File Task

Usage

sql_file_task(path, warehouse_id, source = NULL, parameters = NULL)

Arguments

path	Path of the SQL file. Must be relative if the source is a remote Git repository and absolute for workspace paths.
warehouse_id	The canonical identifier of the SQL warehouse.
source	Optional location type of the SQL file. When set to WORKSPACE, the SQL file will be retrieved from the local Databricks workspace. When set to GIT, the SQL file will be retrieved from a Git repository defined in <code>git_source()</code> If the value is empty, the task will use GIT if <code>git_source()</code> is defined and WORKSPACE otherwise.
parameters	Named list of paramters to be used for each run of this job.

See Also

Other Task Objects: `condition_task()`, `email_notifications()`, `for_each_task()`, `libraries()`, `new_cluster()`, `notebook_task()`, `pipeline_task()`, `python_wheel_task()`, `run_job_task()`, `spark_jar_task()`, `spark_python_task()`, `spark_submit_task()`, `sql_query_task()`

sql_query_task	<i>SQL Query Task</i>
----------------	-----------------------

Description

SQL Query Task

Usage

```
sql_query_task(query_id, warehouse_id, parameters = NULL)
```

Arguments

query_id	The canonical identifier of the SQL query.
warehouse_id	The canonical identifier of the SQL warehouse.
parameters	Named list of paramters to be used for each run of this job.

See Also

Other Task Objects: `condition_task()`, `email_notifications()`, `for_each_task()`, `libraries()`, `new_cluster()`, `notebook_task()`, `pipeline_task()`, `python_wheel_task()`, `run_job_task()`, `spark_jar_task()`, `spark_python_task()`, `spark_submit_task()`, `sql_file_task()`

wait_for_lib_installs *Wait for Libraries to Install on Databricks Cluster*

Description

Wait for Libraries to Install on Databricks Cluster

Usage

```
wait_for_lib_installs(  
    cluster_id,  
    polling_interval = 5,  
    allow_failures = FALSE,  
    host = db_host(),  
    token = db_token()  
)
```

Arguments

cluster_id	Unique identifier of a Databricks cluster.
polling_interval	Number of seconds to wait between status checks
allow_failures	If FALSE (default) will error if any libraries status is FAILED. When TRUE any FAILED installs will be presented as a warning.
host	Databricks workspace URL, defaults to calling db_host() .
token	Databricks workspace token, defaults to calling db_token() .

Details

Library installs on Databricks clusters are asynchronous, this function allows you to repeatedly check installation status of each library.

Can be used to block any scripts until required dependencies are installed.

See Also

[db_libs_cluster_status\(\)](#)

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