



DDN Infinia

REST API Reference

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October 2024

REDAPI general REDAPI management APIs



GET /info Get description of supported API 

Parameters

[Try it out](#)

Name	Description
------	-------------

detailed boolean (query)	A query flag that indicates to use a new version of a specific method. This parameter saves backward compatibility, and the response creates a new format.
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Responses

Code	Description	Links
200	Get API information	<i>No links</i>

GET /version Provide description of supported API 

Parameters Try it out

Name	Description
libs string (query)	Trigger to include libraries information in the response. By default libraries are ignored. Value is a trigger, so any key, or no key is allowed.

libs - Trigger to include libraries information in the response.

Responses

Code	Description	Links
200	Get API information	<i>No links</i>

GET /metric Get metric of API 

Parameters Try it out

No parameters

Responses

Code	Description	Links
200	Get API information	<i>No links</i>

GET /accessible Get list of URI/methods accessible for logged in user 

Parameters**Try it out**

Name	Description
------	-------------

level
string
(header)

User level
level - User level

Responses

Code	Description	Links
------	-------------	-------

200 Get uri/methods list *No links*

GET /inventory Get description of supported API

**Parameters****Try it out**

No parameters

Responses

Code	Description	Links
------	-------------	-------

200 Get inventory data *No links*

PUT /inventory Run RED-discover to update inventory

**Parameters****Try it out**

No parameters

Responses

Code	Description	Links
200	Successful update of inventory data	<i>No links</i>

DELETE /inventory Delete current inventory from RED registry 

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Successful delete of inventory data	<i>No links</i>

DELETE /inventory/nodes/{node} Delete current inventory node from RED registry 

Parameters

Try it out

Name	Description
------	-------------

node * required

string
(path)

The identifier for node can be a UUID or hostname

node - The identifier for node can be a UUID

Name	Description
type-identity * required string (query)	The type identifier can be an ENUM value, UUID, or hostname. type-identity - The type identifier can be an E

Responses

Code	Description	Links
200	Deleted inventory node successfully	No links

DELETE /inventory/devices Delete device from RED registry 

Parameters

[Try it out](#)

Name	Description
device * required string (query)	the udid for device device - the udid for device

Responses

Code	Description	Links
200	Successful deleted inventory device	No links

GET /forward Get RED forwarding targets 

Parameters**Try it out**

Name	Description
------	-------------

targetname * required

string
(header)

targetname - Target name

targettype * required

string
(header)

targettype - Target type

Responses

Code	Description	Links
200	RED forwarding config returned successfully	No links

POST /forward Add new forwarding target **Parameters****Try it out**

No parameters

Request body required

application/json

Example Value Schema

```
{
  "target": "influxdb",
  "args": "{\"token\": \"deadbeef\", \"org\": \"ddn\" , \"bucket\": \"red\", \"url\": \"http://localhost:8086\", \"interval\": 1}"
}
```

Responses

Code	Description	Links
201	Forwarding target added successfully	No links

PUT /forward Update forwarding target 

Parameters

[Try it out](#)

No parameters

Request body required

application/json

Example Value Schema

```
{
  "target": "influxdb",
  "args": "{\"token\": \"deadbeef\", \"org\": \"ddn\" , \"bucket\": \"red\", \"url\": \"http://localhost:8086\", \"interval\": 1}"
}
```

Responses

Code	Description	Links
201	Forwarding target updated successfully	No links

DELETE /forward Delete forwarding target 

Parameters

[Try it out](#)

Name	Description
targetname * required string (header)	Target name targetname - Target name
targettype * required string (header)	Target type targettype - Target type

Responses

Code	Description	Links
200	Forwarding target deleted successfully	No links

GET /forward/metric/level Get RED forwarding metric level 

Parameters



No parameters

Responses

Code	Description	Links
200	Get RED forwarding metric level	No links

PUT /forward/metric/level RED set forwarding metric level 

Parameters**Try it out**

No parameters

Request body required**application/json****Example Value** Schema

```
{
  "target": "http://<hostname>:8086",
  "level": "low"
}
```

Responses

Code	Description	Links
200	Metric level updated successfully	<i>No links</i>

GET </forward/metric/level/all> Get all RED forwarding metric level
**Parameters****Try it out**

No parameters

Responses

Code	Description	Links
200	Get all RED forwarding metric level	<i>No links</i>

PUT </forward/metric/level/all> RED set all forwarding metric level
**Parameters**

[Try it out](#)

No parameters

Request body required**application/json****Example Value** Schema

```
{
  "level": "low"
}
```

Responses

Code	Description	Links
200	Metric level updated successfully	<i>No links</i>

GET /forward/metric/list Get RED forwarding metric list **Parameters**[Try it out](#)

No parameters

Responses

Code	Description	Links
200	Get RED forwarding metric list	<i>No links</i>

PUT /forward/metric/list RED set forwarding metric list **Parameters**[Try it out](#)

No parameters

Request body required

application/json

Example Value Schema

```
{
  "target": "http://<hostname>:8086",
  "metrics": [
    "memory",
    "cpu",
    "netdev"
  ]
}
```

Responses

Code	Description	Links
200	Metric list updated successfully	<i>No links</i>

GET /forward/metric/available Get available RED metric list

**Parameters****Try it out**

No parameters

Responses

Code	Description	Links
200	Get available RED metric list	<i>No links</i>

GET /prometheus/config Generate Prometheus config



Parameters**Try it out**

Name	Description
------	-------------

configinstances integer <i>(header)</i>	Number of Prometheus instances
--	--------------------------------

configinstances - Number of Prometheus inst

Responses

Code	Description	Links
200	Generate Prometheus config	<i>No links</i>

GET /daemons Get list of daemons from registry **Parameters****Try it out**

No parameters

Responses

Code	Description	Links
200	Get list of daemons success	<i>No links</i>

PUT /daemons Start or stop data services **Parameters****Try it out**

Name	Description
service string (query)	Start or stop the data service name. service - Start or stop the data service name.
startservice boolean (query)	Start data service(s). --
stopservice boolean (query)	Stop data service(s). --
hostname string (query)	Host name to start or stop data services. hostname - Host name to start or stop data s

Responses

Code	Description	Links
200	Successfully updated data service(s).	No links

GET /daemons/{daemon_uuid} Get list of daemons from registry 

Parameters

[Try it out](#)

Name	Description
daemon_uuid * required string (path)	Unique identifier daemon daemon_uuid - Unique identifier daemon

Responses

Code	Description	Links
200	Get daemons success	<i>No links</i>

POST /realm/etcd_snapshot Creates ETCD snapshots on realm etcd nodes 

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	ETCD snapshots are created	<i>No links</i>

PUT /realm/etcd_snapshot Restore ETCD from snapshot on realm etcd nodes 

Parameters

Try it out

Name	Description
------	-------------

snapshot * required

string
(header)

snapshot - Snapshot name to use for restore

Responses

Code	Description	Links
200	ETCD realm instances are restored	No links

REDAUTH REDAPI authentication management APIs



GET /auth_user Get authenticate user

Parameters

[Try it out](#)

Name	Description
level string (header)	User level level - User level
user_id * required string (header)	User unique identifier user_id - User unique identifier
password string (header)	User password password - User password
caps string (header)	User capabilities caps - User capabilities
identity string (header)	Identity service name identity - Identity service name

Responses

Code	Description	Links
200	JWT token	No links

GET /auth_openid_user Get authenticate OpenID user

Parameters

[Try it out](#)

Name	Description
level string (header)	User level
	level - User level
identity_id * required string (header)	Identity provider unique identifier
	identity_id - Identity provider unique identifier
openid_code * required string (header)	Code returned by openid identity provider
	openid_code - Code returned by openid iden

Responses

Code	Description	Links
200	JWT token and user_id	No links

GET /auth_openid_client Get OpenID client id

Parameters

[Try it out](#)

Name	Description
level string (header)	User level level - User level
identity_id * required string (header)	Identity provider unique identifier identity_id - Identity provider unique identifier

Responses

Code	Description	Links
200	OpenID client id	No links

[GET /user](#) Get a list of users 

Parameters

[Try it out](#)

Name	Description
user_id_optional string (header)	User unique identifier (optional) user_id_optional - User unique identifier (opti
level string (header)	User level level - User level
caps string	User capabilities

Name	Description
(header)	caps - User capabilities
identity string (header)	Identity service name
group string (header)	identity - Identity service name
email string (header)	User group
from string (header)	group - User group
filter string (header)	email - User email
keyword string (header)	Start listing from (optional)
limit integer (header)	from - Start listing from (optional)
	Partial text search (optional)
	filter - Partial text search (optional)
	Keyword text search (optional)
	keyword - Keyword text search (optional)
	Limit the size of listing (optional)
	limit - Limit the size of listing (optional)

Responses

Code	Description	Links
200	Get users list	No links

POST	/user Add user	
Parameters		Try it out
Name	Description	
level string (header)	User level	level - User level
user_id * required string (header)	User unique identifier	user_id - User unique identifier
name string (header)	User name	name - User name
email string (header)	User email	email - User email
password string (header)	User password	password - User password
newpass boolean (header)	Need password change on next login	--

Name	Description
caps string (header)	User capabilities caps - User capabilities
identity string (header)	Identity service name identity - Identity service name
groups string (header)	User groups (teams) groups - User groups (teams)

Responses

Code	Description	Links
200	User successfully reactivated	No links
201	User successfully added	No links

PUT /user Update user 

Parameters

Try it out

Name	Description
level string (header)	User level level - User level
user_id * required string	User unique identifier

Name	Description
(header)	user_id - User unique identifier
name string (header)	User name
email string (header)	name - User name
password string (header)	User email
password string (header)	email - User email
caps string (header)	User password
caps string (header)	password - User password
identity string (header)	User capabilities
identity string (header)	caps - User capabilities
groups string (header)	Identity service name
groups string (header)	identity - Identity service name
groups string (header)	User groups (teams)
groups string (header)	groups - User groups (teams)

Responses

Code	Description	Links
200	User successfully updated	No links

DELETE /user Delete user 

Parameters **Try it out**

Name	Description
level string (header)	User level level - User level
user_id * required string (header)	User unique identifier user_id - User unique identifier

Responses

Code	Description	Links
200	User successfully deleted	No links

PUT /user/grant Give resource access to user 

Parameters **Try it out**

Name	Description
level string (header)	User level level - User level
user_id * required string (header)	User unique identifier

Name	Description
	user_id - User unique identifier
caps string (header)	User capabilities caps - User capabilities

Responses

Code	Description	Links
200	Access successfully given	No links

PUT	/user/revoke	Revoke resource access from user	
Parameters		<a data-bbox="1305 1077 1436 1108" href="#">Try it out	
Name	Description		
level string (header)	User level level - User level		
user_id * required string (header)	User unique identifier user_id - User unique identifier		
caps string (header)	User capabilities caps - User capabilities		

Responses

Code	Description	Links
200	Access successfully revoked	No links

POST /user/change_password Change own password 

Parameters

Try it out

Name	Description
level string (header)	User level level - User level
user_id * required string (header)	User unique identifier user_id - User unique identifier
current_password * required string (header)	Current user password current_password - Current user password
new_password * required string (header)	New user password new_password - New user password

Responses

Code	Description	Links
200	Password updated	No links

Code	Description	Links					
POST	/user/ cert generate and sign certificate for user. ! ! ! IMPORTANT! This is an unsecure method! Change it to csr signing, when it will be available!						
Parameters		Try it out					
<table border="1"> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>level string <i>(header)</i></td><td>User level <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">level - User level</div></td></tr> <tr> <td>user_id * required string <i>(header)</i></td><td>User unique identifier <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">user_id - User unique identifier</div></td></tr> </tbody> </table>		Name	Description	level string <i>(header)</i>	User level <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">level - User level</div>	user_id * required string <i>(header)</i>	User unique identifier <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">user_id - User unique identifier</div>
Name	Description						
level string <i>(header)</i>	User level <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">level - User level</div>						
user_id * required string <i>(header)</i>	User unique identifier <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">user_id - User unique identifier</div>						
Responses							
<table border="1"> <thead> <tr> <th>Code</th><th>Description</th></tr> </thead> <tbody> <tr> <td>200</td><td>Here is a certificate with Key <i>No links</i></td></tr> </tbody> </table>		Code	Description	200	Here is a certificate with Key <i>No links</i>		
Code	Description						
200	Here is a certificate with Key <i>No links</i>						

GET	/user/group Get list groups				
Parameters		Try it out			
<table border="1"> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>level string <i>(header)</i></td><td>User level <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">level - User level</div></td></tr> </tbody> </table>		Name	Description	level string <i>(header)</i>	User level <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">level - User level</div>
Name	Description				
level string <i>(header)</i>	User level <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">level - User level</div>				

Name	Description
group string (header)	User group group - User group
from string (header)	Start listing from (optional) from - Start listing from (optional)
filter string (header)	Partial text search (optional) filter - Partial text search (optional)
keyword string (header)	Keyword text search (optional) keyword - Keyword text search (optional)
limit integer (header)	Limit the size of listing (optional) limit - Limit the size of listing (optional)

Responses

Code	Description	Links
200	Get groups list	No links

POST	/user/group	Add group	
Parameters		Try it out	

Name	Description
level string (header)	User level <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">level - User level</div>
group string (header)	User group <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">group - User group</div>
about string (header)	Group description <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">about - Group description</div>
caps string (header)	User capabilities <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">caps - User capabilities</div>

Responses

Code	Description	Links
200	Group successfully added	No links

PUT /user/group Update group 

Parameters

[Try it out](#)

Name	Description
level string (header)	User level

Name	Description
	level - User level
group string (header)	User group
	group - User group
about string (header)	Group description
	about - Group description
caps string (header)	User capabilities
	caps - User capabilities

Responses

Code	Description	Links
200	Group successfully updated	No links

DELETE /user/group Delete group 

Parameters		Try it out
Name	Description	
level string (header)	User level	
	level - User level	

Name	Description
group string (header)	User group group - User group

Responses

Code	Description	Links
200	Group successfully deleted	No links

GET /identity Get list of identity providers



Parameters

[Try it out](#)

Name	Description
level string (header)	User level level - User level

Responses

Code	Description	Links
200	Gets identity providers list	No links

POST /identity Add identity provider



Parameters**Try it out**

Name	Description
level string (header)	User level level - User level
identity_id * required string (header)	Identity provider unique identifier identity_id - Identity provider unique identifier
identity_type * required string (header)	Identity provider type (ad,ldap or openid) identity_type - Identity provider type (ad,ldap)
group string (header)	User group group - User group
about string (header)	Group description about - Group description

Request body required

text/plain

Example Value Schema

string

Responses

Code	Description	Links
201	Identity provider successfully added	No links
PUT	/identity Update identity provider	
Parameters		Try it out
Name	Description	
level string (header)	User level	level - User level
identity_id * required string (header)	Identity provider unique identifier	identity_id - Identity provider unique identifier
identity_type * required string (header)	Identity provider type (ad,ldap or openid)	identity_type - Identity provider type (ad,ldap
group string (header)	User group	group - User group
about string (header)	Group description	about - Group description
Request body required		text/plain
Example Value Schema		
string		

Responses

Code	Description	Links
200	Identity provider successfully updated	No links

DELETE /identity Delete identity provider 

Parameters

[Try it out](#)

Name	Description
------	-------------

level
string
(header)

level - User level

identity_id * required

string
(header)

identity_id - Identity provider unique identifier

Responses

Code	Description	Links
200	Identity provider successfully deleted	No links

POST /identity_mapping Add identity mapping 

Parameters**Try it out**

Name	Description
------	-------------

level
string
(header)

level - User level

identity_id * required
string
(header)

Identity provider unique identifier

identity_id - Identity provider unique identifier

group
string
(header)

User group

group - User group

group_filter * required
string
(header)

Group filter

group_filter - Group filter

Responses

Code	Description	Links
200	Identity mapping successfully added	No links

DELETE /identity_mapping Delete identity mapping

**Parameters****Try it out**

Name	Description
------	-------------

level
string

User level

Name	Description
(header)	level - User level
identity_id * required string	Identity provider unique identifier
(header)	identity_id - Identity provider unique identifier
group string	User group
(header)	group - User group

Responses

Code	Description	Links
200	Identity mapping successfully deleted	No links

GET /certs Get RED ca security certificate 

Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	Get security ca certificate	No links

POST /certs Install server security certificates 

Parameters**Try it out**

No parameters

Request body required**application/json****Example Value** Schema

```
{
  "server_cert": "string",
  "server_key": "string"
}
```

Responses

Code	Description	Links
200	Security certificates are successfully installed	<i>No links</i>

GET /red_client/config Get red client configuration

**Parameters****Try it out****Name** Description

level
string
(header)

level - User level

cert_name
string
(header)

cert_name - Client certificate name

Responses

Code	Description	Links
200	Returns red client configuration	No links

GET /client_certs Get list of client certificates 

Parameters

Try it out

Name	Description
level string (header)	User level level - User level
cert_name string (header)	Client certificate name cert_name - Client certificate name

Responses

Code	Description	Links
200	Gets client certificates list	No links

POST /client_certs Add client certificate 

Parameters

Try it out

Name	Description
level string (header)	User level level - User level
caps string (header)	User capabilities caps - User capabilities
cert_name string (header)	Client certificate name cert_name - Client certificate name
cert_expiration string (header)	Client certificate expiration cert_expiration - Client certificate expiration

Responses

Code	Description	Links
200	Client certificate successfully added	No links

PUT	/client_certs	Validate client certificate	
Parameters		Try it out	
No parameters			
Request body <small>required</small>		text/plain	
Example Value		Schema	

string

Responses

Code	Description	Links
200	Client certificate successfully validated	<i>No links</i>

DELETE /client_certs Delete client certificate**Parameters****Try it out**

Name	Description
level string (header)	User level level - User level
cert_name string (header)	Client certificate name cert_name - Client certificate name

Responses

Code	Description	Links
200	Client certificate successfully deleted	<i>No links</i>

GET /clusters/{cluster_name}/groups Get all user groups 

Parameters Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; display: inline-block;">cluster_name - Unique identifier for cluster</div>
group string (header)	User group <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; display: inline-block;">group - User group</div>
next string (header)	Listing next option to continue (optional) <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; display: inline-block;">next - Listing next option to continue (optional)</div>
filter string (header)	Partial text search (optional) <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; display: inline-block;">filter - Partial text search (optional)</div>
keyword string (header)	Keyword text search (optional) <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; display: inline-block;">keyword - Keyword text search (optional)</div>
limit integer (header)	Limit the size of listing (optional) <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; display: inline-block;">limit - Limit the size of listing (optional)</div>
verbose boolean (query)	Log verbose information <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; display: inline-block;">--</div>

Name	Description
tenants string (query)	List of tenants tenants - List of tenants

Responses

Code	Description	Links
200	Get all user groups	No links

LICENSE REDAPI license management APIs



GET /license Get current license



Parameters

[Try it out](#)

Name	Description
license_field * required string (header)	License field license_field - License field

Responses

Code	Description	Links
200	Gets current license	No links

POST /license Install license 

Parameters **Try it out**

No parameters

Request body required text/plain

Example Value Schema

string

Responses

Code	Description	Links
200	License successfully installed	<i>No links</i>

POST /license_generate Generate license 

Parameters **Try it out**

No parameters

Request body required text/plain

Example Value Schema

string

Responses

Code	Description	Links
200	License successfully generated	No links

GET /license_request Get the license request 

Parameters



Name	Description
activation_token string (header)	License activation token <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">activation_token - License activation token</div>
regenerate boolean (header)	Regenerate realm uuid(guid) <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">--</div>

Responses

Code	Description	Links
200	Gets the license request	No links

GET /license_status Get license validity and compliance 

Parameters



No parameters

Responses

Code	Description	Links
200	Gets the license status	<i>No links</i>

GET /license_check Get the license validity and compliance 

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Gets the license status	<i>No links</i>

GET /license_eula Get current EULA agreement 

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Gets current EULA agreement date	<i>No links</i>

Code	Description	Links						
404	EULA agreement not found	No links						
POST	<code>/license_eula</code> Set EULA agreement							
Parameters <div style="float: right;">Try it out</div>								
No parameters								
Responses								
<table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Links</th></tr> </thead> <tbody> <tr> <td>200</td><td>EULA agreement successfully set</td><td>No links</td></tr> </tbody> </table>			Code	Description	Links	200	EULA agreement successfully set	No links
Code	Description	Links						
200	EULA agreement successfully set	No links						

CLUSTERS REDAPI cluster management APIs



GET	<code>/clusters</code> Get list of clusters											
Parameters <div style="float: right;">Try it out</div>												
<table border="1"> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>detailed boolean (query)</td><td>A query flag that indicates to use a new version of a specific method. This parameter saves backward compatibility, and the response creates a new format.</td></tr> <tr> <td>--</td><td></td></tr> <tr> <td>verbose boolean (query)</td><td>log verbose information</td></tr> <tr> <td>--</td><td></td></tr> </tbody> </table>			Name	Description	detailed boolean (query)	A query flag that indicates to use a new version of a specific method. This parameter saves backward compatibility, and the response creates a new format.	--		verbose boolean (query)	log verbose information	--	
Name	Description											
detailed boolean (query)	A query flag that indicates to use a new version of a specific method. This parameter saves backward compatibility, and the response creates a new format.											
--												
verbose boolean (query)	log verbose information											
--												

Responses

Code	Description	Links
200	Get all clusters	No links

Media type

application/json

Examples

success

Controls Accept header.

Example Value Schema

```
{
  "cluster1": "http://10.25.116.164/redapi/v1/clusters/cluster1"
}
```

Example Description

Clusters list example

POST /clusters Create a new cluster 

Generates a RED cluster object

Parameters

Try it out

No parameters

Request body required

application/json**Example Value** Schema

```
{
  "clustername": "cluster1",
  "device-include": "nvme:*",
  "device-exclude": "*:/dev/sd*, *:/var/lib/red/*"
}
```

Responses

Code	Description	Links
201	Success - new cluster added	No links

Media type

application/json

Examples

success

Controls Accept header.

Example Value Schema

```
{
  "cluster1": "http://10.25.116.164/redapi/v1/clusters/cluster1"
}
```

Example Description

Clusters list example

GET**/clusters/{cluster_name}/capacity_percent** Get the capacity percentage

Parameters

Try it out**Name****Description****cluster_name** * required

string

(path)

Unique identifier for cluster

cluster_name - Unique identifier for cluster

Responses

Code	Description	Links
200	Get cluster capacity percent	No links
GET	/clusters/{cluster_name} Get a single cluster	
Parameters		
Name	Description	
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	
verbose boolean (query)	log verbose information --	
with-status boolean (query)	Add status and capacity information --	
Responses		
Code	Description	Links
200	Return cluster by name	No links
Media type <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> Examples <div style="border: 1px solid black; padding: 2px; display: inline-block;">success</div>		
Controls Accept header. Example Value Schema		
<pre>{ "cmelect": {</pre>		

Code	Description	Links
<pre>": { "f68e2e7839e779": { "candidate_election_stime": 1710176624641, "candidate_instance_id": 2, "candidate_uuid": "8e5ec3e6-f321-49b1-a2b2-17ddfdbae152" }, "f68e2e7839e78f": { "candidate_election_stime": 1710176625284, "candidate_instance_id": 1, "candidate_uuid": "3806135f-5894-483e-84a5-b159de53f28c" } }, "configs": { "auto_config": { "clients": { "default": { "interfaces": [{ "device_name": "eth*", "networks": ["0784b796-6cbc-4ff9-ae5f-7cfa44f08d98"] }] } } } }</pre>		

Example Description

Get cluster by name

DELETE /clusters/{cluster_name} Delete the cluster with specified id



Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
is-ignore-errors boolean (query)	--

Responses

Code	Description	Links
200	Successfully deleted cluster	No links

POST /clusters/{cluster_name}/start Start all instances for cluster



Parameters

[Try it out](#)

Name	Description
------	-------------

cluster_name * required

string
(path)

cluster_name - Unique identifier for cluster

Responses

Code	Description	Links
200	Start all instances by id for specified cluster	No links

Media type

Examples

[application/json](#)

[success](#)

Controls Accept header.

Example Value Schema

```
[  
  true,  
  true,  
  true,  
  true  
]
```

Example Description

Cluster start example

POST /clusters/{cluster_name}/stop Stop all instances for cluster 

Parameters **Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
hard boolean (query)	Hard stop sends sigkill to each instance. --

Responses

Code	Description	Links
200	Stop all instances by id for specified cluster	No links

GET /clusters/{cluster_name}/status Get status of all instances in cluster runtime 

Parameters **Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
verbose boolean (query)	log verbose information --

Responses

Code	Description	Links
200	Get cluster status	No links

Media type

application/json

Examples

success

Controls Accept header.

Example Value Schema

```
{
  "cluster_state": "running",
  "cluster_state_epoch": 13,
  "sce": 13,
  "cce": 13,
  "rde": 9,
  "ede": 0,
  "opu": 1661548363776,
  "feature_version": "1.0.5-beta.14722",
  "config_frozen": false,
  "cmsce": 2,
  "cmidx": 2,
  "cmuuid": "3d2ca431-e2dd-49c1-9b14-72a4b928961a",
  "instances": {
    "1": {
      "uuid": "7a00b256-09ef-4572-87d1-91ac32a60630",
      "joined": true,
      "evicted": false,
      "replay": false,
      "left": false,
      "liveness": "present",
      "hostname": "infinia-redvm-1",
      "sw_version": "1.0.5-beta.14722"
    },
    "2": {
      "uuid": "e2fa121b-be97-4b1c-a154-45daa78a778b",
      "joined": true,
      "evicted": false,
    }
  }
}
```

Example Description

Get cluster status

GET /clusters/{cluster_name}/health Get health of cluster

**Parameters****Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
verbose boolean (query)	log verbose information --

Responses

Code	Description	Links
200	Get cluster health Media type application/json Examples success Controls Accept header. Example Value Schema <pre>{ "cluster_state": "running", "cluster_state_epoch": 13, "sce": 13, "cce": 13, "rde": 9, "ede": 0, "opu": 1713322852352, "feature_version": "1.0.5-beta.14722", "config_frozen": false, "cmsce": 2, "cmidx": 2, "cmuuid": "3d2ca431-e2dd-49c1-9b14-72a4b928961a", "instances": { "valid": 2, "joined": 2, "replay": 0, "evicted": 0, "left": 0, "failed": 0 }, "unhealthy_instances": [], "cats": { "valid": 8, "joined": 8, "left": 0 } }</pre>	No links

Code	Description	Links
	<pre>"evicted": 0, "readable": 8,</pre> <p>Example Description</p> <p>Get cluster health</p>	
POST	/clusters/{cluster_name}/dump Generate required dumps	
Parameters		Try it out
Name	Description	
cluster_name * required <i>string (path)</i>	Unique identifier for cluster <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">cluster_name - Unique identifier for cluster</div>	
nodes <i>string (query)</i>	List of host name(s). <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">nodes - List of host name(s).</div>	
target <i>string (query)</i>	List of agents. <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">target - List of agents.</div>	
traces <i>boolean (query)</i>	Request dump traces. <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">--</div>	
reason <i>string (query)</i>	Dump reason. <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">reason - Dump reason.</div>	
cores <i>boolean (query)</i>	Request dump cores. <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">--</div>	
memory	Request dump memory.	

Name	Description
boolean (query)	--
profile boolean (query)	Dump management server profile data.
coreimage boolean (query)	--
	Dump RED core image.
	--

Responses

Code	Description	Links
201	Generate required dumps.	No links

DELETE /clusters/{cluster_name}/dump Delete old dumps 

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster

cluster_name - Unique identifier for cluster

Responses

Code	Description	Links
200	Successfully deleted dumps	No links

POST /clusters/{cluster_name}/logs Upload cluster logs 

Parameters

[Try it out](#)

Name	Description
------	-------------

cluster_name * required
string
(path)

Unique identifier for cluster

cluster_name - Unique identifier for cluster

caseid
string
(query)

Log file will be tagged with specified case ID

caseid - Log file will be tagged with specified

backend
string
(query)

Backend to upload logs (ddn_development, ddn_production, local_directory)

backend - Backend to upload logs (ddn_deve

logpath
string
(query)

Local directory to store log bundle

logpath - Local directory to store log bundle

nodes
string
(query)

List of host name(s)

nodes - List of host name(s)

instances
string
(query)

List of instance(s)

instances - List of instance(s)

Name	Description
target string (query)	List of agents target - List of agents
traces boolean (query)	Request dump traces --
reason string (query)	Request dump traces reason reason - Request dump traces reason
cores boolean (query)	Request dump cores --
memory boolean (query)	Request dump memory --
profile boolean (query)	Dump management server profile data --
waitgraph boolean (query)	Dump waitgraph --
coreimage boolean (query)	Dump RED core image --
level string (query)	<i>Available values : -L, light, -M, medium, -H, heavy, callhome_daily, callhome_init, callhome_ftdc</i> <i>Default value : medium</i> medium
disablerealmlm boolean	Upload cluster logs only

Name	Description
(query)	--
sosdata boolean (query)	Collect sos report with log bundle --

Responses

Code	Description	Links
201	Upload cluster logs	No links

Media type

application/json

Examples

success

Controls Accept header.

Example Value Schema

```
{
  "uuid": "d029a810-e5c1-4f61-8360-61b8f5a4fd8d",
  "file_url": "/var/log/red/uploads/medium_20240305130217-5f18ef6e-8197-472d-9f3b-b2a598cb44e7.tar",
  "node_fs_stats": [
    {
      "err": "",
      "node_name": "rednode-1",
      "free_amount": 65555226624,
      "total_amount": 96450166784,
      "fspath": "/"
    },
    {
      "err": "<head><title>502 Bad Gateway</title></head>...",
      "node_name": "rednode-2",
      "free_amount": 0,
      "total_amount": 0,
      "fspath": "/"
    }
  ]
}
```

Example Description

Clusters logs example

GET /clusters/{cluster_name}/monitor_stats Return monitor stats for cluster



Parameters**Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
verbose boolean (query)	log verbose information --

Responses

Code	Description	Links
200	Get monitor stats for a cluster name Media type application/json Controls Accept header. Example Value Schema (no example available)	No links

GET `/clusters/{cluster_name}/is_running` Check for running cluster 

Parameters**Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster

Name	Description
cluster_name - Unique identifier for cluster	

Responses

Code	Description	Links
200	<p>Get running status for a cluster name</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>true</pre>	No links

GET /clusters/{cluster_name}/configs Get all configs for cluster 

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster

cluster_name - Unique identifier for cluster

Responses

Code	Description	Links
200	<p>Get all configs for a cluster name</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Examples</p> <div style="border: 2px solid black; padding: 2px; display: inline-block;">success</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "auto_config": "http://10.25.116.164/redapi/v1/clusters/red01/configs/auto_config" }</pre> <p>Example Description</p> <p>Cluster configs example</p>	No links

GET	/clusters/{cluster_name}/configs/{config_name}	Return requested config for cluster			
Parameters		Try it out			
Name	Description				
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster				
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config with				
verbose boolean (query)	log verbose information --				

Responses

Code	Description	Links
200	Get config by name for specified cluster	No links

Media type

application/json

Examples

success

Controls Accept header.

Example Value

Schema

```
{
  "config": {
    "cluster_uuid": "5f652d90-1658-40e1-8efe-7be658242f76",
    "config": "auto_config",
    "networks": {
      "0c7d91e5-f740-43f3-84c9-0a030d6f8867": {
        "type": "roce",
        "name": "roce-auto",
        "tags": [
          "NVME_DATA_SERVICE",
          "NFS_DATA_SERVICE",
          "SQL_DATA_SERVICE",
          "SMB_DATA_SERVICE",
          "REDFS_DATA_SERVICE"
        ],
        "policy": {
          "backup": false,
          "encryption": false,
          "cq_nentries": 16384,
          "max_cq_count": 64,
          "eq_nentries": 100,
          "weight": 100
        },
        "subnet": ""
      },
      "dbfdfab3-38c6-420e-8f19-149f49932934": {
        "type": "tcp",
        "name": "tcp-auto",
      }
    }
  }
}
```

Example Description

Cluster config example

PUT /clusters/{cluster_name}/configs/{config_name} Update a specific config for cluster



Parameters

[Try it out](#)

Name	Description
cluster_name * required	Unique identifier for cluster

Name	Description
string (path)	cluster_name - Unique identifier for cluster
config_name * required	Unique identifier for config within a cluster
string (path)	config_name - Unique identifier for config with
is-populate boolean (query)	--
is-propose boolean (query)	--
initinstances boolean (query)	If true with is-propose true, initialize runtime config the instance data so the cluster can be started.
	--

Responses

Code	Description	Links
200	Update config by name for specified cluster	No links

DELETE /clusters/{cluster_name}/configs/{config_name} Delete config in cluster



Parameters

Try it out

Name	Description
cluster_name * required	Unique identifier for cluster
string (path)	cluster_name - Unique identifier for cluster

Name	Description
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config witl

Responses

Code	Description	Links
200	Successfully deleted config	No links

GET /clusters/{cluster_name}/configs/{config_name}
 /cats Get list of CATs for cluster and config



Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config witl
pool string (header)	Name or UUID of a pool within a cluster and config pool - Name or UUID of a pool within a cluste
from string (header)	Start listing from (optional) from - Start listing from (optional)

Name	Description
<code>filter string (header)</code>	Partial text search (optional) filter - Partial text search (optional)
<code>keyword string (header)</code>	Keyword text search (optional) keyword - Keyword text search (optional)
<code>limit integer (header)</code>	Limit the size of listing (optional) limit - Limit the size of listing (optional)

Responses

Code	Description	Links
200	List CATs for specified cluster and config	No links
GET /clusters/{cluster_name}/configs/{config_name}/dp_profile	Get list of dp_profiles for cluster and config	

Parameters

[Try it out](#)

Name	Description
<code>cluster_name * required string (path)</code>	Unique identifier for cluster cluster_name - Unique identifier for cluster
<code>config_name * required string (path)</code>	Unique identifier for config within a cluster config_name - Unique identifier for config with

Name	Description
detailed boolean (query)	Return detailed profiles --

Responses

Code	Description	Links
200	Get dp_profiles for specified cluster and config	No links

Media type

Examples

application/json**success**

Controls Accept header.

Example Value Schema

```
{
  "cm": {
    "1": "SYSTEM_DATA_1"
  }
}
```

Example Description

Cluster dp_profile example

GET`/clusters/{cluster_name}/configs/{config_name}/dp_profile/{dp_profile_name}`

Get specified dp_profile for cluster and config



Parameters

Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster

Name	Description
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config with
dp_profile_name * required string (path)	Unique identifier for dp_profile within a cluster dp_profile_name - Unique identifier for dp_pr

Responses

Code	Description	Links
200	<p>Get specified dp_profile for cluster and config</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Examples</p> <div style="border: 2px solid black; padding: 2px; display: inline-block;">success</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "cm": { "availability": 0, "data_ltid": 3, "data_poolid": 1, "efficiency": 0, "id": 1, "max_stripe": 0, "meta_ltid": 2, "meta_poolid": 1, "min_stripe": 0, "n_write_later": 0, "name": "SYSTEM_DATA_1", "policy_id": 3, "protection": 0, "spare_count": 0, "t_read_max": 0, "t_write_max": 0 } }</pre> <p>Example Description</p>	No links

Code	Description	Links
dp_profile example		
POST	/clusters/{cluster_name}/configs/{config_name}/dp_profile/{dp_profile_name}	Create a dp_profile for specified config for cluster 
Parameters		Try it out
Name	Description	
cluster_name * required	Unique identifier for cluster	cluster_name - Unique identifier for cluster
string (path)		
config_name * required	Unique identifier for config within a cluster	config_name - Unique identifier for config with
string (path)		
dp_profile_name * required	Unique identifier for dp_profile within a cluster	dp_profile_name - Unique identifier for dp_pr
string (path)		
Responses		
Code	Description	Links
201	Create a dp_profile for specified config for cluster	No links

PUT	/clusters/{cluster_name}/configs/{config_name}/dp_profile/{dp_profile_name}/rename/{new_profile_name}	Rename a dp_profile 
Parameters		Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config with
dp_profile_name * required string (path)	Unique identifier for dp_profile within a cluster dp_profile_name - Unique identifier for dp_pr
new_profile_name * required string (path)	Unique identifier for dp_profile within a cluster new_profile_name - Unique identifier for dp_p

Responses

Code	Description	Links
200	Rename dp_profile	No links

POST	/clusters/{cluster_name}/configs/{config_name}/dp_profile/{dp_profile_name}/ext	Create a dp_profile for specified config for cluster	
------	---	--	---

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster

Name	Description
	cluster_name - Unique identifier for cluster
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config with
dp_profile_name * required string (path)	Unique identifier for dp_profile within a cluster dp_profile_name - Unique identifier for dp_pr

Responses

Code	Description	Links
201	Create a dp_profile for specified config for cluster	No links

GET /configs/params/{cluster_name} Get default creation params for specified cluster 

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
availability-rank string (query)	Rank used for auto generated dataset profiles availability-rank - Rank used for auto generat

Responses

Code	Description	Links
------	-------------	-------

200	Get config create params by name for specified cluster	No links
-----	--	----------

Media type

Examples

application/json**success**

Controls Accept header.

Example Value Schema

```
{
  "auto_build_config": false,
  "tunables": {
    "agent_max_respawn": 600,
    "liveness_timeout": 8,
    "replan_timeout": 180,
    "cm_lease_timeout": 5,
    "gossip_us_per_tick": 250000,
    "cap_gossip_us_per_tick": 2500000,
    "capacity_limit_wrt_reject_pcnt": 90,
    "capacity_limit_del_reject_pcnt": 95,
    "capacity_limit_stall_pcnt": 85,
    "etc_vector_size": 32,
    "c2s_credit_high": 64,
    "c2s_credit_low": 64,
    "s2s_credit_high": 4294967295,
    "s2s_credit_low": 4294967295,
    "dlm_credit_high": 4294967295,
    "dlm_credit_low": 4294967295,
    "scr_evict_ping_tout_ms": 20000,
    "scr_evict_ccce_tout_ms": 100000,
    "scr_evict_lkrply_tout_ms": 300000,
    "sched_task_quantum_us": 200,
    "rpc_rdma_pool_sz": 1500,
    "rpc_s2s_credits": 32,
    "rpc_big_cluster_sz": 10,
    "rpc_max_core_cons": 4000,
    "rpc_workers": 3,
  }
}
```

Example Description

Cluster config params example

GET /clusters/{cluster_name}/leader Get cluster leader 

Parameters**Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster

Responses

Code	Description	Links
200	Get instance id of cluster leader Media type application/json Controls Accept header. Example Value Schema 3	No links

PUT	/clusters/{cluster_name}/desired_config /{config_name}	Update desired config definition for cluster	
Parameters		Try it out	

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config witl

Name	Description
initinstances boolean (query)	If true, initialize runtime config with instance data so cluster can be started. --

Responses

Code	Description	Links
200	Successfully updated desired config	No links

GET /clusters/{cluster_name}/instances Get instances for cluster 

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster

Responses

Code	Description	Links
200	Get all instances for a cluster name	No links

Media type

Examples

[application/json](#)

[success](#)

Controls Accept header.

Code	Description	Links
Example Value	Schema	
	<pre>{ "285735c7-fab3-4f49-87d7-8e1a2c496348": "http://10.25.116.98/redapi/v1/clusters/red01/instances/285735c7- fab3-4f49-87d7-8e1a2c496348", "d4fc9e8f-1f80-4111-b2e7-07b634c4ebd8": "http://10.25.116.98/redapi/v1/clusters/red01/instances/d4fc9e8f- 1f80-4111-b2e7-07b634c4ebd8", "f539aa3a-bd31-4cb6-9092-a280ec16ed1a": "http://10.25.116.98/redapi/v1/clusters/red01/instances/f539aa3a- bd31-4cb6-9092-a280ec16ed1a", "f6c77f34-aad5-464e-b302-6e4ea800f8be": "http://10.25.116.98/redapi/v1/clusters/red01/instances/f6c77f34- aad5-464e-b302-6e4ea800f8be" }</pre>	

Example Description

Cluster instances example

GET /clusters/{cluster_name}/instances/{instance_id} Get a single instance for cluster



Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
instance_id * required string (path)	Unique identifier for instance instance_id - Unique identifier for instance

Responses

Code	Description	Links
200	Get instance by id for specified cluster	No links

Code	Description	Links
Media type	Examples	
application/json	success	
Controls Accept header.		
Example Value	Schema	
	<pre>{ "instance_id": 3, "hostuuid": "0943e822-3986-41f3-bf5a-115bff0f919c", "hostname": "infinia-redvm-3", "cat_cpuset": "0x2", "handler_cpuset": "0x2", "net_cpuset": "0x2", "nvmf_cpuset": "0x2", "auxiliary_cpuset": "0x2", "posix_cpuset": "0x1", "spdk_main_cpuset": "0x2", "spdk_memory": 0, "spdk_legacy_mem": false, "jrpc_settings": { "base": 3102, "count": 1, "worker_count": 12 }, "non_affine_mem_fatal": false, "rpc_s2s_timeout_sec": 0, "rpc_c2s_timeout_sec": 0, "interfaces": { "dontuseme0": { "numanode": 4294967295, "enabled": false, "sriv": { "function": "none", "parent device": "" } } } }</pre>	
Example Description		
Cluster instance example		
POST	/clusters/{cluster_name}/instances/{instance_id}/start	Start a single instance for cluster 
Parameters		Try it out
Name	Description	
cluster_name * required string (path)	Unique identifier for cluster	cluster_name - Unique identifier for cluster

Name	Description
instance_id * required string (path)	Unique identifier for instance instance_id - Unique identifier for instance

Responses

Code	Description	Links
200	Start instance by id for specified cluster Media type application/json Controls Accept header. Example Value Schema true	No links

POST	/clusters/{cluster_name}/instances/{instance_id} /stop	Stop a single instance for cluster	
------	---	------------------------------------	--

Parameters	Try it out
------------	------------

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
instance_id * required string (path)	Unique identifier for instance instance_id - Unique identifier for instance

Responses

Code	Description	Links
200	Stop instance by id for specified cluster	No links

Media type

application/json

Controls Accept header.

Example Value Schema

true

GET`/clusters/{cluster_name}/instances/{instance_id}`
`/status`Get a single instance status for
cluster

Parameters

Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
instance_id * required string (path)	Unique identifier for instance instance_id - Unique identifier for instance

Responses

Code	Description	Links
200	<p>Get instance by id for specified cluster</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Examples</p> <div style="border: 2px solid black; padding: 2px; display: inline-block;">success</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "cluster": "red01", "instance": "285735c7-fab3-4f49-87d7-8e1a2c496348", "state": "down" }</pre> <p>Example Description</p> <p>Cluster instance status example</p>	No links

GET	/clusters/{cluster_name}/configs/{config_name}/pools	Get all pools for cluster					
Parameters		Try it out					
<table> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>cluster_name * required string (path)</td><td>Unique identifier for cluster</td></tr></tbody> </table>				Name	Description	cluster_name * required string (path)	Unique identifier for cluster
Name	Description						
cluster_name * required string (path)	Unique identifier for cluster						
<table> <tbody> <tr> <td>cluster_name * required string (path)</td><td>cluster_name - Unique identifier for cluster</td></tr> </tbody> </table>				cluster_name * required string (path)	cluster_name - Unique identifier for cluster		
cluster_name * required string (path)	cluster_name - Unique identifier for cluster						
<table> <tbody> <tr> <td>config_name * required string (path)</td><td>Unique identifier for config within a cluster</td></tr> </tbody> </table>				config_name * required string (path)	Unique identifier for config within a cluster		
config_name * required string (path)	Unique identifier for config within a cluster						
<table> <tbody> <tr> <td>config_name * required string (path)</td><td>config_name - Unique identifier for config with</td></tr> </tbody> </table>				config_name * required string (path)	config_name - Unique identifier for config with		
config_name * required string (path)	config_name - Unique identifier for config with						
<h3>Responses</h3>							

Code	Description	Links
200	Get all pools for a cluster name	No links

Media type

application/json

Examples

success

Controls Accept header.

Example Value Schema

```
{
  "19521219-d5fe-4319-b084-ec37ce3826e6": {
    "pool_id": 1,
    "name": "SYSTEM",
    "bulk_size": 262144,
    "obj_size": 0,
    "fanout": 0,
    "sys_meta": true,
    "user_meta": true,
    "user_data": true,
    "device_open_retries": 4,
    "device_replacement": false,
    "cat_map": {
      "0bdca466-a01d-4946-8671-69a179f62c59": {
        "udid": "infinia-redvm-2:/dev/
      },
      "sde": {
        "capacity": 129879769088,
        "layout_weight": 1,
        "bept_fanout": 28,
        "obj_size": 65536,
        "bulk_size": 262144,
        "intlg_size": 1073741824,
        "heap_size": 0,
        "bulk_cachesz": 107374182,
        "bept_cachesz": 214748364,
        "bept_dirtythd": 75,
        "bept_qcachesz": 0,
        "reinit": 1,
      }
    }
  }
}
```

Example Description

Cluster config pools example

POST [/clusters/{cluster_name}/configs/{config_name}/pools](#) Create a pool 

Parameters**Try it out**

Name	Description	
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config with	
Request body required	text/plain	
Example Value	Schema string	
Responses		
Code	Description	Links
201	Pool created	No links
GET	/clusters/{cluster_name}/configs/{config_name}/pools/{pool_uuid}	Get a single pool for cluster 
Parameters		
Try it out		
Name	Description	
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	

Name	Description
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config witl
pool_uuid * required string (path)	Unique identifier for pool within a cluster and config pool_uuid - Unique identifier for pool within a

Responses

Code	Description	Links
200	Get pool by id for specified cluster Media type application/json Examples success Controls Accept header. Example Value Schema <pre>{ "pool_id": 1, "name": "SYSTEM", "bulk_size": 262144, "obj_size": 0, "fanout": 0, "sys_meta": true, "user_meta": true, "user_data": true, "device_open_retries": 4, "device_replacement": false, "cat_map": { "0bdca466-a01d-4946-8671-69a179f62c59": { "udid": "infinia- redvm-2;/dev/sde } }, "capacity": 129879769088, "layout_weight": 1, "bept_fanout": 28, "obj_size": 65536, "bulk_size": 262144, "intlg_size": 1073741824, "heap_size": 0, "bulk_cachesz": 107374182, "bept_cachesz": 214748364, "read_latency_thld": 75, }</pre>	No links

Code	Description	Links
	<pre>"bept_qcachesz": 0, "reinit": 1,</pre> <p>Example Description</p> <p>Cluster config pool example</p>	
DELETE /clusters/{cluster_name}/configs/{config_name}/pools/{pool_uuid} Delete a pool 		
Parameters <div style="float: right;">Try it out</div>		
Name	Description	
cluster_name * required string (path)	Unique identifier for cluster	cluster_name - Unique identifier for cluster
config_name * required string (path)	Unique identifier for config within a cluster	config_name - Unique identifier for config witl
pool_uuid * required string (path)	Unique identifier for pool within a cluster and config	pool_uuid - Unique identifier for pool within a
Responses		
Code	Description	Links
200	Pool deleted	No links

GET	/clusters/{cluster_name}/configs/{config_name}/pools/{pool_uuid}/cats	Get all CAT devices for cluster and config 
------------	---	--

Parameters**Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config with
pool_uuid * required string (path)	Unique identifier for pool within a cluster and config pool_uuid - Unique identifier for pool within a

Responses

Code	Description	Links
200	Get all CAT devices for a cluster name Media type application/json Controls Accept header. Example Value Schema <pre>{ "0bdca466-a01d-4946-8671-69a179f62c59": "http://10.25.116.98/redapi/v1/clusters/red01/configs/auto_config/pools/19521219-d5fe-4319-b084-ec37ce3826e6/cats/0bdca466-a01d-4946-8671-69a179f62c59", "18269311-63a5-4d69-80df-f6aa43656110": "http://10.25.116.98/redapi/v1/clusters/red01/configs/auto_config/pools/19521219-d5fe-4319-b084-ec37ce3826e6/cats/18269311-63a5-4d69-80df-f6aa43656110", "33d6108a-812f-4fee-8b54-e3b364b256b2": "http://10.25.116.98/redapi/v1/clusters/red01/configs/auto_config/pools/19521219-d5fe-4319-b084-ec37ce3826e6/cats/33d6108a-812f-4fee-8b54-e3b364b256b2", "344b4918-75a7-475e-995d-9078221b826c": "http://10.25.116.98/redapi/v1/ui/#/REDTS/tsdb_service" }</pre>	No links

Code	Description	Links
	<pre>"http://10.25.116.98/redapi/v1/clusters/red01/configs/auto_config /pools/19521219-d5fe-4319-b084-ec37ce3826e6/cats/344b4918-75a7- 475e-995d-9078221b826c", "514e41b0-563f-42f4-87c7-189fbcb3a2d82": "http://10.25.116.98/redapi/v1/clusters/red01/configs/auto_config /pools/19521219-d5fe-4319-b084-ec37ce3826e6/cats/514e41b0-563f- 42f4-87c7-189fbcb3a2d82", "58e5d097-2d2b-42d2-85d2-2fa074254077": "http://10.25.116.98/redapi/v1/clusters/red01/configs/auto_config /pools/19521219-d5fe-4319-b084-ec37ce3826e6/cats/58e5d097-2d2b- 42d2-85d2-2fa074254077", "6edc9c43-eab1-4d26-92a6-aac5f1de430c": "http://10.25.116.98/redapi/v1/clusters/red01/configs/auto_config /pools/19521219-d5fe-4319-b084-ec37ce3826e6/cats/6edc9c43-eab1-</pre>	

Example Description

CATs example

POST `/clusters/{cluster_name}/configs/{config_name}/pools/{pool_uuid}/cats` Add a CAT device to a pool in the specified cluster and config 

Parameters Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster <div style="border: 1px solid #ccc; padding: 5px; width: fit-content; margin-top: 10px;">cluster_name - Unique identifier for cluster</div>
config_name * required string (path)	Unique identifier for config within a cluster <div style="border: 1px solid #ccc; padding: 5px; width: fit-content; margin-top: 10px;">config_name - Unique identifier for config with</div>
pool_uuid * required string (path)	Unique identifier for pool within a cluster and config <div style="border: 1px solid #ccc; padding: 5px; width: fit-content; margin-top: 10px;">pool_uuid - Unique identifier for pool within a</div>
propose boolean (query)	<i>Default value : false</i> <div style="border: 1px solid #ccc; padding: 5px; width: fit-content; margin-top: 10px;">--</div>

Responses

Code	Description	Links
201	CAT added to specified pool	No links

GET

/clusters/{cluster_name}/configs/{config_name}/pools
 /{pool_uuid}/cats/{cat_uuid}

Return a single CAT
 device for cluster



Parameters

[Try it out](#)

Name	Description
cluster_name * required	Unique identifier for cluster
string (path)	cluster_name - Unique identifier for cluster
config_name * required	Unique identifier for config within a cluster
string (path)	config_name - Unique identifier for config witl
pool_uuid * required	Unique identifier for pool within a cluster and config
string (path)	pool_uuid - Unique identifier for pool within a
cat_uuid * required	CAT UUID
string (path)	cat_uuid - CAT UUID

Responses

Code	Description	Links
200	Get CAT device by id for specified cluster and config	No links

Code	Description	Links
Media type application/json	Examples success	

Controls Accept header.

Example Value Schema

```
{
  "affine_core": 1,
  "bept_cachesz": 214748364,
  "bept_dirtythd": 75,
  "bept_fanout": 28,
  "bept_qcachesz": 0,
  "blocksize": 4096,
  "bulk_cachesz": 107374182,
  "bulk_size": 262144,
  "capability": 2,
  "capacity": 129879769088,
  "cat_id": 8,
  "csum_alg": 5,
  "delete_pending": false,
  "dev_replacement": false,
  "devnodes": {
    "d2985825-f2a4-4b4f-99d1-70a0200bb187": {
      "humanode": 4294967295,
      "setup": "{\"name\": \"infinia-redvm-2:/dev/sde\", \"file-name\": \"/dev/sde\", \"block_size\": 512, \"type\": \"file\"}",
      },
    },
  "encr_mode": 1,
  "evicted_epoch": 0,
  "evicted_time": 0,
  "eviction_catchup_epoch": 1,
  "eviction_opu": 0,
  "failure_domains": [
}
```

Example Description

CAT example

DELETE	/clusters/{cluster_name}/configs/{config_name} /pools/{pool_uuid}/cats/{cat_uuid}	Delete CAT device from specified cluster and config	
Parameters	Try it out		
Name			
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster		
config_name * required	Unique identifier for config within a cluster		

Name	Description
string (path)	config_name - Unique identifier for config with
pool_uuid * required string (path)	Unique identifier for pool within a cluster and config pool_uuid - Unique identifier for pool within a
cat_uuid * required string (path)	CAT UUID cat_uuid - CAT UUID

Responses

Code	Description	Links
200	Delete CAT device	No links

PUT /clusters/{cluster_name}/configs/{config_name}
 /pools/{pool_uuid}/cats/{cat_uuid} Move CAT device in specified cluster and config 

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
config_name * required string (path)	Unique identifier for config within a cluster config_name - Unique identifier for config with
pool_uuid * required string	Unique identifier for pool within a cluster and config

Name	Description
(path)	pool_uuid - Unique identifier for pool within a
cat_uuid * required string (path)	CAT UUID cat_uuid - CAT UUID

Responses

Code	Description	Links
200	Move CAT device	No links

GET /clusters/{cluster_name}/runtime Get cluster runtime config 

Parameters



Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster

Responses

Code	Description	Links
200	Get runtime config	No links

Media type

Examples

Code	Description	Links
	<div style="display: flex; justify-content: space-around;"> application/json success </div> <p>Controls Accept header.</p>	
Example Value Schema		
<pre>{ "cluster_uuid": "5b59b0c8-4149-4913-a502-d34c9924008c", "config": "auto_config", "networks": ["2e6520aa-5ea1-4c4a-bc4a-bd24b47dd0cf": { "type": "tcp", "name": "lo-auto", "tags": ["NVME_DATA_SERVICE", "NFS_DATA_SERVICE", "SQL_DATA_SERVICE", "SMB_DATA_SERVICE", "REDFS_DATA_SERVICE", "RPC_LOOPBACK"], "policy": { "backup": false, "encryption": false, "cq_nentries": 16384, "max_cq_count": 64, "eq_nentries": 100, "weight": 100 }, "subnet": "" }, "729b4fda-54d2-4270-b050-29667c413a9f": { "type": "roce", "name": "roce-auto", }] }</pre>		
Example Description		
Cluster runtime config response example		

GET	/clusters/{cluster_name}/tenants	Get a list of tenants													
Parameters		Try it out													
<table border="1"> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>cluster_name * required</td><td>Unique identifier for cluster</td></tr> <tr> <td>string <i>(path)</i></td><td></td></tr> <tr> <td colspan="2">cluster_name - Unique identifier for cluster</td></tr> <tr> <td>nodetails</td><td>Omit response details</td></tr> <tr> <td>boolean <i>(query)</i></td><td></td></tr> </tbody> </table>				Name	Description	cluster_name * required	Unique identifier for cluster	string <i>(path)</i>		cluster_name - Unique identifier for cluster		nodetails	Omit response details	boolean <i>(query)</i>	
Name	Description														
cluster_name * required	Unique identifier for cluster														
string <i>(path)</i>															
cluster_name - Unique identifier for cluster															
nodetails	Omit response details														
boolean <i>(query)</i>															
cluster_name * required string <i>(path)</i>															
nodetails boolean <i>(query)</i>															

Name	Description
verbose boolean (query)	-- Log verbose information
recurse boolean (query)	-- Gets the tree of tenants, subtenants and users <i>Default value : false</i>
	--

Responses

Code	Description	Links
200	Get list of tenants	No links

Media type
Examples

application/json
recurse_true

Controls Accept header.

Example Value
Schema

```
[{"name": "red", "subtenants": [{"name": "red"}], "users": {"redadmin": {"caps": "", "identity": "red", "name": "", "email": "", "group": "", "id": "740c0a55-4b67-4a91-8720-0e9c1ac10434", "uid": 0}}]}
```

Code	Description	Links
Example Description		
The tree of tenants, subtenants and users example		
POST	/clusters/{cluster_name}/tenants Create tenant	
Parameters		Try it out
Name	Description	
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	
Request body required		application/json
Example Value Schema		
<pre>{ "name": "string", "weight": 0, "bulk_quota": 0, "primary_admin": "string", "primary_password": "string", "xattrs": {} }</pre>		
Responses		
Code	Description	Links
201	Create tenant	No links
Media type application/json Examples success Controls Accept header.		
Example Value Schema		

Code	Description	Links
	<pre>{ "tenant_result": 201, "admin_result": 201 }</pre>	
Example Description		
Create tenant		
GET	/clusters/{cluster_name}/datasets	Return all user datasets 
Parameters		Try it out
Name	Description	
cluster_name * required string (path)	Unique identifier for cluster	cluster_name - Unique identifier for cluster
nodeetails boolean (query)	Omit response details	--
flavors string (header)	Dataset flavors (optional)	flavors - Dataset flavors (optional)
next string (header)	Listing next option to continue (optional)	next - Listing next option to continue (optional)
filter string (header)	Partial text search (optional)	filter - Partial text search (optional)
keyword string (header)	Keyword text search (optional)	

Name	Description
	keyword - Keyword text search (optional)
limit integer (header)	Limit the size of listing (optional) limit - Limit the size of listing (optional)
verbose boolean (query)	Log verbose information --
tenants string (query)	List of tenants tenants - List of tenants
subtenants string (query)	List of subtenants subtenants - List of subtenants
services string (query)	List of services services - List of services

Responses

Code	Description	Links
200	Get all user datasets	No links

GET /clusters/{cluster_name}/tenants/{tenant_name} Get tenant 

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
verbose boolean (query)	log verbose information --

Responses

Code	Description	Links
200	Get tenant Media type application/json Controls Accept header. Example Value Schema <pre>{ "tenant": { "id": 17, "name": "red", "weight": 32, "bulk_quota": 2078076305408, "usage": 0, "xattrs": { "RED_INTERNAL": { "primary-admin": "redadmin" } } } }</pre>	No links

Example Description

Code	Description	Links
	Get tenant	

PUT	/clusters/{cluster_name}/tenants/{tenant_name}	Update tenant	
Parameters		Try it out	
Name	Description		
cluster_name * required	Unique identifier for cluster		
string (path)			
tenant_name * required	Tenant name		
string (path)			
Request body required		application/json	
Example Value Schema			
<pre>{ "name": "string", "weight": 0, "bulk_quota": 0, "primary_admin": "string", "primary_password": "string", "xattrs": {} }</pre>			
Responses			
Code	Description	Links	
200	Update tenant	No links	
Media type		Examples	

Code	Description	Links						
application/json	success							
Controls Accept header.								
Example Value Schema								
<pre>{ "tenant_result": 200, "admin_result": 202 }</pre>								
Example Description								
Update tenant								
DELETE /clusters/{cluster_name}/tenants/{tenant_name} Delete tenant								
Parameters		Try it out						
<table border="1"> <thead> <tr> <th>Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>cluster_name * required string (path)</td> <td>Unique identifier for cluster cluster_name - Unique identifier for cluster</td> </tr> <tr> <td>tenant_name * required string (path)</td> <td>Tenant name tenant_name - Tenant name</td> </tr> </tbody> </table>			Name	Description	cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	tenant_name * required string (path)	Tenant name tenant_name - Tenant name
Name	Description							
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster							
tenant_name * required string (path)	Tenant name tenant_name - Tenant name							
Responses								
Code	Description	Links						
200	Delete tenant	No links						

GET /clusters/{cluster_name}/tenants/{tenant_name}/subtenants Get list of subtenants 

Parameters [Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
nodetails boolean (query)	Omit response details --
recurse boolean (query)	Gets the tree of subtenants and users <i>Default value : false</i> --
verbose boolean (query)	Log verbose information --

Responses

Code	Description	Links
200	List subtenants	No links

Media type

application/json

Controls Accept header.

Examples

recurse_false

Code	Description	Links
Example Value Schema		
	<pre>{ "subtenants": [{ "id": 17, "name": "red", "weight": 32, "bulk_quota": 1039038152704, "usage": 0, "xattrs": { "RED_INTERNAL": { "primary-admin": "redadmin" } } }, { "id": 117, "name": "green", "weight": 32, "bulk_quota": 100000, "usage": 0, "xattrs": { "RED_INTERNAL": { "primary-admin": "greenadmin" } } }] }</pre>	

Example Description

List subtenants

POST	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants	Create cluster subtenant	
Parameters		Try it out	
Name		Description	
cluster_name * required		Unique identifier for cluster	
string (path)		cluster_name - Unique identifier for cluster	
tenant_name * required		Tenant name	
string (path)		tenant_name - Tenant name	

Name	Description
subtenant_admins <code>string</code> (header)	Subtenants admins subtenant_admins - Subtenants admins
subtenant_viewers <code>string</code> (header)	Subtenants viewers subtenant_viewers - Subtenants viewers

Request body required

application/json

Example Value Schema

```
{
  "name": "string",
  "weight": 0,
  "bulk_quota": 0,
  "primary_admin": "string",
  "primary_password": "string",
  "xattrs": {}
}
```

Responses

Code	Description	Links
201	Create cluster subtenant	No links

Media type

application/json

Examples

success

Controls Accept header.

Example Value Schema

```
{
  "subtenant_result": 201,
  "admin_result": 201
}
```

Example Description

Code	Description	Links											
Create subtenant													
GET	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}	Get subtenant 											
Parameters		Try it out											
<table> <thead> <tr> <th>Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>cluster_name * required string (path)</td><td>Unique identifier for cluster cluster_name - Unique identifier for cluster</td></tr> <tr> <td>tenant_name * required string (path)</td><td>Tenant name tenant_name - Tenant name</td></tr> <tr> <td>subtenant_name * required string (path)</td><td>Subtenant name subtenant_name - Subtenant name</td></tr> <tr> <td>verbose boolean (query)</td><td>log verbose information --</td></tr> </tbody> </table>		Name	Description	cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	tenant_name * required string (path)	Tenant name tenant_name - Tenant name	subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name	verbose boolean (query)	log verbose information --		
Name	Description												
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster												
tenant_name * required string (path)	Tenant name tenant_name - Tenant name												
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name												
verbose boolean (query)	log verbose information --												
Responses													
<table> <thead> <tr> <th>Code</th> <th>Description</th> <th>Links</th> </tr> </thead> <tbody> <tr> <td>200</td><td>Get subtenant</td><td>No links</td></tr> <tr> <td colspan="2"> Media type application/json </td><td>Examples success </td></tr> <tr> <td colspan="3">Controls Accept header.</td></tr> </tbody> </table>		Code	Description	Links	200	Get subtenant	No links	Media type application/json		Examples success	Controls Accept header.		
Code	Description	Links											
200	Get subtenant	No links											
Media type application/json		Examples success											
Controls Accept header.													

Code	Description	Links
Example Value	Schema	
	<pre>{ "subtenant": { "id": 17, "name": "red", "weight": 32, "bulk_quota": 1039038152704, "usage": 0, "xattrs": { "RED_INTERNAL": { "primary-admin": "redadmin" } } } }</pre>	

Example Description

Get subtenant

PUT

/clusters/{cluster_name}/tenants/{tenant_name}/subtenants
/{subtenant_name}

Update
subtenant



Parameters

[Try it out](#)

Name	Description
------	-------------

cluster_name * required

string
(path)

Unique identifier for cluster

cluster_name - Unique identifier for cluster

tenant_name * required

string
(path)

Tenant name

tenant_name - Tenant name

subtenant_name * required

string
(path)

Subtenant name

subtenant_name - Subtenant name

Request body required

application/json

Example Value Schema

```
{
  "name": "string",
  "weight": 0,
  "bulk_quota": 0,
  "primary_admin": "string",
  "primary_password": "string",
  "xattrs": {}
}
```

Responses

Code	Description	Links
200	Update subtenant	No links

Media type

application/json

Controls Accept header.

Examples

success**Example Value** Schema

```
{
  "subtenant_result": 200,
  "admin_result": 202
}
```

Example Description

Update subtenant

DELETE`/clusters/{cluster_name}/tenants/{tenant_name}/subtenants
/{subtenant_name}`Delete
subtenant**Parameters****Try it out****Name****Description****cluster_name** * required**string**
(path)

Unique identifier for cluster

cluster_name - Unique identifier for cluster

Name	Description
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name

Responses

Code	Description	Links
200	Delete subtenant	No links

GET /clusters/{cluster_name}/services Get all user services 

Parameters

Try it out

Name	Description
servicetype string (header)	Service type servicetype - Service type
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
from string (header)	Start listing from (optional) from - Start listing from (optional)

Name	Description
<code>filter string (header)</code>	Partial text search (optional) filter - Partial text search (optional)
<code>keyword string (header)</code>	Keyword text search (optional) keyword - Keyword text search (optional)
<code>limit integer (header)</code>	Limit the size of listing (optional) limit - Limit the size of listing (optional)
<code>verbose boolean (query)</code>	log verbose information --

Responses

Code	Description	Links
200	Get all user services	No links

GET /clusters/{cluster_name}/users Get all user users 

Parameters

[Try it out](#)

Name	Description
<code>cluster_name * required string (path)</code>	Unique identifier for cluster cluster_name - Unique identifier for cluster

Name	Description
user_id_optional string (header)	User unique identifier (optional) user_id_optional - User unique identifier (opti
level string (header)	User level level - User level
caps string (header)	User capabilities caps - User capabilities
identity string (header)	Identity service name identity - Identity service name
group string (header)	User group group - User group
email string (header)	User email email - User email
from string (header)	Start listing from (optional) from - Start listing from (optional)
filter string (header)	Partial text search (optional) filter - Partial text search (optional)
keyword string (header)	Keyword text search (optional)

Name	Description
	keyword - Keyword text search (optional)
limit integer (header)	Limit the size of listing (optional) limit - Limit the size of listing (optional)
verbose boolean (query)	Log verbose information --
tenants string (query)	List of tenants tenants - List of tenants

Responses

Code	Description	Links
200	Get all user users	No links

GET /clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets  Get a list of datasets

Parameters	Try it out
------------	------------

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name

Name	Description
	tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
nodetails boolean (query)	Omit response details --
flavors string (header)	Dataset flavors (optional) flavors - Dataset flavors (optional)
cookie string (header)	Listing cookie to continue (optional) cookie - Listing cookie to continue (optional)
filter string (header)	Partial text search (optional) filter - Partial text search (optional)
keyword string (header)	Keyword text search (optional) keyword - Keyword text search (optional)
limit integer (header)	Limit the size of listing (optional) limit - Limit the size of listing (optional)
verbose boolean (query)	log verbose information --

Responses

Code	Description	Links
200	Get dataset lists	No links

Media type

application/json

Examples

success

Controls Accept header.

Example Value Schema

```
{
  "datasets": [
    "red"
  ]
}
```

Example Description

List datasets

POST`/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets`

Create a dataset

**Parameters****Try it out****Name****Description****cluster_name** * requiredstring
(path)

Unique identifier for cluster

cluster_name - Unique identifier for cluster

tenant_name * requiredstring
(path)

Tenant name

tenant_name - Tenant name

subtenant_name * requiredstring
(path)

Subtenant name

subtenant_name - Subtenant name

Request body required

application/json

Example Value Schema

```
{
  "name": "dataset1",
  "nstripes": 16,
  "pool": 1,
  "ltid": 1,
  "type": "volume",
  "bulk_quota": 34359738368,
  "xattrs": {
    "k1": "v1",
    "k2": "v2"
  }
}
```

Responses

Code	Description	Links
201	Create cluster dataset	<i>No links</i>

GET

/clusters/{cluster_name}/tenants/{tenant_name}
/subtenants/{subtenant_name}/datasets/{dataset_name}Get a dataset for a
tenant/subtenant
combination**Parameters****Try it out**

Name	Description
------	-------------

cluster_name * requiredstring
(path)

Unique identifier for cluster

cluster_name - Unique identifier for cluster

tenant_name * requiredstring
(path)

Tenant name

tenant_name - Tenant name

subtenant_name * requiredstring
(path)

Subtenant name

Name	Description
	subtenant_name - Subtenant name
dataset_name * required string (path)	Dataset name dataset_name - Dataset name
verbose boolean (query)	log verbose information --

Responses

Code	Description	Links
200	Dataset found for a tenant/subtenant combination Media type application/json Examples success Controls Accept header. Example Value Schema <pre>{ "dataset": { "handle": "AREREQ==", "id": 17, "ltid": 1, "name": "red", "nstripes": 128, "ds_nfiles": 0, "ds_ndirs": 1, "start_shard": 534355, "pool": 1, "quota": 1039038152704, "usage": 0, "xattrs": { "block_size": 4096, "bucket_size": 262144, "dp_profile": 1, "ec_nparity": 2 } } }</pre>	No links

Code	Description	Links
Example Description		
Get dataset		
PUT	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}	Update dataset for a tenant/subtenant combination 
Parameters		Try it out
Name	Description	
cluster_name * required	Unique identifier for cluster	cluster_name - Unique identifier for cluster
string (path)		
tenant_name * required	Tenant name	tenant_name - Tenant name
string (path)		
subtenant_name * required	Subtenant name	subtenant_name - Subtenant name
string (path)		
dataset_name * required	Dataset name	dataset_name - Dataset name
string (path)		
Request body required		application/json
Example Value Schema		
<pre>{ "name": "string", "nstripes": 0, "pool": 0, "ltid": 0, "type": "string", "bulk_quota": 0,</pre>		

```

    "xattrs": {}
}

```

Responses

Code	Description	Links
200	Dataset updated successfully for a tenant/subtenant combination	<i>No links</i>

DELETE [/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}](#) Delete dataset for a tenant/subtenant combination 

Parameters

[Try it out](#)

Name	Description
------	-------------

cluster_name * required

string
(path) Unique identifier for cluster

cluster_name - Unique identifier for cluster

tenant_name * required

string
(path) Tenant name

tenant_name - Tenant name

subtenant_name * required

string
(path) Subtenant name

subtenant_name - Subtenant name

dataset_name * required

string
(path) Dataset name

dataset_name - Dataset name

Responses

Code	Description	Links
200	Dataset deleted successfully for a tenant/subtenant combination	No links
GET	<code>/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}/snapshot</code>	Get a list of snapshots 
Parameters <div style="float: right;">Try it out</div>		
Name	Description	
cluster_name * required	Unique identifier for cluster	<code>cluster_name - Unique identifier for cluster</code>
string (path)		
tenant_name * required	Tenant name	<code>tenant_name - Tenant name</code>
string (path)		
subtenant_name * required	Subtenant name	<code>subtenant_name - Subtenant name</code>
string (path)		
dataset_name * required	Dataset name	<code>dataset_name - Dataset name</code>
string (path)		
Responses		
Code	Description	Links
200	Listed snapshots successfully	No links

Code	Description	Links
Media type	Examples	
application/json	success	
Controls Accept header.		
Example Value	Schema	
	<pre>{ "snapshots": [124281052725248] }</pre>	
Example Description		
	List snapshots	
POST	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}/snapshot	Create dataset snapshot 
Parameters		Try it out
Name	Description	
cluster_name * required string (path)	Unique identifier for cluster	cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name	tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name	subtenant_name - Subtenant name
dataset_name * required string (path)	Dataset name	dataset_name - Dataset name

Responses

Code	Description	Links
201	Created dataset snapshot successfully	No links

DELETE	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}/snapshot/{snapshot_id}	Delete dataset snapshot	
---------------	---	-------------------------	---

Parameters

[Try it out](#)

Name	Description
cluster_name * required	Unique identifier for cluster
string (path)	cluster_name - Unique identifier for cluster
tenant_name * required	Tenant name
string (path)	tenant_name - Tenant name
subtenant_name * required	Subtenant name
string (path)	subtenant_name - Subtenant name
dataset_name * required	Dataset name
string (path)	dataset_name - Dataset name
snapshot_id * required	Snapshot ID
integer (path)	snapshot_id - Snapshot ID

Responses

Code	Description	Links
200	Dataset snapshot deleted successfully	No links

GET	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}/volumes	Get list of all volumes for a tenant/subtenant dataset combination.	
-----	--	---	---

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
dataset_name * required string (path)	Dataset name dataset_name - Dataset name

Responses

Code	Description	Links
200	<p>Get list of volumes successfully</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Examples</p> <div style="border: 2px solid black; padding: 2px; display: inline-block;">success</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>[{ "uuid": "a1eb4d8a-9677-41ff-8f92-d4d37375f534", "name": "vol01", "volumeid": 1, "wwn": "21f30001ffbae8ac", "sn": "00000B00000Bin2RPEW0", "block_size": 4096, "nblocks": 2441407, "lcore": 1, "xattrs": {} }]</pre> <p>Example Description</p> <p>List volumes</p>	No links

POST	/clusters/{cluster_name}/tenants/{tenant_name} /subtenants/{subtenant_name}/datasets/{dataset_name} /volumes	Create volume for a tenant/subtenant dataset combination.	
------	--	---	--

Parameters
[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster
cluster_name - Unique identifier for cluster	
tenant_name * required string (path)	Tenant name
tenant_name - Tenant name	

Name	Description
subtenant_name * required string (path)	Subtenant name <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">subtenant_name - Subtenant name</div>
dataset_name * required string (path)	Dataset name <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">dataset_name - Dataset name</div>

Request body required

application/json

Example Value Schema

```
{
  "volumeName": "vol01",
  "nblocks": 1048576,
  "block_size": 4096,
  "nvmfTarget": false,
  "nvmfProp": {},
  "xattrs": {}
}
```

Responses

Code	Description	Links
201	Volume successfully created	No links

GET	/clusters/{cluster_name}/tenants/{tenant_name} /subtenants/{subtenant_name}/datasets/{dataset_name} /volumes/{volume_name}	Get a volume for a tenant/subtenant dataset combination.
-----	--	--

Parameters

Try it out

Name	Description
cluster_name * required string	Unique identifier for cluster

Name	Description
(path)	cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
dataset_name * required string (path)	Dataset name dataset_name - Dataset name
volume_name * required string (path)	Name of volume to add/attach volume_name - Name of volume to add/attach

Responses

Code	Description	Links
200	Volume found	No links

Media type

Examples

application/json**success**

Controls Accept header.

Example Value Schema

```
{
  "volume": {
    "uuid": "a1eb4d8a-9677-41ff-8f92-d4d37375f534",
    "name": "vol01",
    "volumeid": 1,
    "wwn": "2fff0001ffffffffff",
    "sn": "00000B00000B59huliP0",
    "label": "Vol01"
  }
}
```

Code	Description	Links
	<pre> "block_size": 4096, "nblocks": 2441407, "lcore": 1, "xattrs": {} } } </pre>	

Example Description

Get volume

PUT	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}/volumes/{volume_name}	Update volume for a tenant/subtenant dataset combination. 											
Parameters		Try it out											
<table border="1"> <thead> <tr> <th>Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>cluster_name * required string (path)</td> <td>Unique identifier for cluster cluster_name - Unique identifier for cluster</td></tr> <tr> <td>tenant_name * required string (path)</td> <td>Tenant name tenant_name - Tenant name</td></tr> <tr> <td>subtenant_name * required string (path)</td> <td>Subtenant name subtenant_name - Subtenant name</td></tr> <tr> <td>dataset_name * required string (path)</td> <td>Dataset name dataset_name - Dataset name</td></tr> <tr> <td>volume_name * required string (path)</td> <td>Name of volume to add/attach volume_name - Name of volume to add/attach</td></tr> </tbody> </table>		Name	Description	cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	tenant_name * required string (path)	Tenant name tenant_name - Tenant name	subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name	dataset_name * required string (path)	Dataset name dataset_name - Dataset name	volume_name * required string (path)	Name of volume to add/attach volume_name - Name of volume to add/attach
Name	Description												
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster												
tenant_name * required string (path)	Tenant name tenant_name - Tenant name												
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name												
dataset_name * required string (path)	Dataset name dataset_name - Dataset name												
volume_name * required string (path)	Name of volume to add/attach volume_name - Name of volume to add/attach												

Request body required

application/json

Example Value Schema

```
{
  "nvmf": {},
  "xattrs": {}
}
```

Responses

Code	Description	Links
200	Volume successfully updated	<i>No links</i>

Media type

application/json

Examples

success

Controls Accept header.

Example Value Schema

```
{
  "uuid": "aleb4d8a-9677-41ff-8f92-d4d37375f534",
  "name": "vol01",
  "volumeid": 1,
  "wwn": "2fff0001ffffffffff",
  "sn": "00000B00000B9zwZv6r0",
  "block_size": 4096,
  "nblocks": 2441407,
  "lcore": 1,
  "xattrs": {
    "key1": "value1"
  }
}
```

Example Description

Update volume

DELETE

/clusters/{cluster_name}/tenants/{tenant_name}
 /subtenants/{subtenant_name}/datasets/{dataset_name}
 /volumes/{volume_name}

Delete volume for a
 tenant/subtenant dataset
 combination.

**Parameters****Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
dataset_name * required string (path)	Dataset name dataset_name - Dataset name
volume_name * required string (path)	Name of volume to add/attach volume_name - Name of volume to add/attach
force boolean (query)	Delete the volume forcefully. <i>Default value : false</i> --

Responses

Code	Description	Links
200	volume successfully deleted	No links

PUT `/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}/volumes/{volume_name}/expose` Expose volume for a tenant/subtenant dataset combination as NVMF block. 

Parameters

Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
dataset_name * required string (path)	Dataset name dataset_name - Dataset name
volume_name * required string (path)	Name of volume to add/attach volume_name - Name of volume to add/attach

Request body required

application/json

Example Value Schema

```
{
  "name": "volume_1",
  "nvmf": {
    "transport": "TCP",
    "instanceId": 1
  },
  "xattrs": {
    "key1": "value1",
    "key2": "value2"
  }
}
```

}

Responses

Code	Description	Links
200	Volume successfully exposed	No links
DELETE	<code>/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}/volumes/{volume_name}/unexpose</code>	Delete unexposed volume for a tenant/subtenant dataset combination. 

Parameters

Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster <div>cluster_name - Unique identifier for cluster</div>
tenant_name * required string (path)	Tenant name <div>tenant_name - Tenant name</div>
subtenant_name * required string (path)	Subtenant name <div>subtenant_name - Subtenant name</div>
dataset_name * required string (path)	Dataset name <div>dataset_name - Dataset name</div>
volume_name * required string (path)	Name of volume to add/attach

Name	Description
	volume_name - Name of volume to add/attach

Responses

Code	Description	Links
200	volume successfully unexposed	No links

PUT /clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}/volumes/{volume_name}/resize Resize volume for a tenant/subtenant dataset combination. 

Parameters

Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
dataset_name * required string (path)	Dataset name dataset_name - Dataset name
volume_name * required string	Name of volume to add/attach

Name	Description
(path)	volume_name - Name of volume to add/attach

Request body required

application/json

Example Value Schema

```
{
  "nvmf": {},
  "xattrs": {}
}
```

Responses

Code	Description	Links
200	Volume successfully resized	No links

POST

```
/clusters/{cluster_name}/tenants/{tenant_name}
/subtenants/{subtenant_name}/datasets
/{dataset_name}/volumes/{volume_name}/clone
```

Clone a volume from a master volume for a tenant/subtenant dataset combination.

**Parameters**

Try it out

Name	Description
cluster_name * required	
string	Unique identifier for cluster
(path)	cluster_name - Unique identifier for cluster
tenant_name * required	
string	Tenant name
(path)	tenant_name - Tenant name
subtenant_name * required	
string	Subtenant name

Name	Description
(path)	subtenant_name - Subtenant name
dataset_name * required	
string	Dataset name
(path)	dataset_name - Dataset name
volume_name * required	
string	Name of volume to add/attach
(path)	volume_name - Name of volume to add/attach

Request body required

application/json

Example Value Schema

```
{
  "srcvolume": "volume_1",
  "sizeInBytes": 1048576,
  "srcvolumeMd5": "1420ca4d3691b8e99b72b9a2fca34924"
}
```

Responses

Code	Description	Links
201	Volume clone successful	No links
POST	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/subsystems/{subsystem_name}	subsystem create call. 

Parameters

Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
subsystem_name * required string (path)	NVME subsystem name for NVMF device. subsystem_name - NVME subsystem name 1

Request body required

application/json

Example Value Schema

{}

Responses

Code	Description	Links
200	Subsystem created successfully.	No links

GET /clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/subsystems/{subsystem_name} Get subsystem 

Parameters **Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
subsystem_name * required string (path)	NVME subsystem name for NVMF device. subsystem_name - NVME subsystem name 1

Responses

Code	Description	Links
200	Subsystem show successful	No links

DELETE /clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/subsystems/{subsystem_name} Delete subsystem 

Parameters **Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
subsystem_name * required string (path)	NVME subsystem name for NVMF device. subsystem_name - NVME subsystem name 1
force boolean (query)	Delete the subsystem forcefully <i>Default value : false</i> --

Responses

Code	Description	Links
200	Subsystem delete successful	No links

GET	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/list	Get subsystem list	
Parameters		Try it out	

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name

Responses

Code	Description	Links
200	Get subsystem list successful Media type application/json Examples success Controls Accept header. Example Value Schema <pre>{ "targets": [{ "subsystems": [{ "nqn": "nqn.2024-04.com.ddn.red.ten17.sub17:uuid:f16e-f301-7963-4618-99f0-3cc6c42aa720", "name": "red.red.volume1.ac", "hostuuids": ["0c1511b0-89f5-460e-819d-df40bc84e8f6", "fac5da13-503e-47cc-9bdd-4b4330504ce7"], "type": "NVMe", "serial_number": "00000B000000-EtS3J90", "model_number": "RED Controller", "allow_any_host": true, }] }] }</pre>	No links

Code	Description	Links										
	<pre>"max_namespaces": 0, "namespaces": [{ "dataset": "red", "nsid": 1, "nguid": "C73618EC34AC46379135B003FC20BD6F", "eui64": "0000000000000000", "uuid": "c73618ec-34ac-4637-9135-b003fc20bd6f", "volume": "volume1", "sn": "00000B000000-EvbESA0" }]</pre>											
Example Description												
List subsystems												
POST	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/subsystems/{subsystem_name}/hosts	Add host to subsystem 										
Parameters		Try it out										
<table> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>cluster_name * required string (path)</td><td>Unique identifier for cluster cluster_name - Unique identifier for cluster</td></tr> <tr> <td>tenant_name * required string (path)</td><td>Tenant name tenant_name - Tenant name</td></tr> <tr> <td>subtenant_name * required string (path)</td><td>Subtenant name subtenant_name - Subtenant name</td></tr> <tr> <td>subsystem_name * required string (path)</td><td>NVME subsystem name for NVMF device. subsystem_name - NVME subsystem name</td></tr> </tbody> </table>			Name	Description	cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	tenant_name * required string (path)	Tenant name tenant_name - Tenant name	subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name	subsystem_name * required string (path)	NVME subsystem name for NVMF device. subsystem_name - NVME subsystem name
Name	Description											
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster											
tenant_name * required string (path)	Tenant name tenant_name - Tenant name											
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name											
subsystem_name * required string (path)	NVME subsystem name for NVMF device. subsystem_name - NVME subsystem name											
Responses												

Code	Description	Links
200	Subsystem add host successful	No links
PUT	<code>/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/subsystems/{subsystem_name}/hosts</code>	Remove host from subsystem 
Parameters <div style="float: right;">Try it out</div>		
Name	Description	
cluster_name * required string (path)	Unique identifier for cluster	cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name	tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name	subtenant_name - Subtenant name
subsystem_name * required string (path)	NVME subsystem name for NVMF device.	subsystem_name - NVME subsystem name 1
Responses		
Code	Description	Links
200	Subsystem remove host successful	No links

GET	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/instances/{instance_id}/vhost_ctrls	List all Vhost controllers for a tenant/subtenant dataset combination.																					
Parameters		Try it out																					
<table border="1"> <thead> <tr> <th>Name</th><th>Description</th><th> </th><th> </th></tr> </thead> <tbody> <tr> <td>cluster_name * required string (path)</td><td>Unique identifier for cluster</td><td colspan="2">cluster_name - Unique identifier for cluster</td></tr> <tr> <td>instance_id * required string (path)</td><td>Unique identifier for instance</td><td colspan="2">instance_id - Unique identifier for instance</td></tr> <tr> <td>tenant_name * required string (path)</td><td>Tenant name</td><td colspan="2">tenant_name - Tenant name</td></tr> <tr> <td>subtenant_name * required string (path)</td><td>Subtenant name</td><td colspan="2" rowspan="3">subtenant_name - Subtenant name</td></tr> </tbody> </table>				Name	Description			cluster_name * required string (path)	Unique identifier for cluster	cluster_name - Unique identifier for cluster		instance_id * required string (path)	Unique identifier for instance	instance_id - Unique identifier for instance		tenant_name * required string (path)	Tenant name	tenant_name - Tenant name		subtenant_name * required string (path)	Subtenant name	subtenant_name - Subtenant name	
Name	Description																						
cluster_name * required string (path)	Unique identifier for cluster	cluster_name - Unique identifier for cluster																					
instance_id * required string (path)	Unique identifier for instance	instance_id - Unique identifier for instance																					
tenant_name * required string (path)	Tenant name	tenant_name - Tenant name																					
subtenant_name * required string (path)	Subtenant name	subtenant_name - Subtenant name																					
Responses																							
<table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Links</th><th> </th></tr> </thead> <tbody> <tr> <td>200</td><td>Get a list of all Vhost controllers successfully</td><td>No links</td><td></td></tr> </tbody> </table>				Code	Description	Links		200	Get a list of all Vhost controllers successfully	No links													
Code	Description	Links																					
200	Get a list of all Vhost controllers successfully	No links																					

POST	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/instances/{instance_id}/vhost_ctrls	Create Vhost controller for a tenant/subtenant dataset combination.	
Parameters		Try it out	

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
instance_id * required string (path)	Unique identifier for instance instance_id - Unique identifier for instance
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name

Request body required

application/json

Example Value Schema

```
{
  "name": "vhost.1"
}
```

Responses

Code	Description	Links
201	Vhost controller created successfully	No links

Media type

application/json

Examples

success

Code	Description	Links																		
	Controls Accept header.																			
	Example Value Schema																			
	<pre>{ "cpumask": "0x2", "lcore": 1, "name": "vhost.1", "timestamp": 1711981216, "uuid": "6a4e9057-ba6a-4d90-adb2-8d4ecf1b6daa", "version": "1.1" }</pre>																			
Example Description																				
Vhost controller example																				
GET	/clusters/{cluster_name}/tenants/{tenant_name} /subtenants/{subtenant_name}/instances/{instance_id} /vhost_ctrls/{vhost_ctrlr_name}	Get Vhost controller for a tenant/subtenant dataset combination. 																		
Parameters		Try it out																		
<table> <thead> <tr> <th>Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>cluster_name * required string (path)</td> <td>Unique identifier for cluster</td> </tr> <tr> <td></td> <td>cluster_name - Unique identifier for cluster</td> </tr> <tr> <td>tenant_name * required string (path)</td> <td>Tenant name</td> </tr> <tr> <td></td> <td>tenant_name - Tenant name</td> </tr> <tr> <td>subtenant_name * required string (path)</td> <td>Subtenant name</td> </tr> <tr> <td></td> <td>subtenant_name - Subtenant name</td> </tr> <tr> <td>instance_id * required string (path)</td> <td>Unique identifier for instance</td> </tr> <tr> <td></td> <td>instance_id - Unique identifier for instance</td> </tr> </tbody> </table>			Name	Description	cluster_name * required string (path)	Unique identifier for cluster		cluster_name - Unique identifier for cluster	tenant_name * required string (path)	Tenant name		tenant_name - Tenant name	subtenant_name * required string (path)	Subtenant name		subtenant_name - Subtenant name	instance_id * required string (path)	Unique identifier for instance		instance_id - Unique identifier for instance
Name	Description																			
cluster_name * required string (path)	Unique identifier for cluster																			
	cluster_name - Unique identifier for cluster																			
tenant_name * required string (path)	Tenant name																			
	tenant_name - Tenant name																			
subtenant_name * required string (path)	Subtenant name																			
	subtenant_name - Subtenant name																			
instance_id * required string (path)	Unique identifier for instance																			
	instance_id - Unique identifier for instance																			

Name	Description
vhost_ctrlr_name * required string (path)	Name of Vhost controller to add/attach vhost_ctrlr_name - Name of Vhost controller

Responses

Code	Description	Links
200	Get Vhost controller successful Media type application/json Controls Accept header. Example Value Schema <pre>{ "cpumask": "0x2", "lcore": 1, "name": "vhost.1", "timestamp": 1711981216, "uuid": "6a4e9057-ba6a-4d90-adb2-8d4ecf1b6daa", "version": "1.1" }</pre> Example Description Vhost controller example	No links

DELETE	/clusters/{cluster_name}/tenants/{tenant_name} /subtenants/{subtenant_name}/instances/{instance_id} /vhost_ctrls/{vhost_ctrlr_name}	Delete Vhost controller for a tenant/subtenant dataset combination.	
---------------	---	---	---

Parameters	Try it out
-------------------	-------------------

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
instance_id * required string (path)	Unique identifier for instance instance_id - Unique identifier for instance
vhost_ctrlr_name * required string (path)	Name of Vhost controller to add/attach vhost_ctrlr_name - Name of Vhost controller

Responses

Code	Description	Links
200	Vhost controller deleted successfully	No links

GET /clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}/instances/{instance_id}/vhost_ctrls/{vhost_ctrlr_name}/volumes

Get Vhost controller and volume mapping for a tenant/subtenant dataset combination.



Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
dataset_name * required string (path)	Dataset name dataset_name - Dataset name
instance_id * required string (path)	Unique identifier for instance instance_id - Unique identifier for instance
vhost_ctrlr_name * required string (path)	Name of Vhost controller to add/attach vhost_ctrlr_name - Name of Vhost controller

Responses

Code	Description	Links
200	Get the Vhost controller and volume mapping successfully	No links

Media type

Examples

Code	Description	Links
application/json	success	

Controls Accept header.

Example Value Schema

```
{
  "lcore": 1,
  "timestamp": 1711981630,
  "version": "1.1",
  "ctrlrs": [
    {
      "uuid": "6a4e9057-ba6a-4d90-adb2-8d4ecf1b6daa",
      "name": "vhost.1",
      "targets": [
        {
          "uuid": "3223fd05-6951-4d79-9edc-96f2cc1fc6b5",
          "volume": {
            "uuid": "c73618ec-34ac-4637-9135-b003fc20bd6f",
            "name": "volume1",
            "target_id": -22
          }
        }
      ]
    }
  ]
}
```

Example Description

Vhost controller volumes example

POST	/clusters/{cluster_name}/tenants/{tenant_name} /subtenants/{subtenant_name}/datasets/{dataset_name} /instances/{instance_id}/vhost_ctrls/{vhost_ctrlr_name} /volumes/{volume_name}	Attach volume to vhost controller for a tenant/subtenant dataset combination.	
-------------	---	---	--

Parameters**Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name

Name	Description
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
dataset_name * required string (path)	Dataset name dataset_name - Dataset name
instance_id * required string (path)	Unique identifier for instance instance_id - Unique identifier for instance
vhost_ctrlr_name * required string (path)	Name of Vhost controller to add/attach vhost_ctrlr_name - Name of Vhost controller
volume_name * required string (path)	Name of volume to add/attach volume_name - Name of volume to add/attach

Responses

Code	Description	Links
200	Attach volume to Vhost controller successful Media type application/json Controls Accept header. Example Value Schema <pre>{ "ctrlr": { "cpumask": "0x2", "volume": "vhost0" } }</pre>	No links

Code	Description	Links
	<pre> "name": "vhost.1", "uuid": "6a4e9057-ba6a-4d90-adb2-8d4ecf1b6daa" }, "id": -22, "lun": 0, "uuid": "3223fd05-6951-4d79-9edc-96f2cc1fc6b5", "volume": { "volume": { "block_size": 4096, "lcore": 1, "name": "volume1", "nblocks": 2441407, "sn": "00000B00000HPF4g39r0", "uuid": "c73618ec-34ac-4637-9135-b003fc20bd6f", "volumeid": 4, "wwn": "25c70001ffd8bff0", "xattrs": {} } } } </pre>	

Example Description

Attach volume to vhost controller example

DELETE	/clusters/{cluster_name}/tenants/{tenant_name} /subtenants/{subtenant_name}/datasets/{dataset_name} /instances/{instance_id}/vhost_ctrls/{vhost_ctrlr_name} /volumes/{volume_name}	Detach volume from vhost controller for a tenant/subtenant dataset combination.	
---------------	---	---	--

Parameters

[Try it out](#)

Name	Description
------	-------------

cluster_name * required
string
(path)

Unique identifier for cluster
`cluster_name - Unique identifier for cluster`

tenant_name * required
string
(path)

Tenant name
`tenant_name - Tenant name`

subtenant_name * required
string
(path)

Subtenant name
`subtenant_name - Subtenant name`

Name	Description
dataset_name * required string (path)	Dataset name dataset_name - Dataset name
instance_id * required string (path)	Unique identifier for instance instance_id - Unique identifier for instance
vhost_ctrlr_name * required string (path)	Name of Vhost controller to add/attach vhost_ctrlr_name - Name of Vhost controller
volume_name * required string (path)	Name of volume to add/attach volume_name - Name of volume to add/attach

Responses

Code	Description	Links
200	Detach volume from Vhost controller successful	No links

Media type
application/json

Examples

success

Controls Accept header.

Example Value Schema

```
{
  "lcore": 1,
  "status": "removed",
  "timestamp": 1711981728,
  "version": "1.1"
}
```

Example Description

Code	Description	Links
	Detach volume from vhost controller example	

STATS REDAPI stats management APIs



GET	/stats Get RED stats	
Parameters		Try it out
<hr/>		
Name	Description	
target string (query)	Name of target to get stats from. For all targets specify 'all' <input type="text" value="perf"/>	
timestamp number (query)	returns stats which are latest than given timestamp. Optional(if not specified returns latest) <input type="text" value="timestamp - returns stats which are latest tha"/>	
filter object (query)	Filter the measurement for specific tags. All measurements matching the filter list will be returned. <pre>{ "filter": " {\\"subsystem\\":\\"rpc\\", \\"tag_0\\":\\"network \\"} }</pre>	
 <hr/>		
function object	Stats function name to get data by host(s).	

Name	Description
------	-------------

(query)

{}

//

Responses

Code	Description	Links
200	Get RED stats success	<i>No links</i>

Media type

application/json

Examples

successControls **Accept** header.**Example Value** Schema

```
{
  "hostname": "infinia-redvm-1", "result": [
    {
      "measurements": [
        {
          "fields": {
            "msg_bytes_recv": 62619376,
            "msg_bytes_sent": 8386920,
            "msg_dropped": 0,
            "rdma_bytes": 5236588544,
            "rdma_ops": 4994,
            "req_recv": 55176,
            "req_sent": 0,
            "rsp_recv": 0,
            "rsp_sent": 55176
          },
          "measurement": "perf",
          "tags": {
            "Hostname": "infinia-redvm-1",
            "Metric": "RDMA"
          }
        }
      ]
    }
  ]
}
```

Code	Description	Links
	<pre> "cluster": "red01", "instance": "1", "instanceUUID": "ec02ace0-14bf-4d98-9fdd- 169b896f0658", "subsystem": "rpc", "tag_0": "network", "tag_1": "client[0][10000]" </pre>	

Example Description

RED stats example

GET /stats/config Get RED stats config



Parameters

Try it out

No parameters

Responses

Code	Description	Links
------	-------------	-------

200 No links

Get RED stats config success

Media type

application/json

Examples

success

Controls Accept header.

Example Value Schema

```

[
  {
    "CollectFreq": 10,
    "CurrentQlen": 10,
    "LatestTS": 1714137398,
    "MaxQLen": 10,
    "MemoryInUse": 7740,
    "Name": "spdkstat",
    "State": 0,
    "TargetType": 4
  },
  {
    "CollectFreq": 10,
    "CurrentQlen": 10,
    "LatestTS": 1714137395,
    "MaxQLen": 10,
  }
]

```

Code	Description	Links
	<pre>"MemoryInUse": 15000, "Name": "hugepages", "State": 0, "TargetType": 1 }, { "CollectFreq": 10, "CurrentQlen": 10, "LatestTS": 1714137399, "MaxQLen": 10, "MemoryInUse": 2064061,</pre>	

Example Description

RED stats config example

PUT /stats/config Update stats settings 

Parameters

[Try it out](#)

No parameters

Request body required

application/json

Example Value Schema

```
{
  "target": "cpu",
  "max": 600,
  "freq": 5
}
```

Responses

Code	Description	Links
200	Stats config successfully updated	<i>No links</i>

TESTS REDAPI tests management APIs



GET /tests/network/agents/{cluster_name} Get network test agent UUIDs 

Parameters **Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster

Responses

Code	Description	Links
200	Get the network test agent UUIDs for specified cluster	<i>No links</i>

GET /tests/network/{cluster_name}/{test_uuid} Get network test status 

Parameters **Try it out**

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
test_uuid * required string (path)	Unique identifier for network test test_uuid - Unique identifier for network test

Responses

Code	Description	Links
200	Get the network test status specified tests	No links

Media type Examples

application/json

success

Controls Accept header.

Example Value Schema

```
{
  "output": [
    {
      "bottom15": [
        {
          "endpoint": "2_instance",
          "hostname": "infinia-redvm-2",
          "iops": 109669.15613233754
        }
      ],
      "results": [
        {
          "bw": 0,
          "bw_ext": {
            "avg": 0,
            "max": 0,
            "min": 0
          },
          "endpoint": "1_instance",
          "hostname": "infinia-redvm-1",
          "iops": 109958.9670123099,
          "iops_ext": {
            "avg": 109958.9670123099,
            "max": 109958.9670123099,
            "min": 109958.9670123099
          },
          "latency": {
            "avq": 9.094301512381888,
            "max": 9.094301512381888
          }
        }
      ]
    }
  ]
}
```

Example Description

Network test status example

POST	/tests/network/{cluster_name} Start network test				
Parameters		Try it out			
<table border="1"> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>cluster_name * required string</td><td>Unique identifier for cluster</td></tr> </tbody> </table>		Name	Description	cluster_name * required string	Unique identifier for cluster
Name	Description				
cluster_name * required string	Unique identifier for cluster				

Name	Description
(path)	cluster_name - Unique identifier for cluster
test_filter string (query)	Tests to include in the run test_filter - Tests to include in the run
prd integer (query)	PRD test group prd - PRD test group
group string (query)	Agent group group - Agent group

Request body required

application/json

Example Value Schema

string

Responses

Code	Description	Links
201	Start network test for specified cluster	No links

Media type

Examples

application/json

success

Controls Accept header.

Example Value Schema

a3e16984-5e73-4362-99c4-33430659a762

Code	Description	Links
Example Description		
Network test start example		
GET	/tests/network/{cluster_name} Get network test agent groups	
Parameters		Try it out
Name	Description	
cluster_name * required string (path)	Unique identifier for cluster	cluster_name - Unique identifier for cluster
Responses		
Code	Description	Links
200	Get the network test agent groups	No links
Media type  		Examples
Controls Accept header.		
Example Value Schema		
<pre>{ "groups": { "reds3": { "enum": ["2589dd77-a1d6-4276-8d10-1f105f3dccc3", "5ee25036-c26f-4fa1-9682-ef516994481d", "c7b0925e-3afc-4f42-b40e-82db183f4268"] } } }</pre>		

Code	Description	Links																		
Example Description																				
Network test get agent groups example																				
POST	/tests/verify_network Verify network connectivity																			
Parameters <div style="float: right;">Try it out</div>																				
<table border="1"> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>target string (query)</td><td>Target target - Target</td></tr> </tbody> </table>			Name	Description	target string (query)	Target target - Target														
Name	Description																			
target string (query)	Target target - Target																			
Responses																				
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Code	Description	Links																		
201	Verify network connectivity	No links																		
Media type <div style="border: 2px solid green; padding: 2px;">application/json</div>		Examples <div style="border: 1px solid black; padding: 2px; display: inline-block;">success</div>																		
Controls Accept header.																				
Example Value Schema																				
<pre>{ "infinia-redvm-1": [{ "type": "redagent", "hostname": "infinia- redvm-2", "ip": "250.58.174.230", "result": true }, { "type": "redagent", "hostname": "infinia- redvm-2", "ip": "250.58.174.230", "result": true }] }</pre>																				

Code	Description	Links
	<pre> "type": "redagent", "hostname": "infinia- redvm-3", "ip": "250.58.174.216", }, "result": true { "type": "redagent", "hostname": "infinia- redvm-3", "ip": "250.58.174.216", }, "result": true { "type": "redapi". </pre>	

Example Description

Verify network connectivity example

POST /tests/local_verify_network Verify network connectivity 

Parameters



No parameters

Responses

Code	Description	Links
201	Verify network connectivity from local host	<i>No links</i>

GET /tests/kvcl/{cluster_name} Get redkvcl_test_rpc test status 

Parameters



Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster

Responses

Code	Description	Links
200	Get status of started redkvcl_test_rpc test for specified cluster Media type application/json Examples success Controls Accept header. Example Value Schema <pre>{ "error": "red client library is not yet ready for I/O. Retry with timeout of 1 secs !\n3000 ops executed, 0 of them failed\n\n", "output": "T* I --- Completing all iterations: 1231 assign ops/sec; 16713 lookup ops/sec; ---\n", "status": "Complete" }</pre>	No links

Example Description

Status of started redkvcl_test_rpc test example

POST	/tests/kvcl/{cluster_name} Start redkvcl_test_rpc test	
Parameters		Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
sync bool (query)	Run synchronously (i.e. blocking) sync - Run synchronously (i.e. blocking)
Request body required	application/json

Example Value Schema

```
{
  "async": true,
  "keygen": true,
  "ignore-errors": true,
  "cpu": "string",
  "cleanup": true,
  "iterations": 1,
  "key-group-size": 0,
  "unique-keys": 1000,
  "key-at-start": true,
  "key-length": "0-324",
  "key-prefix": "string",
  "read": true,
  "random-key": "sequential",
  "value-range": "0-1024",
  "threads": 1,
  "time-limit": 0,
  "no-lock": true,
  "write": true,
  "tenant": "red",
  "subtenant": "red",
  "dataset": "red"
}
```

Responses

Code	Description	Links
201	Start redkvcl_test_rpc test for specified cluster	No links

Code	Description	Links
<p>Media type application/json</p> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>Successfully started redkvcl_test_rpc</pre>	<p>Examples success</p>	

<p>Example Description</p> <p>Start redkvcl_test_rpc test example</p>		
GET	/tests/iotest/{cluster_name} Get IO test status	
Parameters	Try it out	
Name	Description	
cluster_name * required string (path)	Unique identifier for cluster	
	cluster_name - Unique identifier for cluster	
<p>Responses</p>		
Code	Description	Links
200	Get status of started IO test for specified cluster	No links
<p>Media type application/json</p> <p>Controls Accept header.</p> <p>Example Value Schema</p>	<p>Examples success</p>	

Code	Description	Links
	<pre>{ "1": { "cat[1)": [{ "volume": "infinia-redvm-1:/dev/ sdb", "params": { "sequential": false, "write": true, "io_size": 4096, "max_cmds": 16, "test_cycles": 100000000, "seconds": 1 }, "state": "completed", "date": "2024-05-23 13:32:17", "ios_done": 736, "bytes_done": 3014656, "cot_ios_issued": 736, "cot_obj_blk_msk": 15, "cot_start_lba": 16, "cot_end_lba": 31708911, "cot_next_lba": 16, "iops": 721, "mbs": 2, "latency_min": 18164, "latency_ave": 22055, "latency_max": 30075, "status": "Success" }] } }</pre>	

Example Description

Start io test example

POST /tests/iotest/{cluster_name} Start IO test 

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster

cluster_name - Unique identifier for cluster

Request body required

application/json

Example Value Schema

```
{
  "size": 4096,
  "count": 100000000,
```

```

    "depth": 16,
    "seconds": 1,
    "sequential": false,
    "write": true
}

```

Responses

Code	Description	Links
201	Start IO test for specified cluster	<i>No links</i>

Media type

application/json

Examples

success

Controls Accept header.

Example Value Schema

```
{
  "1": {
    "cat[1)": {
      "status": "Cat iotest started"
    },
    "cat[2)": {
      "status": "Cat iotest started"
    },
    "cat[3)": {
      "status": "Cat iotest started"
    },
    "cat[4)": {
      "status": "Cat iotest started"
    }
  },
  "2": {
    "cat[5)": {
      "status": "Cat iotest started"
    },
    "cat[6)": {
      "status": "Cat iotest started"
    },
    "cat[7)": {
      "status": "Cat iotest started"
    },
    "cat[8)": {
      "status": "Cat iotest started"
    }
  }
}
```

Example Description

Start io test example

CONFIGS REDAPI configuration management APIs



GET /configs/produce Get initial config



Parameters

[Try it out](#)

Name	Description
cluster-name string (query)	Cluster name cluster-name - Cluster name
source-config-name string (query)	Source config name source-config-name - Source config name
target-config-name string (query)	Target config name target-config-name - Target config name
disableOverride boolean (query)	Disable hardware specific tuning overrides --
availabilityRank string (query)	Rank used for auto generated dataset profiles availability-rank - Rank used for auto generat

Responses

Code	Description	Links
200	Get initial data config	No links

Code	Description	Links
Media type	Examples	
application/json	success	
Controls Accept header.		
Example Value	Schema	
	<pre>{ "result": { "cluster_name": "red01", "config_name": "test_config", "configs": { "default_config": { "tunables": { "c2s_credit_high": 64, "c2s_credit_low": 32, "rpc_rdma_pool_sz": 256, "rpc_s2s_credits": 128, "ring_max_ninflight": 16, "ring_max_dequeue_size": 16, "client_rdma_pool_sz": 256 }, "nodes": [{ "infinia-redvm-2": { "devices": { "infinia-redvm-2:/dev/sdb": { "bulk_cachesz": 107374182, "bept_cachesz": 214748364 }, "infinia-redvm-2:/dev/sdc": { "bulk_cachesz": 107374182, "bept_cachesz": 214748364 } } } }] } } } }</pre>	
Example Description		
Initial data config		

POST	/configs/produce	Create config	
Parameters		Try it out	
Name	Description		
cluster-name string (query)	cluster-name		
config-name string	config-name		

Name	Description
(query)	
is-auto boolean (query)	--
is-propose boolean (query)	--
is-populate boolean (query)	--
disable-override boolean (query)	Disable hardware specific tuning overrides --
initinstances boolean (query)	If true with is-propose true, initialize runtime config with instance data so cluster can be started. --

Request body

application/json

Example Value Schema

{}

Responses

Code	Description	Links
200	Data config	No links

Media type
Examples

application/json
success

Code	Description	Links
	<p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "Create": { "new_config": "test_config" }, "Notes": ["Applying HW specific defaults for SKU Virtual Machine", "Config test_config created."] }</pre> <p>Example Description</p> <p>Create config result</p>	

PATCH	/configs/produce	Produce runtime	
Parameters		Try it out	
No parameters			
Request body		application/json	
<p>Example Value Schema</p> <pre>{ "cluster_name": "red01" }</pre>			
Responses			
Code	Description	Links	
200	Data config	<i>No links</i>	

POST /configs/cpuset Update CPU set 

Parameters Try it out

Name	Description
id <small>string (query)</small>	UUID, Instance ID to be updated <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; margin-top: 10px;">id - UUID, Instance ID to be updated</div>
config <small>string (query)</small>	Name of the config to be updated <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; margin-top: 10px;">config - Name of the config to be updated</div>

Responses

Code	Description	Links
200	Update CPU set information	<i>No links</i>

POST /validate/cluster/{cluster_name}/configs/{config_name} Validate cluster config 

Parameters Try it out

Name	Description
cluster_name * required <small>string (path)</small>	Unique identifier for cluster <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; margin-top: 10px;">cluster_name - Unique identifier for cluster</div>
config_name * required <small>string (path)</small>	Unique identifier for config within a cluster

Name	Description	
config_name - Unique identifier for config with		
Request body <small>required</small>	application/json	
Example Value Schema		
<pre>{ "path": "rsm/clusters/red01/configs/test_config", "tree": { "cluster_uuid": "1060943c-b347-4075-bee8-4c2633ce4d0a", "config": "test_config", "networks": { "additionalProp1": { "type": "tcp", "name": "tcp-auto", "tags": ["NVME_DATA_SERVICE"], "policy": { "backup": true, "encryption": false, "cq_nentries": 16384, "max_cq_count": 64, "eq_nentries": 100, "weight": 0 }, "subnet": "" }, "additionalProp2": { "type": "tcp", "name": "tcp-auto", "tags": ["NVME_DATA_SERVICE"], } } } }</pre>		
Responses		
Code	Description	Links
200	Validate cluster config	<i>No links</i>

EVENTS REDAPI event management APIs



GET	/events	Get all events	
------------	---------	----------------	--

Parameters**Try it out**

Name	Description
limit integer (header)	Limit the size of listing (optional) limit - Limit the size of listing (optional)
message string (query)	Partial text search within the message. message - Partial text search within the mess
keyword string (query)	Keyword text search within the message. keyword - Keyword text search within the me
hostname string (query)	Host name to fetch events data of. hostname - Host name to fetch events data o
severity string (query)	Severity of the events(EMERG, ALERT, CRITC, ERROR, WARNG, NOTIC, INFO, DEBUG). severity - Severity of the events(EMERG, ALI
starttime string (query)	Returns events from this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to one hour ago) starttime - Returns events from this time star
endtime string (query)	Returns events till this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to now) endtime - Returns events till this time stamp(I

Responses

Code	Description	Links
200	Get all events	No links

GET /events/cluster/{cluster_name} Get cluster events 

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
limit integer (header)	Limit the size of listing (optional) limit - Limit the size of listing (optional)
message string (query)	Partial text search within the message. message - Partial text search within the mess
keyword string (query)	Keyword text search within the message. keyword - Keyword text search within the me
hostname string (query)	Host name to fetch events data of. hostname - Host name to fetch events data o
severity string (query)	Severity of the events(EMERG, ALERT, CRITC, ERROR, WARNG, NOTIC, INFO, DEBUG). severity - Severity of the events(EMERG, ALI

Name	Description
starttime string (query)	Returns events from this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to one hour ago)

starttime - Returns events from this time star

endtime string (query)	Returns events till this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to now)
-------------------------------------	---

endtime - Returns events till this time stamp(I

Responses

Code	Description	Links
200	Get cluster events	No links

GET /events/system Get system events



Parameters

[Try it out](#)

Name	Description
limit integer (header)	Limit the size of listing (optional)
	limit - Limit the size of listing (optional)
message string (query)	Partial text search within the message.
	message - Partial text search within the mess
keyword string (query)	Keyword text search within the message.

Name	Description
	keyword - Keyword text search within the me
hostname string (query)	Host name to fetch events data of. hostname - Host name to fetch events data o
severity string (query)	Severity of the events(EMERG, ALERT, CRITC, ERROR, WARNG, NOTIC, INFO, DEBUG). severity - Severity of the events(EMERG, ALI
starttime string (query)	Returns events from this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to one hour ago) starttime - Returns events from this time star
endtime string (query)	Returns events till this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to now) endtime - Returns events till this time stamp(I

Responses

Code	Description	Links
200	Get system events	No links

GET /events/admin Get admin events 

Parameters

[Try it out](#)

Name	Description
limit integer (header)	Limit the size of listing (optional) limit - Limit the size of listing (optional)
message string (query)	Partial text search within the message. message - Partial text search within the mess
keyword string (query)	Keyword text search within the message. keyword - Keyword text search within the me
hostname string (query)	Host name to fetch events data of. hostname - Host name to fetch events data o
severity string (query)	Severity of the events(EMERG, ALERT, CRITC, ERROR, WARNG, NOTIC, INFO, DEBUG). severity - Severity of the events(EMERG, ALI
starttime string (query)	Returns events from this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to one hour ago) starttime - Returns events from this time star
endtime string (query)	Returns events till this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to now) endtime - Returns events till this time stamp(l

Responses

Code	Description	Links
200	Get admin events	No links
GET	/events/hardware Get HMI events	
Parameters		Try it out
Name	Description	
limit integer (header)	Limit the size of listing (optional)	limit - Limit the size of listing (optional)
message string (query)	Partial text search within the message.	message - Partial text search within the mess
keyword string (query)	Keyword text search within the message.	keyword - Keyword text search within the me
hostname string (query)	Host name to fetch events data of.	hostname - Host name to fetch events data o
severity string (query)	Severity of the events(EMERG, ALERT, CRITC, ERROR, WARNG, NOTIC, INFO, DEBUG).	severity - Severity of the events(EMERG, ALI
starttime string (query)	Returns events from this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to one hour ago)	starttime - Returns events from this time star

Name	Description
endtime string (query)	Returns events till this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to now)

endtime - Returns events till this time stamp(I

Responses

Code	Description	Links
200	Get HMI events	No links

GET /events/dataservice Get data service events 

Parameters

[Try it out](#)

Name	Description
limit integer (header)	Limit the size of listing (optional)
	limit - Limit the size of listing (optional)
message string (query)	Partial text search within the message.
	message - Partial text search within the mess
keyword string (query)	Keyword text search within the message.
	keyword - Keyword text search within the me
hostname string (query)	Host name to fetch events data of.

Name	Description
	hostname - Host name to fetch events data o
servicename string (query)	Data service name to fetch events. servicename - Data service name to fetch ev
severity string (query)	Severity of the events(EMERG, ALERT, CRITC, ERROR, WARNG, NOTIC, INFO, DEBUG). severity - Severity of the events(EMERG, AL
starttime string (query)	Returns events from this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to one hour ago) starttime - Returns events from this time star
endtime string (query)	Returns events till this time stamp(Layout:2006-01-02_15:04:05). Optional(if not specified default to now) endtime - Returns events till this time stamp(I

Responses

Code	Description	Links
200	Get HMI events	No links

GET /events2 Get RED system events



Parameters

[Try it out](#)

Name	Description
target string (query)	Name of target to get events from. For all targets specify 'all' target - Name of target to get events from. Fc
timestamp number (query)	Returns events which are latest than given timestamp. Optional(if not specified returns latest) timestamp - Returns events which are latest !
filter object (query)	Filter the events for specific tags. All events matching the filter list will be returned. <pre>{ "filter": { "source": "\0f7c16a3-1af5-4ea3-9795-d0eaeabc6dc" } }</pre>

//

Responses

Code	Description	Links
200	Get RED events success	No links

REALM REDAPI realm management APIs



GET /realm Get the current realm configuration



Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
------	-------------	-------

200	Get the realm configuration	<i>No links</i>
-----	-----------------------------	-----------------

Media type

application/json

Controls Accept header.

Example Value Schema

(no example available)

POST /realm Update realm configuration by DM



Parameters

[Try it out](#)

No parameters

Request body required

application/json

Example Value Schema

```
{
  "version": "string",
  "realm": {
    "name": "red_realm_001",
    "sites": [
      "string"
    ]
}
```

```

        "site1"
    ],
    "etcd_addresses": [
        "250.58.109.193:2379",
        "250.58.195.148:2379",
        "250.58.95.246:2379"
    ],
    "realm_keyspace_name": "storage_001",
    "admin_user": "realm_admin",
    "etcd_user": "etcd_admin",
    "etcd_unsecured": false,
    "jrpc_unsecured": false,
    "release_version": "1.0.4-beta.14077",
    "ext_registries": [
        "https://quay.io:443"
    ],
    "add_cert_dns": [
        "string"
    ],
    "add_cert_ips": [
        "string"
    ],
    "call home disable": false.

```

Responses

Code	Description	Links
200	Configuration updated successfully	No links
201	Configuration updated successfully	No links

PUT /realm Update realm configuration 

Parameters

[Try it out](#)

Name	Description
is-allocate-resources boolean (query)	Generating a config 'realm config_generate' before update. --

Name	Description
------	-------------

force-services string (query)	Update the selected services even if realm config not changed. force-services - Update the selected services
-------------------------------------	---

Request body required**application/json****Example Value** Schema

```
{
  "version": "string",
  "realm": {
    "name": "red_realm_001",
    "sites": [
      "site1"
    ],
    "etcd_addresses": [
      "250.58.109.193:2379",
      "250.58.195.148:2379",
      "250.58.95.246:2379"
    ],
    "realm_keyspace_name": "storage_001",
    "admin_user": "realm_admin",
    "etcd_user": "etcd_admin",
    "etcd_unsecured": false,
    "jrpc_unsecured": false,
    "release_version": "1.0.4-beta.14077",
    "ext_registries": [
      "https://quay.io:443"
    ],
    "add_cert_dns": [
      "string"
    ],
    "add_cert_ips": [
      "string"
    ],
    "call home disable": false,
  }
}
```

Responses

Code	Description	Links
------	-------------	-------

200	Configuration updated successfully	<i>No links</i>
201	Configuration updated successfully	<i>No links</i>

DELETE /realm Delete realm configuration



Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	Configuration deleted successfully	<i>No links</i>

POST /realm/upgrade Starts realm upgrade process



Parameters

[Try it out](#)

No parameters

Request body required

application/json

Example Value Schema

```
{
  "release_version": "string",
  "services": [
    "string"
  ],
  "fast_upgrade": true
}
```

Responses

Code	Description	Links
200	Realm upgrade process started	<i>No links</i>

Code	Description	Links
	<p>Media type application/json</p> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>string</pre>	

DELETE	/realm/upgrade	Delete realm upgrade process (not implemented yet)	
Parameters		Try it out	
No parameters			
Responses			
Code	Description	Links	
200	Realm upgrade process deleted	<i>No links</i>	

POST	/realm/upgrade/download	Starts realm upgrade downloading process	
Parameters		Try it out	
No parameters			
Request body <small>required</small>		application/json	
Example Value Schema			
<pre>{ "release_version": "string" }</pre>			

Responses

Code	Description	Links
200	Realm upgrade downloading process started	No links

Media type

application/json

Controls Accept header.

Example Value Schema

string

POST /realm/upgrade/enable Enable the version on a cluster 

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{
  "release_version": "string",
  "cluster": "string",
  "force": true
}
```

Responses

Code	Description	Links
200	Realm upgrade version to enable	No links

Code	Description	Links
GET	/realm/upgrade/channels Get a list of release channels	
Parameters		Try it out
No parameters		
Responses		
Code	Description	Links
200	Get a list of release channels	<i>No links</i>
<p>Media type</p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>["string"]</pre>		

GET	/realm/upgrade/releases	Get a list of releases to upgrade realm to	
Parameters		Try it out	
Name Description			
<p>channel string (query) Release channel</p> <p><i>Available values : stable, unstable</i></p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">--</div>			
all	Get all version info.		

Name	Description
------	-------------

**boolean
(query)**

--

Responses

Code	Description	Links
------	-------------	-------

200 Get a list of releases to upgrade realm to *No links*

Media type

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "version": "string",
    "channel": "string",
    "date": "2024-10-28T20:24:33.113Z",
    "notes": "string",
    "services": [
      {
        "name": "string",
        "version": "string"
      }
    ]
  }
]
```

POST /realm/upgrade/releases Update releases metadata to upgrade realm to 

Parameters

Try it out

No parameters

Request body

application/json

Example Value Schema

```
{
  "release_metadata": "string"
}
```

Responses

Code	Description	Links
200	Release metadata successfully updated	No links

PUT /realm/start Start realm service(s)



Parameters

[Try it out](#)

Name	Description
service string (header)	RED service service - RED service
node string (header)	RED node hostname or address node - RED node hostname or address

Responses

Code	Description	Links
200	RED services are started	No links

PUT /realm/stop Stop realm service(s)



Parameters

[Try it out](#)

Name	Description
service string (header)	RED service service - RED service

node string (header)	RED node hostname or address node - RED node hostname or address
----------------------------	---

Responses

Code	Description	Links
200	RED services are stopped	No links

PUT /realm/restart Restart realm service(s) 

Parameters

[Try it out](#)

Name	Description
service string (header)	RED service service - RED service

node string (header)	RED node hostname or address node - RED node hostname or address
----------------------------	---

Responses

Code	Description	Links
200	Services are restarted	No links

GET /realm/status Get detailed status of deployed services 

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Get the detailed status of deployed services	No links

Media type

application/json

Controls `Accept` header.

Example Value Schema

(no example available)

GET /realm/node_status Get realm nodes status 

Parameters

Try it out

Name	Description
withetcdmembers boolean (query)	Node status with etcd members. --

Responses

Code	Description	Links
200	Get the realm nodes status Media type application/json Controls Accept header. Example Value Schema (no example available)	No links

GET /realm/agent_status Get detailed status of agents (deprecated) 

Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	Get the detailed status of agents	No links

GET /realm/agents/{agent_subtype}/status Get detailed status of agents 

Parameters **Try it out**

Name	Description
agent_subtype * required <small>string (path)</small>	The subtype of agents <i>Available values : all, instance, reds3</i>
all	

Responses

Code	Description	Links
200	Get the detailed status of agents	No links

GET /realm/stats RED get realm stats 

Parameters **Try it out**

Name	Description
node <small>array[string] (query)</small>	Name of nodes to get stats from. Optional(if not specified returns stats from all nodes)
target <small>string (query)</small>	Name of target to get stats from. For all targets specify 'all'
target - Name of target to get stats from. For	
timestamp <small>number (query)</small>	Returns stats which are latest than given timestamp. Optional(if not specified returns latest)

Name	Description
filter	timestamp - Returns stats which are latest than the timestamp
object (query)	Filter the measurement for specific tags. All measurements matching the filter list will be returned

```
{
  "filter": {
    "\\"subsystem\\":\\"rpc\\",
    "\\"tag_0\\":\\"network\\",
    "\\"tag_1\\":\\"aggregate\\"
  }
}
```

//

Name	Description
function object (query)	Stats function name to get data by host(s)

```
{
  "filter": {
    "utilization"
  }
}
```

//

Responses

Code	Description	Links
200	RED get realm stats returned successfully	No links

GET /realm/events2 Get RED realm events



Parameters

[Try it out](#)

Name	Description
node array[string] (query)	Name of nodes to get events from. Optional(if not specified returns stats from all nodes)
target string (query)	Name of target to get events from. For all targets specify 'all'
	target - Name of target to get events from. Fc
timestamp number (query)	Returns events which are latest than given timestamp. Optional(if not specified returns latest)
	timestamp - Returns events which are latest !

Name	Description
filter object (query)	Filter the events for specific tags. All events matching the filter list will be returned <pre>{ "filter": { "source": "0f7c16a 3-1af5-4ea3-9795- d0eaeabc6dc" } }</pre>

Responses

Code	Description	Links
200	Get RED realm stats returned successfully	No links

GET /realm/config_generate Get generate realm configuration 

Parameters

[Try it out](#)

Name	Description
agent-addrs string (header)	Comma separate list of redclient server addresses. Optional <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">agent-addrs - Comma separate list of redclie</div>
client-addrs string	Comma separate list of redagent server addresses. Optional

Name	Description
(header)	client-addrs - Comma separate list of redage!
etcd-addrs string	Comma separate list of etcd server addresses. Optional
(header)	etcd-addrs - Comma separate list of etcd ser
hugemem string	Memory, in MB, to allocate in hugepages for RED daemon. Optional
(header)	hugemem - Memory, in MB, to allocate in huç
mem-limit string	Memory limit, in MB, for every service container. Optional
(header)	mem-limit - Memory limit, in MB, for every sei
cpus string	Maximum CPU resources (e.g. 0.25), for every service container. Optional
(header)	cpus - Maximum CPU resources (e.g. 0.25), i
red-addrs string	Comma separated list of RED server addresses to select. Optional
(header)	red-addrs - Comma separated list of RED sei
realm-name string	Realm name. Optional
(header)	realm-name - Realm name. Optional
vhost boolean	Configure vhost role on each RED server.
(header)	--
reds3-disable boolean	Disable reds3.
(header)	--
metrics-disable boolean	Disable tsdb.

Name	Description
(header)	--
s3replication integer (header)	Number of s3 replication nodes. s3replication - Number of s3 replication node
listen-port integer (header)	reds3 listen port. Default is 8111. Default value : 8111
	8111
addcertdns string (header)	Comma separate list of additional server certificate domains. Optional addcertdns - Comma separate list of addition
addcertips string (header)	Comma separate list of additional server certificate ips. Optional addcertips - Comma separate list of addition
call-home-max-uploads-per-hour integer (header)	Max uploads per hour. Default uploads per hour is 2 call-home-max-uploads-per-hour - Max uploa
call-home-backend string (header)	Call home backend (ddn_development, ddn_production) call-home-backend - Call home backend (ddr
call-home-disable string (header)	Disable calling logs back to home. Optional Available values : true, false
	--

Responses

Code	Description	Links
200	<p>Gets the generated configuration</p> <p>Media type</p> <p>application/json</p> <p>Controls Accept header.</p> <p>Example Value Schema</p> <p>(no example available)</p>	No links

DMGR REDAPI deployment manager management APIs



GET	/dmgr/status	Get detailed status of deployment manager	
Parameters		Try it out	
No parameters			
Responses			
Code	Description	Links	
200	Gets the detailed status of deployment manager	No links	

GET	/dmgr/describe	Get detailed internal configuration of deployment manager	
Parameters		Try it out	
No parameters			

Responses

Code	Description	Links
200	Gets the detailed deployment manager' internal configuration	No links

PUT `/dmgr/abort` Cancel current active controller's error and mark it as failed 

Parameters

[Try it out](#)

Name	Description
controller string <i>(query)</i>	Controller name to abort if provided controller - Controller name to abort if provide

Responses

Code	Description	Links
200	Abort active or specified controller execution and reset controller state	No links

PUT `/dmgr/continue` Resets active controller's error to continue task execution 

Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	Resets active controller's error to continue task execution	No links

PUT `/dmgr/rollback` Rollback current active controller state to previous one 

Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	Rollback current active controller state to previous one	No links

PUT `/dmgr/enable` Enables deployment manager to reconcile realm configuration 

Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	Enables deployment manager	No links

PUT `/dmgr/disable` Disables deployment manager to reconcile realm configuration 

Parameters**Try it out**

Name	Description
------	-------------

force-clear boolean <i>(query)</i>	If true, automatically clears DMGR' internal configuration, to load from ETCD's realm_config during enable
--	--

--

disable-reconcilement-only boolean <i>(query)</i>	If true, disable configuration reconciliation only to redsetup nodes
---	--

--

Responses

Code	Description	Links
200	Disables deployment manager	No links

SERVICES REDAPI services management APIs ▼**REDHMI** REDAPI HMI management APIs ▼**GET** /hmi Get information about hmi 🔒**Parameters****Try it out**

No parameters

Responses

Code	Description	Links
200	Get HMI Information	No links

GET /hmi/drives Get list of drives 

Parameters

[Try it out](#)

Name	Description
------	-------------

type
string
(query) Type of drive (NVME or SAS or SATA)

type - Type of drive (NVME or SAS or SATA)

host
string
(query) Hostname or UUID

host - Hostname or UUID

Responses

Code	Description	Links
200	Get list of drives	No links

GET /hmi/servers Get list of servers 

Parameters

[Try it out](#)

Name	Description
------	-------------

from
string Start listing from (optional)

Name	Description
(header) filter string	from - Start listing from (optional)
(header) keyword string	Partial text search (optional)
(header) limit integer	filter - Partial text search (optional)
(header) keyword string	Keyword text search (optional)
(header) limit integer	keyword - Keyword text search (optional)
(header) limit integer	Limit the size of listing (optional)
(header) limit integer	limit - Limit the size of listing (optional)

Responses

Code	Description	Links
200	Get list of servers	No links

GET /hmi/server Get information about default server 

Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	Get server information	No links

GET /hmi/servers/{server_id} Get information about server 

Parameters

Try it out

Name	Description
------	-------------

server_id * required

string
(path) Unique identifier for server

server_id - Unique identifier for server

Responses

Code	Description	Links
200	Get server information	No links

POST /hmi/servers/{server_id}/power/on Power on the server 

Parameters

Try it out

Name	Description
------	-------------

server_id * required

string
(path) Unique identifier for server

server_id - Unique identifier for server

target-server
string Target server hostname/uuid

Name	Description	
(query)	target-server - Target server hostname/uuid	
Responses		
Code	Description	Links
200	Server powered on	No links
POST <code>/hmi/servers/{server_id}/power/off</code> Power off the server		
Parameters <div style="float: right; border: 1px solid #ccc; padding: 2px 10px; border-radius: 5px; margin-right: 10px;">Try it out</div>		
Name	Description	
server_id * required		
string (path)	Unique identifier for server	
	server_id - Unique identifier for server	
target-server		
string (query)	Target server hostname/uuid	
	target-server - Target server hostname/uuid	
Responses		
Code	Description	Links
200	Server powered off	No links

POST /hmi/servers/{server_id}/power/reset Reset the server 

Parameters Try it out

Name	Description
server_id * required string (path)	Unique identifier for server <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; margin-top: 10px;">server_id - Unique identifier for server</div>
type string (query)	Reset type, 'cold' or 'warm' <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; margin-top: 10px;">type - Reset type, 'cold' or 'warm'</div>
target-server string (query)	Target server hostname/uuid <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; margin-top: 10px;">target-server - Target server hostname/uuid</div>

Responses

Code	Description	Links
200	Server power reset	No links

POST /hmi/servers/{server_id}/power/status Power status of the server 

Parameters Try it out

Name	Description
server_id * required string (path)	Unique identifier for server

Name	Description
	server_id - Unique identifier for server
target-server string (query)	Target server hostname/uuid target-server - Target server hostname/uuid

Responses

Code	Description	Links
200	Server power status	No links

POST /hmi/servers/{server_id}/indicator/on Turn on the server indicator 

Parameters

[Try it out](#)

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server
target-server string (query)	Target server hostname/uuid target-server - Target server hostname/uuid

Responses

Code	Description	Links
200	Server indicator turned on	No links

POST	/hmi/servers/{server_id}/indicator/off	Turn off the server indicator	
Parameters		Try it out	
Name	Description		
server_id * required	Unique identifier for server		
string (path)	server_id - Unique identifier for server		
target-server	Target server hostname/uuid		
string (query)	target-server - Target server hostname/uuid		

Responses			
Code	Description	Links	
200	Server indicator tunred off	No links	

POST	/hmi/servers/{server_id}/indicator/blink	Blink server indicator	
Parameters		Try it out	
Name	Description		
server_id * required	Unique identifier for server		
string	server_id - Unique identifier for server		

Name	Description
(path)	server_id - Unique identifier for server
target-server string (query)	Target server hostname/uuid
	target-server - Target server hostname/uuid

Responses

Code	Description	Links
200	Blink server indicator	No links

POST /hmi/servers/{server_id}/bmclog Gather the server node BMC log 

Parameters

[Try it out](#)

Name	Description
server_id * required	
string (path)	Unique identifier for server
	server_id - Unique identifier for server

Responses

Code	Description	Links
200	Gathered server BMC log	No links

POST /hmi/servers/{server_id}/bmcevents Obtain the server node BMC events text 

Parameters Try it out

Name	Description
server_id * required string (path)	Unique identifier for server <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; margin-top: 10px;">server_id - Unique identifier for server</div>

Responses

Code	Description	Links
200	Obtained server BMC events	No links

POST /hmi/servers/{server_id}/bmcinfo Update server bmc info 

Parameters Try it out

Name	Description
server_id * required string (path)	Unique identifier for server <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; margin-top: 10px;">server_id - Unique identifier for server</div>
ipaddress string (query)	IP address to change <div style="border: 1px solid #ccc; padding: 5px; border-radius: 5px; margin-top: 10px;">ipaddress - IP address to change</div>
networkmask string (query)	Netmask to change

Name	Description
	networkmask - Netmask to change
gateway string (query)	Gateway to change gateway - Gateway to change

Responses

Code	Description	Links
200	Updated server bmc info	No links

GET /hmi/servers/{server_id}/nics Get the list of nics 

Parameters

[Try it out](#)

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server

Responses

Code	Description	Links
200	Get the list of nics	No links

GET /hmi/servers/{server_id}/nics/{nic_id} Get the nic details 

Parameters		Try it out
Name	Description	
server_id * required string (path)	Unique identifier for server	server_id - Unique identifier for server
nic_id * required string (path)	Unique identifier for nic	nic_id - Unique identifier for nic

Responses

Code	Description	Links
200	Get the nic details	No links

POST /hmi/servers/{server_id}/nics/{nic_id}/fwupdate network adapter firmware update 

Parameters		Try it out
Name	Description	
server_id * required string (path)	Unique identifier for server	server_id - Unique identifier for server
nic_id * required string (path)	Unique identifier for nic	

Name	Description
nic_id	Unique identifier for nic
path string (query)	Filepath to the firmware binary path - Filepath to the firmware binary
status bool (query)	Check status of the FW Update status - Check status of the FW Update

Responses

Code	Description	Links
200	NIC fw updated successfully	No links

GET /hmi/servers/{server_id}/drives		Try it out
Parameters		
Code		
200		No links
Parameters		
Name	Description	
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server	
type string (query)	Type of drive (NVME or SAS or SATA) type - Type of drive (NVME or SAS or SATA)	

Responses

Code	Description	Links
200	Get list of drives	No links

GET /hmi/servers/{server_id}/drives/{drive_id} Get information about drive



Parameters

Try it out

Name	Description
------	-------------

server_id * required

string
(path)
Unique identifier for server

server_id - Unique identifier for server

drive_id * required

string
(path)
Unique identifier for drive

drive_id - Unique identifier for drive

Responses

Code	Description	Links
200	Get drive information	No links

POST /hmi/servers/{server_id}/drives/{drive_id}/power/on Power on the server drive



Parameters

Try it out

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server
drive_id * required string (path)	Unique identifier for drive drive_id - Unique identifier for drive

Responses

Code	Description	Links
200	Server drive powered on	No links

POST /hmi/servers/{server_id}/drives/{drive_id}/power/off Power off the server drive



Parameters

[Try it out](#)

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server
drive_id * required string (path)	Unique identifier for drive drive_id - Unique identifier for drive

Responses

Code	Description	Links
200	Server drive powered off	No links

POST	/hmi/servers/{server_id}/drives/{drive_id}/power/reset	Reset the server drive	
Parameters		Try it out	
Name	Description		
server_id * required	Unique identifier for server		
string (path)		server_id - Unique identifier for server	
drive_id * required	Unique identifier for drive		
string (path)		drive_id - Unique identifier for drive	

Responses

Code	Description	Links
200	Power reset server drive	No links

POST	/hmi/servers/{server_id}/drives/{drive_id}/power/replace	Replace the server drive	
Parameters		Try it out	
Name	Description		
server_id * required	Unique identifier for server		

Name	Description
string (path)	server_id - Unique identifier for server
drive_id * required string (path)	Unique identifier for drive drive_id - Unique identifier for drive

Responses

Code	Description	Links
200	Replace server drive	No links

POST	/hmi/servers/{server_id}/drives/{drive_id}/indicator /on	Turn on server drive indicator	
-------------	---	--------------------------------	---

Parameters	Try it out				
<table border="1"> <thead> <tr> <th>Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>server_id * required string (path)</td> <td>Unique identifier for server server_id - Unique identifier for server</td></tr> </tbody> </table>	Name	Description	server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server	
Name	Description				
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server				
<table border="1"> <tbody> <tr> <td>drive_id * required string (path)</td> <td>Unique identifier for drive drive_id - Unique identifier for drive</td></tr> </tbody> </table>	drive_id * required string (path)	Unique identifier for drive drive_id - Unique identifier for drive			
drive_id * required string (path)	Unique identifier for drive drive_id - Unique identifier for drive				

Responses

Code	Description	Links
200	Server drive indicator turned on	No links

POST `/hmi/servers/{server_id}/drives/{drive_id}/indicator/off` Turn off server drive indicator 

Parameters**Try it out**

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server
drive_id * required string (path)	Unique identifier for drive drive_id - Unique identifier for drive

Responses

Code	Description	Links
200	Server drive indicator turned off	No links

POST `/hmi/servers/{server_id}/drives/{drive_id}/indicator/blink` Blink server drive indicator 

Parameters**Try it out**

Name	Description
server_id * required string	Unique identifier for server

Name	Description
(path)	server_id - Unique identifier for server
drive_id * required string (path)	Unique identifier for drive drive_id - Unique identifier for drive

Responses

Code	Description	Links
200	Blink server drive indicator	No links

GET	/hmi/servers/{server_id}/drives/{drive_id} /smartdata	Get the server drive smartdata	
-----	--	--------------------------------	--

Parameters

[Try it out](#)

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server
drive_id * required string (path)	Unique identifier for drive drive_id - Unique identifier for drive

Responses

Code	Description	Links															
200	Get server drive smartdata	No links															
GET	/hmi/servers/{server_id}/drives/{drive_id}/log	Get the server drive vendor logs 															
Parameters																	
<table border="1"> <thead> <tr> <th>Name</th><th>Description</th><th></th></tr> </thead> <tbody> <tr> <td>server_id * required string (path)</td><td>Unique identifier for server</td><td>server_id - Unique identifier for server</td></tr> <tr> <td>drive_id * required string (path)</td><td>Unique identifier for drive</td><td>drive_id - Unique identifier for drive</td></tr> <tr> <td>page integer (query)</td><td>Required log page number</td><td>page - Required log page number</td></tr> <tr> <td>logLen integer (query)</td><td>Required log length</td><td>logLen - Required log length</td></tr> </tbody> </table>			Name	Description		server_id * required string (path)	Unique identifier for server	server_id - Unique identifier for server	drive_id * required string (path)	Unique identifier for drive	drive_id - Unique identifier for drive	page integer (query)	Required log page number	page - Required log page number	logLen integer (query)	Required log length	logLen - Required log length
Name	Description																
server_id * required string (path)	Unique identifier for server	server_id - Unique identifier for server															
drive_id * required string (path)	Unique identifier for drive	drive_id - Unique identifier for drive															
page integer (query)	Required log page number	page - Required log page number															
logLen integer (query)	Required log length	logLen - Required log length															
Responses																	
<table border="1"> <thead> <tr> <th>Code</th><th>Description</th><th>Links</th></tr> </thead> <tbody> <tr> <td>200</td><td>Get server drive vendor logs</td><td>No links</td></tr> </tbody> </table>			Code	Description	Links	200	Get server drive vendor logs	No links									
Code	Description	Links															
200	Get server drive vendor logs	No links															

POST /hmi/servers/{server_id}/drives/{drive_id}/firmware Update drive firmware 

Parameters		Try it out
Name	Description	
server_id * required string (path)	Unique identifier for server	server_id - Unique identifier for server
drive_id * required string (path)	Unique identifier for drive	drive_id - Unique identifier for drive
path string (query)	Path to the firmware file.	path - Path to the firmware file.
status boolean (query)	Get status of the fw update	--

Responses

Code	Description	Links
200	Drive firmware updated successfully	No links

GET /hmi/servers/{server_id}/nvmepcis Get the server NVMe drive pci list 

Parameters		Try it out
------------	--	----------------------------

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server

Responses

Code	Description	Links
200	Got server NVMe drive pci list	No links

POST	/hmi/servers/{server_id}/nvmepcis/{pci_bdf}/config	Configure NVMe device (bind/unbind to a driver)	
-------------	--	---	--

Parameters

Try it out

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server
pci_bdf * required string (path)	PCI ID of device pci_bdf - PCI ID of device
bind string (query)	Drive name to bind the NVMe device. bind - Drive name to bind the NVMe device.

Responses

Code	Description	Links
200	NVMe device configured successfully	<i>No links</i>

GET /hmi/servers/{server_id}/bios Get information about bios



Parameters

Try it out

Name	Description
server_id * required string (path)	Unique identifier for server

Responses

Code	Description	Links
200	Get bios information	<i>No links</i>

POST /hmi/servers/{server_id}/bios Update server bios with the specified version



Parameters

Try it out

Name	Description
server_id * required string (path)	Unique identifier for server
path	server_id - Unique identifier for server

Name	Description
string (query)	path - Filepath to the firmware binary
target-server string (query)	Target Server target-server - Target Server
reboot boolean (query)	Reboot after the upgrade --

Request body required

application/json

Example Value Schema

```
{
  "version": "string"
}
```

Responses

Code	Description	Links
200	Server bios updated successfully	No links

GET /hmi/servers/{server_id}/bios_config Get server BIOS config 

Parameters

Try it out

Name	Description
server_id * required string (path)	Unique identifier for server

Name	Description
server_id	Unique identifier for server
path string (query)	Filepath to save BIOS config
	path - Filepath to save BIOS config
target-server string (query)	Target Server
	target-server - Target Server

Responses

Code	Description	Links
200	Get server BIOS configuration	No links

POST /hmi/servers/{server_id}/bios_config Update server BIOS config 

Parameters

[Try it out](#)

Name	Description
server_id * required string (path)	Unique identifier for server
	server_id - Unique identifier for server
path string (query)	Filepath of BIOS config
	path - Filepath of BIOS config

Name	Description	
target-server string (query)	Target Server	
reboot boolean (query)	Reboot after BIOS config update	
Request body <small>required</small>	application/json	
Example Value	Schema	
{ "version": "string" }		
Responses		
Code	Description	Links
200	Server BIOS config updated successfully	No links

GET	/hmi/servers/{server_id}/bmcfw	Get information about bmcfw	
Parameters	Try it out		
Name	Description		
server_id * <small>required</small> string (path)	Unique identifier for server		

Responses

Code	Description	Links
200	Get bmcfw information	No links

POST /hmi/servers/{server_id}/bmcfw Update server bmcfw with the specified version



Parameters

[Try it out](#)

Name	Description
------	-------------

server_id * required

string
(path)

server_id - Unique identifier for server

path

string
(query)

Filepath to the firmware binary

path - Filepath to the firmware binary

target-server

string
(query)

Target Server

target-server - Target Server

Request body required

application/json

Example Value Schema

```
{
  "version": "string"
}
```

Responses

Code	Description	Links
200	Server bmcfw updated successfully	No links

GET /hmi/frus/{fru_id}/firmware Get information about fru firmware



Parameters

[Try it out](#)

Name	Description
fru_id * required string (path)	Unique identifier for fru fru_id - Unique identifier for fru

Responses

Code	Description	Links
200	Get fru firmware information	No links

POST /hmi/frus/{fru_id}/firmware Update fru firmware with the specified version



Parameters

[Try it out](#)

Name	Description
fru_id * required string (path)	Unique identifier for fru fru_id - Unique identifier for fru

Name	Description
activate boolean (query)	If true, Update and activate specified version --

Request body required

application/json

Example Value Schema

```
{
  "version": "string"
}
```

Responses

Code	Description	Links
200	Fru firmware updated successfully	No links

GET /hmi/servers/{server_id}/server_sensors Get sensors list



Parameters

Try it out

Name	Description
server_id * <small>required</small>	Unique identifier for server string (path) server_id - Unique identifier for server
type string (query)	Sensor type (TEMPERATURE or COOLING or VOLTAGE) type - Sensor type (TEMPERATURE or COO)
health	Sensor Health (OK, WARNING, CRITICAL, FATAL, UNKNOWN, ALL)

Name	Description
string (query)	health - Sensor Health (OK, WARNING, CRITICAL)

Responses

Code	Description	Links
200	Get server sensors list	No links

GET /hmi/servers/{server_id}/drive_sensors Get sensors list 

Parameters

[Try it out](#)

Name	Description
server_id * required	Unique identifier for server
string (path)	server_id - Unique identifier for server
type string (query)	Sensor type (TEMPERATURE or COOLING or VOLTAGE)
	type - Sensor type (TEMPERATURE or COO)
driveid string (query)	Drive Id
	driveid - Drive Id

Responses

Code	Description	Links
200	Get drive sensors list	No links

GET

/hmi/servers/{server_id}/server_sensor Get information about server sensor

**Parameters****Try it out**

Name	Description
------	-------------

server_id * requiredstring
(path)

Unique identifier for server

server_id - Unique identifier for server

namestring
(query)

Sensor Name/ID to show

name - Sensor Name/ID to show

Responses

Code	Description	Links
------	-------------	-------

200

Get server sensor information

No links

GET

/hmi/servers/{server_id}/drive_sensor Get information about drive sensor

**Parameters****Try it out**

Name	Description
------	-------------

server_id * required

string

Unique identifier for server

Name	Description
(path)	server_id - Unique identifier for server
name string (query)	Sensor Name/ID to show name - Sensor Name/ID to show

Responses

Code	Description	Links
200	Get drive sensor information	No links

PUT /hmi/servers/{server_id}/sensor Update sensor threshold 

Parameters



Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server

Request body required



Example Value Schema

```
{
  "name": "c1d76dbc-9b87-4197-8b1e-9bc8665bdd3a/sensors/1",
  "activation": "neither",
  "limit": "lower",
  "type": "critical",
  "value": 90
}
```

Responses

Code	Description	Links
200	Update sensor threshold	No links

POST /hmi/servers/{server_id}/sensor/reset Reset the server sensor 

Parameters

[Try it out](#)

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server

Request body required

application/json

Example Value Schema

```
{
  "name": "1"
}
```

Responses

Code	Description	Links
200	Server sensor reset successful	No links

GET /hmi/servers/{server_id}/frus/{fru_id} Get information about fru 

Parameters **Try it out**

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server
fru_id * required string (path)	Unique identifier for fru fru_id - Unique identifier for fru

Responses

Code	Description	Links
200	Get fru information	No links

POST /hmi/servers/{server_id}/frus/{fru_id}/power/on Power on the server fru 

Parameters **Try it out**

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server
fru_id * required string (path)	Unique identifier for fru

Name	Description
	fru_id - Unique identifier for fru

Responses

Code	Description	Links
200	Server fru powered on	No links

POST /hmi/servers/{server_id}/frus/{fru_id}/power/off Power off the server fru



Parameters

[Try it out](#)

Name	Description
server_id * required	Unique identifier for server
string (path)	server_id - Unique identifier for server
fru_id * required	Unique identifier for fru
string (path)	fru_id - Unique identifier for fru

Responses

Code	Description	Links
200	Server fru powered off	No links

METRIC REDAPI metric management APIs



SUPPORT REDAPI support session APIs



GET /sessions Get list of support sessions for all realm nodes 

Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	List of support sessions for all realm nodes	<i>No links</i>

Media type

application/json

Controls Accept header.

Example Value Schema

string

GET /sessions/{node} Get status of support session on the specified node 

Get status of support session on the specified node

Parameters

[Try it out](#)

Name	Description
node * required (path)	Hostname or control plane IP address of a single node

node - Hostname or control plane IP address

Responses

Code	Description	Links
200	Get status of support session on the specified node	No links
404	Node not found	No links

Media type

application/json

Controls Accept header.

Example Value Schema

string

POST	/sessions/{node}	Start a support session for the specified node	
------	------------------	--	---

Start a support session for the specified node

Parameters

[Try it out](#)

Name	Description
node * required (path)	Hostname or control plane IP address of a single node

Name	Description
node - Hostname or control plane IP address	

Request body	application/json
--------------	------------------

Example Value Schema

```
{
  "lifetime": "2h30m",
  "audit_email": "admin@example.com"
}
```

Responses

Code	Description	Links
201	Success - started support session	No links
400	Malformed properties	No links
404	Node not found (is realm configured?)	No links

PUT /sessions/{node} Set properties for active support session on the specified node



Set properties for active support session on the specified node

Parameters
[Try it out](#)

Name	Description
node * required <i>(path)</i>	Hostname or control plane IP address of a single node

Name**Description**

node - Hostname or control plane IP address

Request body required

application/json

Example Value Schema

```
{
  "lifetime": "2h30m",
  "audit_email": "admin@example.com"
}
```

Responses**Code****Description****Links**

204

Properties for active support session on the specified node

No links

400

Malformed properties or session is not active

No links

404

Node not found (is realm configured?)

No links

DELETE

/sessions/{node} Delete active support session on the specified node



Delete active support session on the specified node

Parameters**Try it out****Name****Description****node** * required*(path)*

Hostname or control plane IP address of a single node

Name**Description**

node - Hostname or control plane IP address

Responses**Code****Description****Links**

204

Success - deleted support session

No links

404

Node not found

*No links***GET**`/sessions/{node}/token` Get token for active support session on the specified node

Get token for active support session on the specified node

Parameters**Try it out****Name****Description****node** * required*(path)*

Hostname or control plane IP address of a single node

node - Hostname or control plane IP address

Responses**Code****Description****Links**

200

Token for active support session on the specified node

No links

Code	Description	Links
	<p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">string</div>	
400	Session is not active	No links
404	Node not found	No links

POST	/sessions/{node}/token	Create new token for active support session on the specified node	
-------------	------------------------	---	---

Create new token for active support session on the specified node	
Parameters	Try it out

Name	Description
node * required (path)	Hostname or control plane IP address of a single node

Code	Description	Links
201	Token for active support session on the specified node	No links

Code	Description	Links
	<p>application/json</p> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>string</pre>	
400	Session is not active	<i>No links</i>
404	Node not found	<i>No links</i>
GET	<code>/sessions/{node}/lifetime</code>	Get remaining lifetime for active support session on the specified node 
Get remaining lifetime for active support session on the specified node		
Parameters		Try it out
Name	Description	
node * required <i>(path)</i>	Hostname or control plane IP address of a single node	
<p>node - Hostname or control plane IP address</p>		
Responses		
Code	Description	Links
200	Remaining lifetime for active support session on the specified node	<i>No links</i>
	<p>Media type</p> <p>application/json</p>	

Code	Description	Links						
	Controls Accept header.							
	Example Value Schema							
	string							
400	Session is not active	No links						
404	Node not found	No links						
PUT	/sessions/{node} /lifetime	Set new lifetime, relative to the present, for active support session on the specified node 						
Set new lifetime, relative to the present, for active support session on the specified node								
Parameters		Try it out						
<table border="1"> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>node * required (path)</td><td>Hostname or control plane IP address of a single node</td></tr> <tr> <td colspan="2">node - Hostname or control plane IP address</td></tr> </tbody> </table>			Name	Description	node * required (path)	Hostname or control plane IP address of a single node	node - Hostname or control plane IP address	
Name	Description							
node * required (path)	Hostname or control plane IP address of a single node							
node - Hostname or control plane IP address								
Request body required		application/json						
Example Value Schema								
2h30m								
Responses								

Code	Description	Links
204	Success - set new lifetime, relative to the present, for active support session on the specified node	No links
400	Malformed lifetime value or session is not active	No links
404	Node not found	No links

GET	/sessions/{node} /audit_email	Get audit email for active support session on the specified node	
------------	--	--	---

Get audit email for active support session on the specified node

Parameters

[Try it out](#)

Name	Description
node * required (path)	Hostname or control plane IP address of a single node

node - Hostname or control plane IP address

Responses

Code	Description	Links
200	Audit email for active support session on the specified node	No links

Media type

application/json

Controls Accept header.

Example Value Schema

Code	Description	Links
	string	
400	Session is not active	No links
404	Node not found	No links
PUT	/sessions/{node} /audit_email	Set audit email for active support session on the specified node 
Set audit email for active support session on the specified node		
Parameters		Try it out
Name	Description	
node * required (path)	Hostname or control plane IP address of a single node	node - Hostname or control plane IP address
Request body required		application/json
Example Value Schema		
admin@example.com		
Responses		

Code	Description	Links
204	Success - set audit email for active support session on the specified node	No links
400	Malformed email address or session is not active	No links
404	Node not found	No links

TARGET



GET /forward/targets Get list of forward targets 

Parameters

[Try it out](#)

Name	Description
------	-------------

targettype * required

string
(header)

targettype - Target type

Responses

Code	Description	Links
200	Get all targets of specific types	No links

SERVICE



GET /clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/services/{service_name}

Get service 

Parameters**Try it out**

Name	Description
level string (header)	User level level - User level
servicetype string (header)	Service type servicetype - Service type
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
service_name * required string (path)	Service name service_name - Service name
verbose boolean (query)	Log verbose information --

Responses

Code	Description	Links															
200	Get Service	No links															
PUT	<code>/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/services/{service_name}</code>	Update Service 															
Parameters		Try it out															
<table border="1"> <thead> <tr> <th>Name</th><th>Description</th></tr> </thead> <tbody> <tr> <td>level string (header)</td><td>User level level - User level</td></tr> <tr> <td>servicetype string (header)</td><td>Service type servicetype - Service type</td></tr> <tr> <td>cluster_name * required string (path)</td><td>Unique identifier for cluster cluster_name - Unique identifier for cluster</td></tr> <tr> <td>tenant_name * required string (path)</td><td>Tenant name tenant_name - Tenant name</td></tr> <tr> <td>subtenant_name * required string (path)</td><td>Subtenant name subtenant_name - Subtenant name</td></tr> <tr> <td>service_name * required string (path)</td><td>Service name service_name - Service name</td></tr> <tr> <td>verbose</td><td>Log verbose information</td></tr> </tbody> </table>		Name	Description	level string (header)	User level level - User level	servicetype string (header)	Service type servicetype - Service type	cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	tenant_name * required string (path)	Tenant name tenant_name - Tenant name	subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name	service_name * required string (path)	Service name service_name - Service name	verbose	Log verbose information
Name	Description																
level string (header)	User level level - User level																
servicetype string (header)	Service type servicetype - Service type																
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster																
tenant_name * required string (path)	Tenant name tenant_name - Tenant name																
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name																
service_name * required string (path)	Service name service_name - Service name																
verbose	Log verbose information																

Name	Description
boolean (query)	--

Request body required**application/json****Example Value** Schema

```
{
  "name": "string",
  "servicetype": "string",
  "protocol": "string",
  "dpprofile": "string",
  "dataset": "string",
  "datasetsize": 0,
  "admins": "string",
  "viewers": "string",
  "serviceuser": "string",
  "networktag": "string",
  "vhost": "string",
  "hostheader": "string"
}
```

Responses

Code	Description	Links
200	Put Service	<i>No links</i>

DELETE `/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/services/{service_name}` Delete service 

Parameters	Try it out
------------	-------------------

Name	Description
------	-------------

level string <i>(header)</i>	User level
	level - User level

servicetype string	Service type
-------------------------------------	--------------

Name	Description
(header)	servicetype - Service type
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
service_name * required string (path)	Service name service_name - Service name

keepdataset
boolean
(query)
--

Service will be deleted by keeping its dataset.

Responses

Code	Description	Links
200	Delete service	No links

GET /clusters/{cluster_name}/tenants/{tenant_name}/services Get list of services



Parameters

Try it out

Name	Description
level string (header)	User level level - User level
servicetype string (header)	Service type servicetype - Service type
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
from string (header)	Start listing from (optional) from - Start listing from (optional)
filter string (header)	Partial text search (optional) filter - Partial text search (optional)
keyword string (header)	Keyword text search (optional) keyword - Keyword text search (optional)
limit integer (header)	Limit the size of listing (optional) limit - Limit the size of listing (optional)

Name	Description
verbose boolean (query)	Log verbose information --

Responses		
Code	Description	Links
200	Get all services	No links

POST	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/services	Create a new service	🔒
Creates a RED service object			

Parameters	Try it out
Name	Description
level string (header)	User level level - User level
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
subtenant_name * required string	Subtenant name

Name	Description
(path)	subtenant_name - Subtenant name
password string (header)	User password
verbose boolean (query)	password - User password
--	
Request body <small>required</small>	application/json

Example Value Schema

```
{
  "name": "string",
  "servicetype": "string",
  "protocol": "string",
  "dpprofile": "string",
  "dataset": "string",
  "datasetsize": 0,
  "admins": "string",
  "viewers": "string",
  "serviceuser": "string",
  "networktag": "string",
  "vhost": "string",
  "hostheader": "string"
}
```

Responses

Code	Description	Links
201	Success - added new service	No links

S3



GET /s3/access Get list of s3 access record(s)



Parameters**Try it out****Name** **Description**

level
string
(header)

User level

level - User level

user_id * required
string
(header)

User unique identifier

user_id - User unique identifier

s3_key_optional
string
(header)

S3 access key

s3_key_optional - S3 access key

all
boolean
(header)

Get list for all users

Responses**Code** **Description****Links**

200

Get access record(s)

No links

POST **/s3/access** Add s3 access record

**Parameters****Try it out****Name** **Description**

level
string
(header)

User level

Name	Description
	level - User level
user_id * required string (header)	User unique identifier user_id - User unique identifier
key_valid string (header)	Key validity duration key_valid - Key validity duration
group string (header)	User group group - User group
caps string (header)	User capabilities caps - User capabilities

Responses

Code	Description	Links
200	Access record successfully added	No links

PUT /s3/access Update s3 access record



Parameters

[Try it out](#)

Name	Description
level string (header)	User level level - User level
user_id * required string (header)	User unique identifier user_id - User unique identifier
s3_key * required string (header)	S3 access key s3_key - S3 access key
key_valid string (header)	Key validity duration key_valid - Key validity duration
group string (header)	User group group - User group
caps string (header)	User capabilities caps - User capabilities

Responses

Code	Description	Links
200	Access record successfully updated	No links

DELETE /s3/access Delete access record



Parameters

[Try it out](#)

Name	Description
------	-------------

level
string
(header)

level - User level

user_id * required
string
(header)

user_id - User unique identifier

s3_key * required
string
(header)

s3_key - S3 access key

Responses

Code	Description	Links
------	-------------	-------

200 Access record successfully deleted

No links

GET /s3/accesskeyhost Get access record by key and vhost



Parameters

[Try it out](#)

Name	Description
------	-------------

s3_key * required
string
(header)

S3 access key

Name	Description	
	s3_key - S3 access key	
s3_vhost * required string (header)	S3 vhost	
s3_vhost - S3 vhost		
Responses		
Code	Description	Links
200	Returns access record	No links
GET /s3/config Get s3 configuration		
Parameters		
Name	Description	
nodetails boolean (query)	Omit response details	
		--
Responses		
Code	Description	Links
200	Get s3 configuration	No links

POST /s3/config Create s3 configuration

Parameters

Try it out

Name	Description
level string <i>(header)</i>	User level level - User level
s3_subnet string <i>(header)</i>	S3 subnet s3_subnet - S3 subnet
s3_port integer <i>(header)</i>	S3 listening port s3_port - S3 listening port

Responses

Code	Description	Links
200	S3 configuration successfully created	No links

PUT /s3/config Update s3 configuration

Parameters

Try it out

Name	Description
s3_subnet string <i>(header)</i>	S3 subnet

Name	Description
	s3_subnet - S3 subnet
s3_port integer (header)	S3 listening port s3_port - S3 listening port
reset_subnet boolean (query)	Reset subnet value. --

Responses

Code	Description	Links
200	S3 configuration successfully updated	No links

DELETE /s3/config Delete s3 configuration 

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	S3 configuration successfully deleted	No links

GET /s3/bucket Get list of s3 bucket(s) 

Parameters**Try it out**

Name	Description
level string <i>(header)</i>	User level level - User level
bucket_optional string <i>(header)</i>	S3 bucket name bucket_optional - S3 bucket name
user_id_optional string <i>(header)</i>	User unique identifier (optional) user_id_optional - User unique identifier (opti
from string <i>(header)</i>	Start listing from (optional) from - Start listing from (optional)
filter string <i>(header)</i>	Partial text search (optional) filter - Partial text search (optional)
keyword string <i>(header)</i>	Keyword text search (optional) keyword - Keyword text search (optional)
limit integer <i>(header)</i>	Limit the size of listing (optional) limit - Limit the size of listing (optional)

Responses

Code	Description	Links
200	Get S3 bucket(s)	No links

POST /s3/bucket Create s3 bucket 

Parameters

[Try it out](#)

Name	Description
------	-------------

level string
(header)

level - User level

bucket * required string
(header)

S3 bucket name

bucket - S3 bucket name

bulk_quota integer
(header)

Bulk quota

bulk_quota - Bulk quota

user_id_optional string
(header)

User unique identifier (optional)

user_id_optional - User unique identifier (opti

Responses

Code	Description	Links
200	S3 bucket successfully created	No links

PUT /s3/bucket Update s3 bucket



Parameters

[Try it out](#)

Name Description

level
string
(header)

User level

level - User level

bucket * required
string
(header)

S3 bucket name

bucket - S3 bucket name

bulk_quota
integer
(header)

Bulk quota

bulk_quota - Bulk quota

user_id_optional
string
(header)

User unique identifier (optional)

user_id_optional - User unique identifier (opti

Responses

Code Description

Links

200

S3 bucket successfully updated

No links

DELETE /s3/bucket Delete s3 bucket



Parameters

[Try it out](#)

Name	Description
level string (header)	User level level - User level
bucket * required string (header)	S3 bucket name bucket - S3 bucket name
user_id_optional string (header)	User unique identifier (optional) user_id_optional - User unique identifier (opti

Responses

Code	Description	Links
200	S3 bucket successfully deleted	No links

GET /s3replication/endpoint Get s3 replication endpoint(s) 

Parameters	Try it out
Name	Description
level string (header)	User level level - User level
endpoint_name_optional string (header)	S3 replication endpoint

Name	Description			
endpoint_name_optional - S3 replication end				
Responses				
Code	Description	Links		
200	Get endpoint(s)	No links		
POST <code>/s3replication/endpoint</code> Add s3 replication endpoint 				
Parameters Try it out				
Name	Description			
level string (header)	User level			
	level - User level			
endpoint_name * required string (header)	S3 replication endpoint			
	endpoint_name - S3 replication endpoint			
Responses				
Code	Description	Links		
200	Endpoint successfully added	No links		

PUT /s3replication/endpoint Update s3 replication endpoint 

Parameters **Try it out**

Name	Description
level string (header)	User level level - User level
endpoint_name * required string (header)	S3 replication endpoint endpoint_name - S3 replication endpoint

Responses

Code	Description	Links
200	Endpoint successfully updated	No links

DELETE /s3replication/endpoint Delete s3 replication endpoint 

Parameters **Try it out**

Name	Description
level string (header)	User level level - User level
endpoint_name * required string (header)	S3 replication endpoint

Name	Description	
endpoint_name - S3 replication endpoint		

Responses

Code	Description	Links
200	Endpoint successfully deleted	No links

GET	/s3replication	Get list of s3 replication(s)	
Parameters		Try it out	
<hr/>			
Name	Description		
level string (header)	User level	level - User level	
replication_id_optional string (header)	S3 replication id	replication_id_optional - S3 replication id	
<hr/>			
Responses			
Code	Description	Links	
200	Returns replication record(s)	No links	

POST /s3replication Add s3 replication

Parameters

Name **Description**

level string (header)	User level
------------------------------------	------------

level - User level

replication_id * required string (header)	S3 replication id
--	-------------------

replication_id - S3 replication id

Responses

Code	Description	Links
200	Get replication success	No links

PUT /s3replication Update s3 replication

Parameters

Name **Description**

level string (header)	User level
------------------------------------	------------

level - User level

replication_id * required string (header)	S3 replication id
--	-------------------

replication_id - S3 replication id

Name	Description
	replication_id - S3 replication id
bandwidth integer (header)	S3 replication bandwidth bandwidth - S3 replication bandwidth
threads integer (header)	S3 replication threads threads - S3 replication threads
repetition integer (header)	S3 complete replication repetition repetition - S3 complete replication repetition
enablement string (header)	S3 replication enablement enablement - S3 replication enablement

Responses

Code	Description	Links
200	Replication successfully updated	No links

DELETE /s3replication Delete s3 replication



Parameters

Try it out

Name	Description
level string (header)	User level level - User level
replication_id * required string (header)	S3 replication id replication_id - S3 replication id

Responses

Code	Description	Links
200	Replication successfully deleted	No links

GET /s3replication/state Get s3 replication state 

Parameters

[Try it out](#)

Name	Description
level string (header)	User level level - User level
replication_id * required string (header)	S3 replication id replication_id - S3 replication id

Responses

Code	Description	Links
200	Gets replication state	No links

TaskMgr



GET /tasks/{task_uuid} Get detailed information of the specified task



Parameters

[Try it out](#)

Name	Description
task_uuid * required	UUID of the task for which details need to be fetched
string (path)	task_uuid - UUID of the task for which details

Responses

Code	Description	Links
200	Gets detailed task information	No links

GET /tasks/list Get list of tasks



Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	Gets list of long term task	No links

REDTS



POST /metrics/{server_id}/query/raw Get time series data

Parameters Try it out

Name	Description
server_id * required	Unique identifier for server <i>(path)</i>
	server_id - Unique identifier for server

Request body required application/json

Example Value Schema

```
{
  "query": "from(bucket: \"<NAME>\") |> range(start: -10m) |> filter(fn: (r) =>
r[\"_measurement\"] == \"cpu\") |> filter(fn: (r) => r[\"_field\"] ==
\"cpu_percentage\")"
}
```

Responses

Code	Description	Links
200	Time series data by TSDB query	No links

GET /metrics/{server_id}/query/cpu Get time series data for instance CPU

Parameters**Try it out**

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server
start integer (query)	Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900
stop integer (query)	Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 166514921
field string (query)	Required field name. Ex. system field - Required field name. Ex. system
id string (query)	Required CPU ID. Ex. cpu0 id - Required CPU ID. Ex. cpu0
aggregate string (query)	Aggregate window required. Ex. 1m aggregate - Aggregate window required. Ex.

Responses

Code	Description	Links
200	Gets time series data by instance CPU	No links
GET	/aggregated/metrics/query/cpu Get aggregated time series data for all instance CPUs	
Parameters		
Try it out		
Name	Description	
start integer (query)	Start time of the query. Ex. 1665149000	start - Start time of the query. Ex. 166514900
stop integer (query)	Stop time of the query. Ex. 1665149212	stop - Stop time of the query. Ex. 166514921
field string (query)	Required field name. Ex. system	field - Required field name. Ex. system
id string (query)	Required CPU ID. Ex. cpu0	id - Required CPU ID. Ex. cpu0
aggregate string (query)	Aggregate window required. Ex. 1m	aggregate - Aggregate window required. Ex.
hosts string (query)	Comma separated list of hosts. Ex. host1,host2	hosts - Comma separated list of hosts. Ex. hc

Responses

Code	Description	Links
200	Gets aggregated time series data by instance CPUs	No links

GET /metrics/{server_id}/query/memory Get time series data for instance memory



Parameters

[Try it out](#)

Name	Description
------	-------------

server_id * required

string
(path)

server_id - Unique identifier for server

start
integer
(query)

Start time of the query. Ex. 1665149000

start - Start time of the query. Ex. 166514900

stop
integer
(query)

Stop time of the query. Ex. 1665149212

stop - Stop time of the query. Ex. 1665149212

field
string
(query)

Required field name. Ex. SwapFree

field - Required field name. Ex. SwapFree

aggregate
string
(query)

Aggregate window required. Ex. 1m

aggregate - Aggregate window required. Ex.

Responses

Code	Description	Links
200	Get time series data for instance memory	No links

GET`/aggregated/metrics/query
/memory`Get aggregated time series data for all instance
memory

Parameters

Try it out

Name	Description
------	-------------

start
integer
(query) Start time of the query. Ex. 1665149000

start - Start time of the query. Ex. 1665149000

stop
integer
(query) Stop time of the query. Ex. 1665149212

stop - Stop time of the query. Ex. 1665149212

field
string
(query) Required field name. Ex. SwapFree

field - Required field name. Ex. SwapFree

aggregate
string
(query) Aggregate window required. Ex. 1m

aggregate - Aggregate window required. Ex.

hosts
string
(query) Comma separated list of hosts. Ex. host1,host2

hosts - Comma separated list of hosts. Ex. hc

Responses

Code	Description	Links
200	Get aggregated time series data by instance memory	No links

GET /metrics/{server_id}/query/network Get time series data for instance nics



Parameters

[Try it out](#)

Name	Description
------	-------------

server_id * required

string
(path)

server_id - Unique identifier for server

start
integer
(query)

Start time of the query. Ex. 1665149000

start - Start time of the query. Ex. 166514900

stop
integer
(query)

Stop time of the query. Ex. 1665149212

stop - Stop time of the query. Ex. 1665149212

field
string
(query)

Required field name. Ex. tx_mbps

field - Required field name. Ex. tx_mbps

aggregate
string
(query)

Aggregate window required. Ex. 1m

aggregate - Aggregate window required. Ex.

Responses

Code	Description	Links
200	Gets time series data by instance nics	No links

GET**/aggregated/metrics/query/network** Get aggregated time series data for all nics**Parameters****Try it out**

Name	Description
------	-------------

start
integer
(query) Start time of the query. Ex. 1665149000

start - Start time of the query. Ex. 1665149000

stop
integer
(query) Stop time of the query. Ex. 1665149212

stop - Stop time of the query. Ex. 1665149212

field
string
(query) Required field name. Ex. tx_mbps

field - Required field name. Ex. tx_mbps

aggregate
string
(query) Aggregate window required. Ex. 1m

aggregate - Aggregate window required. Ex.

hosts
string
(query) Comma separated list of hosts. Ex. host1,host2

hosts - Comma separated list of hosts. Ex. hc

Responses

Code	Description	Links															
200	Gets aggregated time series data by instance nics	No links															
GET	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/metrics/query/s3	Get S3 time series data for a given tenant/subtenant 															
Parameters		Try it out															
<table border="1"> <thead> <tr> <th>Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>cluster_name * required string (path)</td> <td>Unique identifier for cluster cluster_name - Unique identifier for cluster</td></tr> <tr> <td>tenant_name * required string (path)</td> <td>Tenant name tenant_name - Tenant name</td></tr> <tr> <td>subtenant_name * required string (path)</td> <td>Subtenant name subtenant_name - Subtenant name</td></tr> <tr> <td>start integer (query)</td> <td>Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900</td></tr> <tr> <td>stop integer (query)</td> <td>Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 166514921</td></tr> <tr> <td>field string (query)</td> <td>Required field name. Ex. egress_bytes field - Required field name. Ex. egress_bytes</td></tr> <tr> <td>bucket</td> <td>Bucket name</td></tr> </tbody> </table>		Name	Description	cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	tenant_name * required string (path)	Tenant name tenant_name - Tenant name	subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name	start integer (query)	Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900	stop integer (query)	Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 166514921	field string (query)	Required field name. Ex. egress_bytes field - Required field name. Ex. egress_bytes	bucket	Bucket name
Name	Description																
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster																
tenant_name * required string (path)	Tenant name tenant_name - Tenant name																
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name																
start integer (query)	Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900																
stop integer (query)	Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 166514921																
field string (query)	Required field name. Ex. egress_bytes field - Required field name. Ex. egress_bytes																
bucket	Bucket name																

Name	Description
<code>string (query)</code>	bucket - Bucket name
<code>aggregate string (query)</code>	Aggregate window required. Ex. 20m <code>aggregate - Aggregate window required. Ex. :</code>

Responses

Code	Description	Links
200	Get S3 time series data for a given tenant/subtenant	<i>No links</i>

GET `/clusters/{cluster_name}/metrics/query/s3` Get S3 time series data for the realm



Parameters

[Try it out](#)

Name	Description
<code>cluster_name * required</code>	Unique identifier for cluster <code>cluster_name - Unique identifier for cluster</code>
<code>start integer (query)</code>	Start time of the query. Ex. 1665149000 <code>start - Start time of the query. Ex. 166514900</code>
<code>stop integer (query)</code>	Stop time of the query. Ex. 1665149212 <code>stop - Stop time of the query. Ex. 166514921</code>
<code>field string</code>	Required field name. Ex. egress_bytes

Name	Description
(query)	field - Required field name. Ex. egress_bytes
bucket string (query)	Bucket name bucket - Bucket name
tenant string (query)	Tenant Name. tenant - Tenant Name.
aggregate string (query)	Aggregate window required. Ex. 1m aggregate - Aggregate window required. Ex.

Responses

Code	Description	Links
200	Get S3 time series data for the realm	No links

GET /metrics/{server_id}/query/netdev Get time series data for netdev metrics



Parameters

[Try it out](#)

Name	Description
server_id * required string (path)	Unique identifier for server server_id - Unique identifier for server

Name	Description
start <code>integer</code> (query)	Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900
stop <code>integer</code> (query)	Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 166514921
field <code>string</code> (query)	Required field name. Ex. RxBytes, TxBytes field - Required field name. Ex. RxBytes, TxB
aggregate <code>string</code> (query)	Aggregate window required. Ex. 1m aggregate - Aggregate window required. Ex.
devicename <code>string</code> (query)	Device name. Ex. eth0 devicename - Device name. Ex. eth0

Responses

Code	Description	Links
200	Get time series data for single s3 instance	No links
GET	/clusters/{cluster_name}/metrics/query /quota	Get time series data for tenant quota metrics

Parameters

[Try it out](#)

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
start integer (query)	Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900
stop integer (query)	Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 166514921
field string (query)	Required field name. Ex. bulk_usage field - Required field name. Ex. bulk_usage
aggregate string (query)	Aggregate window required. Ex. 30m aggregate - Aggregate window required. Ex. :
tenant string (query)	Tenant Name. tenant - Tenant Name.

Responses

Code	Description	Links
200	Get time series data for quota stats	No links

GET /clusters/{cluster_name}/tenants/{tenant_name}/metrics/query/quota Get time series data for tenant quota metrics 

Parameters

Try it out

Name	Description
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster
tenant_name * required string (path)	Tenant name tenant_name - Tenant name
start integer (query)	Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900
stop integer (query)	Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 1665149212
field string (query)	Required field name. Ex. bulk_usage field - Required field name. Ex. bulk_usage
aggregate string (query)	Aggregate window required. Ex. 30m aggregate - Aggregate window required. Ex. 30m

Responses

Code	Description	Links															
200	Get time series data for quota stats	No links															
GET	<code>/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/metrics/query/quota</code>	Get time series data for subtenant quota metrics 															
Parameters		Try it out															
<table border="1"> <thead> <tr> <th>Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>cluster_name * required string (path)</td> <td>Unique identifier for cluster cluster_name - Unique identifier for cluster</td></tr> <tr> <td>tenant_name * required string (path)</td> <td>Tenant name tenant_name - Tenant name</td></tr> <tr> <td>subtenant_name * required string (path)</td> <td>Subtenant name subtenant_name - Subtenant name</td></tr> <tr> <td>start integer (query)</td> <td>Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900</td></tr> <tr> <td>stop integer (query)</td> <td>Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 166514921</td></tr> <tr> <td>field string (query)</td> <td>Required field name. Ex. bulk_usage field - Required field name. Ex. bulk_usage</td></tr> <tr> <td>aggregate</td> <td>Aggregate window required. Ex. 30m</td></tr> </tbody> </table>		Name	Description	cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster	tenant_name * required string (path)	Tenant name tenant_name - Tenant name	subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name	start integer (query)	Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900	stop integer (query)	Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 166514921	field string (query)	Required field name. Ex. bulk_usage field - Required field name. Ex. bulk_usage	aggregate	Aggregate window required. Ex. 30m
Name	Description																
cluster_name * required string (path)	Unique identifier for cluster cluster_name - Unique identifier for cluster																
tenant_name * required string (path)	Tenant name tenant_name - Tenant name																
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name																
start integer (query)	Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900																
stop integer (query)	Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 166514921																
field string (query)	Required field name. Ex. bulk_usage field - Required field name. Ex. bulk_usage																
aggregate	Aggregate window required. Ex. 30m																

Name	Description
string (query)	aggregate - Aggregate window required. Ex. :

Responses

Code	Description	Links
200	Get time series data for quota stats	No links
GET	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/datasets/{dataset_name}/metrics/query /quota	Get time series data for dataset quota metrics 

Parameters

[Try it out](#)

Name	Description
cluster_name * required	
string (path)	Unique identifier for cluster
	cluster_name - Unique identifier for cluster
tenant_name * required	
string (path)	Tenant name
	tenant_name - Tenant name
subtenant_name * required	
string (path)	Subtenant name
	subtenant_name - Subtenant name
dataset_name * required	
string (path)	Dataset name
	dataset_name - Dataset name
start	
	Start time of the query. Ex. 1665149000

Name	Description
integer (query)	start - Start time of the query. Ex. 166514900
stop integer (query)	Stop time of the query. Ex. 1665149212
	stop - Stop time of the query. Ex. 1665149212
field string (query)	Required field name. Ex. bulk_usage
	field - Required field name. Ex. bulk_usage
aggregate string (query)	Aggregate window required. Ex. 30m
	aggregate - Aggregate window required. Ex. :

Responses

Code	Description	Links
200	Get time series data for quota stats	No links

GET	/clusters/{cluster_name}/tenants/{tenant_name}/subtenants/{subtenant_name}/metrics/query/service	Get time series data for service	
------------	--	----------------------------------	---

Parameters

[Try it out](#)

Name	Description
cluster_name * required	Unique identifier for cluster
string (path)	cluster_name - Unique identifier for cluster
tenant_name * required	Tenant name
string	

Name	Description
(path)	tenant_name - Tenant name
subtenant_name * required string (path)	Subtenant name subtenant_name - Subtenant name
service_name string (query)	Service Name. service_name - Service Name.
service_type string (query)	Service Type. Ex. block Or file-and-object service_type - Service Type. Ex. block Or file
start integer (query)	Start time of the query. Ex. 1665149000 start - Start time of the query. Ex. 166514900
stop integer (query)	Stop time of the query. Ex. 1665149212 stop - Stop time of the query. Ex. 166514921
field string (query)	Required field name. Ex. bulk_usage field - Required field name. Ex. bulk_usage
aggregate string (query)	Aggregate window required. Ex. 30m aggregate - Aggregate window required. Ex. :

Responses

Code	Description	Links
200	Get time series data for service	No links

TRACE



GET /trace Get trace state



Parameters

[Try it out](#)

Name	Description
cluster string (query)	Cluster (used in conjunction with instances)
clusters string (query)	Cluster(s) to get trace state of. Ex. c1,c2
agents string (query)	Agents(s) to get trace state of. Ex. a1,a2
instances string (query)	Instances(s) to get trace state of. Ex. 1,2
services string (query)	Services to get trace state of. Ex. reds3
daemons string (query)	Daemons to get trace state of. Ex. name@host1

cluster - Cluster (used in conjunction with instances)

clusters - Cluster(s) to get trace state of. Ex. c1,c2

agents - Agents(s) to get trace state of. Ex. a1,a2

instances - Instances(s) to get trace state of. Ex. 1,2

services - Services to get trace state of. Ex. reds3

daemons - Daemons to get trace state of. Ex. name@host1

Name	Description
daemons - Daemons to get trace state of. Ex.	
clients <code>string</code> (query)	Clients to get trace state of. Ex. client@host1
clients - Clients to get trace state of. Ex. clien	

Responses

Code	Description	Links
200	Get trace state	<i>No links</i>

PUT `/trace/inject` Inject trace message



Parameters

[Try it out](#)

Name	Description
cluster <code>string</code> (query)	
cluster <code>string</code> (query)	Cluster (used in conjunction with instances)
cluster - Cluster (used in conjunction with instan	
clusters <code>string</code> (query)	Cluster(s) to get trace state of. Ex. c1,c2
clusters - Cluster(s) to get trace state of. Ex. c	
agents <code>string</code> (query)	Agents(s) to get trace state of. Ex. a1,a2
agents - Agents(s) to get trace state of. Ex. a	

Name	Description
instances <code>string (query)</code>	Instances(s) to get trace state of. Ex. 1,2 instances - Instances(s) to get trace state of.
services <code>string (query)</code>	Services to set trace state of. Ex. reds3 services - Services to set trace state of. Ex. reds3
daemons <code>string (query)</code>	Daemons to get trace state of. Ex. name@host1 daemons - Daemons to get trace state of. Ex. name@host1
clients <code>string (query)</code>	Clients to get trace state of. Ex. client@host1 clients - Clients to get trace state of. Ex. client@host1

Request body required**application/json****Example Value** Schema

```
{
  "query": "<message>"
}
```

Responses

Code	Description	Links
200	Trace message injected	<i>No links</i>

PUT /trace/e2e Set trace e2e**Parameters**

[Try it out](#)

Name	Description
cluster string (query)	Cluster (used in conjunction with instances) cluster - Cluster (used in conjunction with instances)
clusters string (query)	Cluster(s) to set trace e2e of. Ex. c1,c2 clusters - Cluster(s) to set trace e2e of. Ex. c1,c2
agents string (query)	Agents(s) to set trace e2e of. Ex. a1,a2 agents - Agents(s) to set trace e2e of. Ex. a1,a2
instances string (query)	Instances(s) to set trace e2e of. Ex. 1,2 instances - Instances(s) to set trace e2e of. Ex. 1,2
services string (query)	Services to get trace state of. Ex. reds3 services - Services to get trace state of. Ex. reds3
daemons string (query)	Daemons to get trace state of. Ex. name@host1 daemons - Daemons to get trace state of. Ex. name@host1
clients string (query)	Clients to get trace state of. Ex. client@host1 clients - Clients to get trace state of. Ex. client@host1

Request body required**application/json****Example Value** Schema

```
{
  "message": 0
}
```

Responses

Code	Description	Links
200	Trace e2e set	No links

PUT /trace/fmt_on_exit Set trace format on exit



Parameters

[Try it out](#)

Name	Description
cluster string (query)	Cluster (used in conjunction with instances)
	cluster - Cluster (used in conjunction with instances)
clusters string (query)	Cluster(s) to set trace option of. Ex. c1,c2
	clusters - Cluster(s) to set trace option of. Ex. c1,c2
agents string (query)	Agents(s) to set trace option of. Ex. a1,a2
	agents - Agents(s) to set trace option of. Ex. a1,a2
instances string (query)	Instances(s) to set trace option of. Ex. 1,2
	instances - Instances(s) to set trace option of 1,2
services string (query)	Services to get trace state of. Ex. reds3

Name	Description
	services - Services to get trace state of. Ex. r
daemons string (query)	Daemons to get trace state of. Ex. name@host1 daemons - Daemons to get trace state of. Ex
clients string (query)	Clients to get trace state of. Ex. client@host1 clients - Clients to get trace state of. Ex. clien

Request body required

application/json

Example Value Schema

```
{
  "message": true
}
```

Responses

Code	Description	Links
200	Trace format option set	No links

PUT /trace/fmtoption Set trace format options 

Parameters**Try it out**

Name	Description
cluster string (query)	Cluster (used in conjunction with instances)

Name	Description
clusters string (query)	Cluster(s) to set trace state of. Ex. c1,c2 clusters - Cluster(s) to set trace state of. Ex. c1,c2
agents string (query)	Agents(s) to set trace state of. Ex. a1,a2 agents - Agents(s) to set trace state of. Ex. a1,a2
instances string (query)	Instances(s) to set trace state of. Ex. 1,2 instances - Instances(s) to set trace state of.
services string (query)	Services to get trace state of. Ex. reds3 services - Services to get trace state of. Ex. reds3
daemons string (query)	Daemons to get trace state of. Ex. name@host1 daemons - Daemons to get trace state of. Ex. name@host1
clients string (query)	Clients to get trace state of. Ex. client@host1 clients - Clients to get trace state of. Ex. client@host1

Request body required**application/json****Example Value** Schema

```
{
  "opt": "string",
  "val": true
}
```

Responses

Code	Description	Links
200	Trace format option set	No links

PUT /trace/actions Set trace actions



Parameters

[Try it out](#)

Name	Description
cluster string (query)	Cluster (used in conjunction with instances)
	cluster - Cluster (used in conjunction with instances)
clusters string (query)	Cluster(s) to set trace state of. Ex. c1,c2
	clusters - Cluster(s) to set trace state of. Ex. c1,c2
agents string (query)	Agents(s) to set trace state of. Ex. a1,a2
	agents - Agents(s) to set trace state of. Ex. a1,a2
instances string (query)	Instances(s) to set trace state of. Ex. 1,2
	instances - Instances(s) to set trace state of. Ex. 1,2
services string (query)	Services to get trace state of. Ex. reds3
	services - Services to get trace state of. Ex. reds3
daemons string (query)	Daemons to get trace state of. Ex. name@host1
	daemons - Daemons to get trace state of. Ex. name@host1

Name	Description
------	-------------

clients string (query)	Clients to get trace state of. Ex. client@host1
------------------------------	---

clients - Clients to get trace state of. Ex. client@host1

Request body required

application/json

Example Value Schema

```
{
  "class": [
    "string"
  ],
  "stream": [
    0
  ],
  "wrap": [
    0
  ]
}
```

Responses

Code	Description	Links
------	-------------	-------

200	Trace action set	No links
-----	------------------	----------

PUT /trace/stream Set trace stream



Parameters

Try it out

Name	Description
------	-------------

cluster string (query)	Cluster (used in conjunction with instances)
------------------------------	--

cluster - Cluster (used in conjunction with instances)

Name	Description
clusters string (query)	Cluster(s) to set trace state of. Ex. c1,c2 clusters - Cluster(s) to set trace state of. Ex. c1,c2
agents string (query)	Agents(s) to set trace state of. Ex. a1,a2 agents - Agents(s) to set trace state of. Ex. a1,a2
instances string (query)	Instances(s) to set trace state of. Ex. 1,2 instances - Instances(s) to set trace state of.
services string (query)	Services to get trace state of. Ex. reds3 services - Services to get trace state of. Ex. reds3
daemons string (query)	Daemons to get trace state of. Ex. name@host1 daemons - Daemons to get trace state of. Ex. name@host1
clients string (query)	Clients to get trace state of. Ex. client@host1 clients - Clients to get trace state of. Ex. client@host1

Request body required

application/json

Example Value Schema

```
{
  "size": 0,
  "enable": true,
  "flow_ctrl": true,
  "sync_ms": 0,
  "file": "string"
}
```

Responses

Code	Description	Links
200	Trace stream set	No links

PUT /trace/wrap Set wrap stream



Parameters

[Try it out](#)

Name	Description
cluster string (query)	Cluster (used in conjunction with instances) cluster - Cluster (used in conjunction with instances)
clusters string (query)	Cluster(s) to set trace wrap state of. Ex. c1,c2 clusters - Cluster(s) to set trace wrap state of
agents string (query)	Agents(s) to set trace wrap state of. Ex. a1,a2 agents - Agents(s) to set trace wrap state of.
instances string (query)	Instances(s) to set trace wrap state of. Ex. 1,2 instances - Instances(s) to set trace wrap state of
services string (query)	Services to get trace state of. Ex. reds3 services - Services to get trace state of. Ex. reds3
daemons string (query)	Daemons to get trace state of. Ex. name@host1 daemons - Daemons to get trace state of. Ex. name@host1

Name	Description
clients string (query)	Clients to get trace state of. Ex. client@host1 clients - Clients to get trace state of. Ex. clien

Request body <small>required</small>	application/json
--------------------------------------	------------------

Example Value	Schema
{ "size": 0, "fmt_on_exit": true, "file": "string" }	

Responses

Code	Description	Links
200	Trace wrap set	<i>No links</i>

PUT	/trace/dump	Dump trace logs	
-----	-------------	-----------------	---

Parameters	
------------	---

Name	Description
cluster string (query)	Cluster (used in conjunction with instances) cluster - Cluster (used in conjunction with instan
clusters string (query)	Cluster(s) to dump traces of. Ex. c1,c2 clusters - Cluster(s) to dump traces of. Ex. c1

Name	Description
agents string (query)	Agents(s) to dump traces of. Ex. a1,a2 <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">agents - Agents(s) to dump traces of. Ex. a1, a2</div>
instances string (query)	Instances(s) to dump traces of. Ex. 1,2 <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">instances - Instances(s) to dump traces of. Ex. 1, 2</div>
services string (query)	Services to dump traces of. Ex. reds3 <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">services - Services to dump traces of. Ex. reds3</div>
daemons string (query)	Daemons to dump traces of. Ex. client@host1 <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">daemons - Daemons to dump traces of. Ex. client@host1</div>

Responses

Code	Description	Links
200	Trace logs dumped	No links

Schemas	▼
clusters_resp	
cluster_resp	

cluster_logs_resp

cluster_runtime_resp

create_tenant_resp

list_datasets_resp

get_dataset_resp

get_volume_resp

update_volume_resp

list_snapshots_resp

list_volumes_resp

tenants_resp

get_tenant_resp

get_subtenant_resp

update_tenant_resp

update_subtenant_resp

list_subtenants_resp

subtenants_recurse

create_subtenant_resp

vhost_controller_resp

vhost_controller_volumes_resp

vhost_controller_volume_attach_resp

vhost_controller_volume_detach_resp

list_subsystems_resp

subsystem

subsystem_namespace

subsystem_listener

subtenant

tenant

dataset

volume

dataset_xattrs

xattrs

cluster_monitor_stats_resp

cluster_configs_resp

cluster_config_resp

cluster_config_params_resp

cluster_instances_resp

cluster_instance_resp

cluster_start_resp

cluster_dp_profile_resp

cluster_config_pools_resp

cluster_config_pool_resp

cats_resp

cat_resp

dp_profile_resp

cluster_instance_status_resp

cluster_status_resp

cluster_health_resp

cluster_health_instances

cluster_health_pool

cluster_health_pool_table

cluster_health_cats

cluster_instance

cluster_cat

cluster_pool

cat_devnode

cat_instdata

pool_cat

pool_table

trace_tag

trace_inject

trace_e2e

trace_fmt_on_exit

trace_fmt_option

trace_actions

trace_stream

trace_wrap

new_cluster

new_config

pool_request

certs_request

bios_version

bmcfw_version

bios_config

drive_version

fru_version

sensor_update

kvcl_test_request

io_test_request

nettest_config

volume_request

volume_update_request

volume_resize_request

volume_clone_request

subsystem_create_request

subsys_delete_request

subsys_list_request

subsys_show_request

vhost_request

image_setup_request

stats_config

dataset_request

tenantsub_request

service_request

forwarding_config

hmi_resource_id

tsdb_raw

forwarding_metrics_level

forwarding_metrics_list

audit_email_type

lifetime_type

session_properties

config_validate_request

config_tree

config_tree_pools

config_tree_pools_prop

config_tree_pools_prop_tables

tree_pool_table

tree_pool_table_fd_rank

config_tree_pools_prop_cat_map

cat_map_prop

config_tree_instances

config_tree_instance_prop

config_tree_interface

config_tree_instance_jrpc

config_tree_policies

config_tree_policy

config_tree_dp_profiles

config_tree_dp_profile

config_tree_notes

config_tree_note

config_tree_tunables

config_tree_clients

config_tree_client_ne.rules

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config_tree_client_interfaces

config_tree_client_interface

config_tree_networks

configs_produce_resp

configs_produce_create_resp

configs_produce_create_result

configs_produce_result

networks_prop

network_policy

configs_prop

config_node

config_node_prop

config_node_interface_instance

config_node_interface

config_node_interface_jrpc

config_node_interface_rpc

config_node_interface_rpc_port

config_node_interface_sriov

config_node_device

configs_tunables

configs_produce_notes

configs_produce_create_notes

realm_resp

realm_status_resp

realm_node_status_resp

realm_detail

realm_node

container

realm_update_new_req

fdstats

realm_upgrade_apply_req

realm_upgrade_download_req

realm_upgrade_enable_req

realm_upgrade_metadata_update_req

realm_upgrade_channels

realm_upgrade_releases

stats_config_resp

stats_config_item

stats_resp

stats_results

stats_measurement

stats_measurement_tags

stats_measurement_fields

verify_network_resp

verify_network_connectivity_res

io_test_status_resp

io_test_status_results

io_test_status_res

io_test_params

start_io_test_resp

start_io_test_results

start_io_test_res

start_redkvcl_test_rpc_resp

redkvcl_test_rpc_resp

verify_network_result

network_test_get_agent_groups_resp

network_test_agent_groups_results

network_test_start_resp

network_test_status_resp

network_test_results

network_test_result

network_test_result_latency

network_test_bottom15

network_test_top15

network_test_total

network_test_result_bw_ext

network_test_result_iops_ext

Contacting DDN Support

If you have questions or require assistance, contact DDN Support:

Web

DDN Customer Support Portal	support.ddn.io
Portal Registration	support.ddn.io/DDNUserRegistration
Portal Assistance	portalsupport@ddn.com

Email

DDN Support Email	support@ddn.io
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Telephone

DDN Support Worldwide Directory	www.ddn.com/support/global-services-overview
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Bulletins & Notices

Support Bulletins	www.ddn.com/support/technical-support-bulletins
End-of-Life Notices	www.ddn.com/support/end-of-life-notices
Bulletin Subscription Request	support-tsb@ddn.com



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