Manage QoS options

REST API reference

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Manage QoS options

Storage Qos qos-options endpoint overview

Quality of Service Options

A QoS option represents a configuration detail that is used by QoS.

Examples

Retrieving a QoS option from the cluster

The following example retrieves the QoS option in the cluster.

```
curl -X GET "https://<mgmt-ip>/api/storage/qos/qos-
options?return_timeout=0" -H "accept: application/json" -H "Content-Type:
application/json"
```

---

2) Update a QoS option

The following example shows how to modify the background task reserve policy to 40%.

```
curl -X PATCH "https://<mgmt-ip>/api/storage/qos/qos-
options?return_timeout=0" -H "accept: application/json" -H "Content-Type:
application/json" -d "{ \"background_task_reserve\": 40 }"
```

-

Retrieve QoS options

GET `/storage/qos/qos-options`

Introduced In: 9.14

Retrieves QoS options.

Related ONTAP commands

- `qos settings cluster-options show`

Parameters

Name	Type	In	Required	Description
background_task_reserve	integer	query	False	Filter by background_task_reserve
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
background_task_reserve	integer	Percentage reserve for critical background tasks.

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "background_task_reserve": 33
}
```


Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_error	

Example error


```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```


Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

Name	Type	Description
self	href	

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Update a QoS option

PATCH `/storage/qos/qos-options`

Introduced In: 9.14

Update a specific QoS option.

Related ONTAP commands

- `qos settings cluster-options modify`

Request Body

Name	Type	Description
background_task_reserve	integer	Percentage reserve for critical background tasks.

Example request

```
{
  "background_task_reserve": 33
}
```

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
8454377	This command is not supported on this platform.
8454378	Unsupported value specified for background-task-reserve. Supported values are 0 to 99.

Also see the table of common errors in the Response body overview section of this documentation.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

qos_option

Name	Type	Description
background_task_reserve	integer	Percentage reserve for critical background tasks.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

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