



Manage storage tape devices

ONTAP 9.11.1 REST API reference

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Manage storage tape devices

Storage tape-devices endpoint overview

Retrieving storage tape information

The storage tape GET API retrieves all of the tapes in the cluster.

Examples

1) Retrieving a list of tapes from the cluster

The following example returns the list of tapes in the cluster:

```
# The API:
/api/storage/tape-devices

# The call:
curl -X GET "https://<mgmt-ip>/api/storage/tape-devices" -H "accept:
application/hal+json"

# The response:
{
  "records": [
    {
      "node": {
        "uuid": "4083be52-5315-11eb-a839-00a0985ebbe7",
        "name": "st-8020-1-01",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/4083be52-5315-11eb-a839-
00a0985ebbe7"
          }
        }
      },
      "device_id": "2d.0",
      "_links": {
        "self": {
          "href": "/api/storage/tape-devices/4083be52-5315-11eb-a839-
00a0985ebbe7/2d.0"
        }
      }
    }
  ],
}
```

```

{
  "node": {
    "uuid": "4083be52-5315-11eb-a839-00a0985ebbe7",
    "name": "st-8020-1-01",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/4083be52-5315-11eb-a839-00a0985ebbe7"
      }
    }
  },
  "device_id": "2d.0L1",
  "_links": {
    "self": {
      "href": "/api/storage/tape-devices/4083be52-5315-11eb-a839-00a0985ebbe7/2d.0L1"
    }
  }
},
{
  "node": {
    "uuid": "4083be52-5315-11eb-a839-00a0985ebbe7",
    "name": "st-8020-1-01",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/4083be52-5315-11eb-a839-00a0985ebbe7"
      }
    }
  },
  "device_id": "qeg-tape-brocade2-8g:0.126",
  "_links": {
    "self": {
      "href": "/api/storage/tape-devices/4083be52-5315-11eb-a839-00a0985ebbe7/qeg-tape-brocade2-8g%3A0.126"
    }
  }
},
{
  "node": {
    "uuid": "4083be52-5315-11eb-a839-00a0985ebbe7",
    "name": "st-8020-1-01",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/4083be52-5315-11eb-a839-00a0985ebbe7"
      }
    }
  }
}

```

```

    }
  },
  "device_id": "stsw-broc6510-01:11.126",
  "_links": {
    "self": {
      "href": "/api/storage/tape-devices/4083be52-5315-11eb-a839-00a0985ebbe7/stsw-broc6510-01%3A11.126"
    }
  }
},
{
  "node": {
    "uuid": "4083be52-5315-11eb-a839-00a0985ebbe7",
    "name": "st-8020-1-01",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/4083be52-5315-11eb-a839-00a0985ebbe7"
      }
    }
  },
  "device_id": "stsw-broc6510-01:15.126",
  "_links": {
    "self": {
      "href": "/api/storage/tape-devices/4083be52-5315-11eb-a839-00a0985ebbe7/stsw-broc6510-01%3A15.126"
    }
  }
},
{
  "node": {
    "uuid": "4083be52-5315-11eb-a839-00a0985ebbe7",
    "name": "st-8020-1-01",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/4083be52-5315-11eb-a839-00a0985ebbe7"
      }
    }
  },
  "device_id": "stsw-broc6510-01:15.126L1",
  "_links": {
    "self": {
      "href": "/api/storage/tape-devices/4083be52-5315-11eb-a839-00a0985ebbe7/stsw-broc6510-01%3A15.126L1"
    }
  }
}

```

```

    }
  },
  {
    "node": {
      "uuid": "4083be52-5315-11eb-a839-00a0985ebbe7",
      "name": "st-8020-1-01",
      "_links": {
        "self": {
          "href": "/api/cluster/nodes/4083be52-5315-11eb-a839-00a0985ebbe7"
        }
      }
    },
    "device_id": "stsw-broc6510-01:22.126",
    "_links": {
      "self": {
        "href": "/api/storage/tape-devices/4083be52-5315-11eb-a839-00a0985ebbe7/stsw-broc6510-01%3A22.126"
      }
    }
  },
  {
    "node": {
      "uuid": "4083be52-5315-11eb-a839-00a0985ebbe7",
      "name": "st-8020-1-01",
      "_links": {
        "self": {
          "href": "/api/cluster/nodes/4083be52-5315-11eb-a839-00a0985ebbe7"
        }
      }
    },
    "device_id": "stsw-broc6510-01:23.126",
    "_links": {
      "self": {
        "href": "/api/storage/tape-devices/4083be52-5315-11eb-a839-00a0985ebbe7/stsw-broc6510-01%3A23.126"
      }
    }
  },
],
"num_records": 7,
"_links": {
  "self": {
    "href": "/api/storage/tape-devices"
  }
}

```

```
}  
}  
}
```

2) Retrieving a specific tape device from the cluster

The following example returns the requested tape device. If there is no tape with the requested UID, an error is returned.

```
# The API:  
/api/storage/tape-devices/{node.uuid}/{device_id}  
  
# The call:  
curl -X GET "https://<mgmt-ip>/api/storage/tape-devices/5f5275eb-5315-11eb-8ac4-00a0985e0dcf/2d.0" -H "accept: application/hal+json"  
  
# The response:  
{  
  "node": {  
    "uuid": "5f5275eb-5315-11eb-8ac4-00a0985e0dcf",  
    "name": "st-8020-1-02",  
    "_links": {  
      "self": {  
        "href": "/api/cluster/nodes/5f5275eb-5315-11eb-8ac4-00a0985e0dcf"  
      }  
    }  
  },  
  "device_id": "2d.0",  
  "type": "tape",  
  "description": "IBM LTO-6 ULT3580",  
  "alias": {  
    "name": "st7",  
    "mapping": "SN[1068000245]"  
  },  
  "aliases": [  
    {  
      "name": "st7",  
      "mapping": "SN[1068000245]"  
    }  
  ],  
  "wwnn": "5001697722ee0010",  
  "wwpn": "5001697722ee0011",  
  "serial_number": "1068000245",
```

```

"interface": "sas",
"device_state": "offline",
"formats": [
  "LTO-4/5 Native Density",
  "LTO-4/5 Compressed",
  "LTO-6 2.5TB",
  "LTO-6 6.25TB Compressed"
],
"storage_port": {
  "name": "2d"
},
"file_number": -1,
"block_number": -1,
"residual_count": 0,
"density": "low",
"device_names": [
  {
    "rewind_device": "rst0l",
    "no_rewind_device": "nrst0l",
    "unload_reload_device": "urst0l"
  },
  {
    "rewind_device": "rst0m",
    "no_rewind_device": "nrst0m",
    "unload_reload_device": "urst0m"
  },
  {
    "rewind_device": "rst0h",
    "no_rewind_device": "nrst0h",
    "unload_reload_device": "urst0h"
  },
  {
    "rewind_device": "rst0a",
    "no_rewind_device": "nrst0a",
    "unload_reload_device": "urst0a"
  }
],
"reservation_type": "off",
"_links": {
  "self": {
    "href": "/api/storage/tape-devices/5f5275eb-5315-11eb-8ac4-00a0985e0dcf/2d.0"
  }
}
}

```

Updating a tape device

The tape PATCH API allows the tape device to be set online or offline, positioned, and given an alias.

Examples

1) Taking a tape device offline

The following example takes a tape device offline:

```
# The API:
/api/storage/tape-devices/{node.uuid}/{device_id}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/storage/tape-devices/5f5275eb-5315-11eb-8ac4-00a0985e0dcf/2d.0" -H "accept: application/hal+json" -H "Content-Type: application/hal_json" -d '{"online": "false"}'

# The response:
{
  "job": {
    "uuid": "9e544626-306e-11ec-8c2e-00a098b81daa",
    "_links": {
      "self": {
        "href": "/api/cluster/jobs/9e544626-306e-11ec-8c2e-00a098b81daa"
      }
    }
  }
}
```

2) Bringing a tape device online

The following example brings a tape device online:

```
# The API:
/api/storage/tape-devices/{node.uuid}/{device_id}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/storage/tape-devices/5f5275eb-5315-11eb-8ac4-00a0985e0dcf/2d.0" -H "accept: application/hal+json" -H "Content-Type: application/hal_json" -d '{"online": "true"}'

# The response:
{
  "job": {
    "uuid": "9e544626-306e-11ec-8c2e-00a098b81daa",
    "_links": {
      "self": {
        "href": "/api/cluster/jobs/9e544626-306e-11ec-8c2e-00a098b81daa"
      }
    }
  }
}
```

3) Giving a tape device an alias

The following example assigns an alias to a tape device:

```
# The API:
/api/storage/tape-devices/{node.uuid}/{device_id}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/storage/tape-devices/5f5275eb-5315-11eb-8ac4-00a0985e0dcf/2d.0" -H "accept: application/hal+json" -H "Content-Type: application/hal_json" -d '{"aliases": [{"name": "st0"}]}'

# The response:
{
}
```

4) Removing a tape device's aliases

The following example clears any aliases previously assigned to a tape device:

```
# The API:
/api/storage/tape-devices/{node.uuid}/{device_id}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/storage/tape-devices/5f5275eb-5315-11eb-8ac4-00a0985e0dcf/2d.0" -H "accept: application/hal+json" -H "Content-Type: application/hal_json" -d '{"aliases": []}'

# The response:
{
}
```

5) Rewinding a tape device

The following example rewinds a tape device:

```
# The API:
/api/storage/tape-devices/{node.uuid}/{device_id}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/storage/tape-devices/5f5275eb-5315-11eb-8ac4-00a0985e0dcf/2d.0" -H "accept: application/hal+json" -H "Content-Type: application/hal_json" -d '{"position": {"operation": "rewind"}}'

# The response:
{
  "job": {
    "uuid": "9e544626-306e-11ec-8c2e-00a098b81daa",
    "_links": {
      "self": {
        "href": "/api/cluster/jobs/9e544626-306e-11ec-8c2e-00a098b81daa"
      }
    }
  }
}
```

6) Forwarding the tape five files

The following example moves the tape forward five file records:

```

# The API:
/api/storage/tape-devices/{node.uuid}/{device_id}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/storage/tape-devices/5f5275eb-5315-
11eb-8ac4-00a0985e0dcf/2d.0" -H "accept: application/hal+json" -H
"Content-Type: application/hal_json" -d '{"position": {"operation": "fsf",
"count": 5}}'

# The response:
{
  "job": {
    "uuid": "954c20d5-306e-11ec-8c2e-00a098b81daa",
    "_links": {
      "self": {
        "href": "/api/cluster/jobs/954c20d5-306e-11ec-8c2e-00a098b81daa"
      }
    }
  }
}

```

Retrieve tape devices

GET /storage/tape-devices

Introduced In: 9.9

Retrieves a collection of tape devices.

Related ONTAP commands

- `storage tape show`

Learn more

- [DOC /storage/tape-devices](#)

Parameters

| Name | Type | In | Required | Description |
|-----------|--------|-------|----------|---------------------|
| formats | string | query | False | Filter by formats |
| interface | string | query | False | Filter by interface |

| Name | Type | In | Required | Description |
|-----------------------------------|---------|-------|----------|--|
| online | boolean | query | False | Filter by online • Introduced in: 9.11 |
| density | string | query | False | Filter by density • Introduced in: 9.11 |
| file_number | integer | query | False | Filter by file_number |
| block_number | integer | query | False | Filter by block_number |
| storage_port.name | string | query | False | Filter by storage_port.name |
| serial_number | string | query | False | Filter by serial_number |
| wwnn | string | query | False | Filter by wwnn |
| device_id | string | query | False | Filter by device_id |
| type | string | query | False | Filter by type |
| device_state | string | query | False | Filter by device_state |
| residual_count | integer | query | False | Filter by residual_count |
| alias.mapping | string | query | False | Filter by alias.mapping |
| alias.name | string | query | False | Filter by alias.name |
| device_names.unload_reload_device | string | query | False | Filter by device_names.unload_reload_device |
| device_names.no_rewind_device | string | query | False | Filter by device_names.no_rewind_device |

| Name | Type | In | Required | Description |
|----------------------------|---------------|-------|----------|--|
| device_names.rewind_device | string | query | False | Filter by device_names.rewind_device |
| node.uuid | string | query | False | Filter by node.uuid |
| node.name | string | query | False | Filter by node.name |
| wwpn | string | query | False | Filter by wwpn |
| aliases.mapping | string | query | False | Filter by aliases.mapping <ul style="list-style-type: none"> • Introduced in: 9.11 |
| aliases.name | string | query | False | Filter by aliases.name <ul style="list-style-type: none"> • Introduced in: 9.11 |
| description | string | query | False | Filter by description |
| reservation_type | string | query | False | Filter by reservation_type |
| fields | array[string] | query | False | Specify the fields to return. |
| max_records | integer | query | False | Limit the number of records returned. |
| return_records | boolean | query | False | The default is true for GET calls. When set to false, only the number of records is returned. <ul style="list-style-type: none"> • Default value: 1 |

| Name | Type | In | Required | Description |
|----------------|---------------|-------|----------|--|
| return_timeout | integer | query | False | <p>The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached.</p> <ul style="list-style-type: none"> • Default value: 1 • Max value: 120 • Min value: 0 |
| order_by | array[string] | query | False | Order results by specified fields and optional [asc |

Response

Status: 200, Ok

| Name | Type | Description |
|------------------------|--------------------------------------|-------------------|
| _links | _links | |
| num_records | integer | Number of records |
| records | array[tape_device] | |

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": {
    "alias": {
      "mapping": "SN[10WT000933]",
      "name": "st6"
    },
    "aliases": {
      "mapping": "SN[10WT000933]",
      "name": "st6"
    },
    "block_number": 0,
    "density": "low",
    "description": "QUANTUM LTO-8 ULTRIUM",
    "device_id": "1a.0",
    "device_names": {
      "no_rewind_device": "nrst6l",
      "rewind_device": "rst6l",
      "unload_reload_device": "urst6l"
    },
    "device_state": "read_write_enabled",
    "file_number": 0,
    "formats": [
      "LTO-7 6TB",
      "LTO-7 15TB Compressed",
      "LTO-8 12TB",
      "LTO-8 30TB Compressed"
    ],
    "interface": "sas",
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    }
  }
}
```



```

    },
    "position": {
      "count": 5,
      "operation": "rewind"
    },
    "reservation_type": "off",
    "residual_count": 0,
    "serial_number": "10WT00093",
    "storage_port": {
      "name": "2b"
    },
    "type": "tape",
    "wwnn": "500507631295741c",
    "wwpn": "500507631295741c"
  }
}

```

Error

Status: Default, Error

| Name | Type | Description |
|-------|-------|-------------|
| error | 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 |
|------|----------------------|-------------|
| next | href | |
| self | href | |

alias

| Name | Type | Description |
|---------|--------|---|
| mapping | string | This field will no longer be supported in a future release. Use <code>aliases.mapping</code> instead. |
| name | string | This field will no longer be supported in a future release. Use <code>aliases.name</code> instead. |

aliases

| Name | Type | Description |
|---------|--------|----------------|
| mapping | string | Alias mapping. |
| name | string | Alias name. |

device_names

| Name | Type | Description |
|----------------------|--------|--|
| no_rewind_device | string | Device name for no rewind. |
| rewind_device | string | Device name for rewind. |
| unload_reload_device | string | Device name for unload or reload operations. |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

node

| Name | Type | Description |
|------------------------|------------------------|-------------|
| _links | _links | |
| name | string | |
| uuid | string | |

position

| Name | Type | Description |
|-----------|---------|--|
| count | integer | Number of times to run position operation. |
| operation | string | Position operation. |

storage_port

| Name | Type | Description |
|------|--------|-----------------|
| name | string | Initiator port. |

tape_device

| Name | Type | Description |
|--------------|---------------------------------------|----------------------------------|
| alias | alias | |
| aliases | array[aliases] | |
| block_number | integer | Block number. |
| density | string | Density. |
| description | string | |
| device_id | string | |
| device_names | array[device_names] | |
| device_state | string | Operational state of the device. |
| file_number | integer | File number. |
| formats | array[string] | Tape cartridge format. |

| Name | Type | Description |
|------------------|------------------------------|---|
| interface | string | Device interface type. |
| node | node | |
| online | boolean | |
| position | position | |
| reservation_type | string | |
| residual_count | integer | Residual count of the last I/O operation. |
| serial_number | string | |
| storage_port | storage_port | |
| type | string | Device type. |
| wwnn | string | World Wide Node Name. |
| wwpn | string | World Wide Port Name. |

error_arguments

| Name | Type | Description |
|---------|--------|------------------|
| code | string | Argument code |
| message | string | Message argument |

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. |

Retrieve a tape device

GET /storage/tape-devices/{node.uuid}/{device_id}

Introduced In: 9.9

Retrieves a specific tape device.

Related ONTAP commands

- `storage tape show`

Learn more

- [DOC /storage/tape-devices](#)

Parameters

| Name | Type | In | Required | Description |
|-----------|---------------|-------|----------|-------------------------------|
| node.uuid | string | path | True | Node UUID |
| device_id | string | path | True | Device ID |
| fields | array[string] | query | False | Specify the fields to return. |

Response

Status: 200, Ok

| Name | Type | Description |
|--------------|---------------------------------------|----------------------------------|
| alias | alias | |
| aliases | array[aliases] | |
| block_number | integer | Block number. |
| density | string | Density. |
| description | string | |
| device_id | string | |
| device_names | array[device_names] | |
| device_state | string | Operational state of the device. |
| file_number | integer | File number. |
| formats | array[string] | Tape cartridge format. |

| Name | Type | Description |
|------------------|------------------------------|---|
| interface | string | Device interface type. |
| node | node | |
| online | boolean | |
| position | position | |
| reservation_type | string | |
| residual_count | integer | Residual count of the last I/O operation. |
| serial_number | string | |
| storage_port | storage_port | |
| type | string | Device type. |
| wwnn | string | World Wide Node Name. |
| wwpn | string | World Wide Port Name. |

Example response

```
{
  "alias": {
    "mapping": "SN[10WT000933]",
    "name": "st6"
  },
  "aliases": {
    "mapping": "SN[10WT000933]",
    "name": "st6"
  },
  "block_number": 0,
  "density": "low",
  "description": "QUANTUM LTO-8 ULTRIUM",
  "device_id": "1a.0",
  "device_names": {
    "no_rewind_device": "nrst6l",
    "rewind_device": "rst6l",
    "unload_reload_device": "urst6l"
  },
  "device_state": "read_write_enabled",
  "file_number": 0,
  "formats": [
    "LTO-7 6TB",
    "LTO-7 15TB Compressed",
    "LTO-8 12TB",
    "LTO-8 30TB Compressed"
  ],
  "interface": "sas",
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "position": {
    "count": 5,
    "operation": "rewind"
  },
  "reservation_type": "off",
  "residual_count": 0,
  "serial_number": "10WT00093",
  "storage_port": {
```

```
    "name": "2b"
  },
  "type": "tape",
  "wwnn": "500507631295741c",
  "wwpn": "500507631295741c"
}
```

Error

Status: Default, Error

| Name | Type | Description |
|-------|-------|-------------|
| error | error | |

Example error

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

Definitions

See Definitions

alias

| Name | Type | Description |
|---------|--------|--|
| mapping | string | This field will no longer be supported in a future release. Use aliases.mapping instead. |
| name | string | This field will no longer be supported in a future release. Use aliases.name instead. |

aliases

| Name | Type | Description |
|---------|--------|----------------|
| mapping | string | Alias mapping. |
| name | string | Alias name. |

device_names

| Name | Type | Description |
|----------------------|--------|--|
| no_rewind_device | string | Device name for no rewind. |
| rewind_device | string | Device name for rewind. |
| unload_reload_device | string | Device name for unload or reload operations. |

href

| Name | Type | Description |
|------|--------|-------------|
| href | string | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

node

| Name | Type | Description |
|--------|------------------------|-------------|
| _links | _links | |

| Name | Type | Description |
|------|--------|-------------|
| name | string | |
| uuid | string | |

position

| Name | Type | Description |
|-----------|---------|--|
| count | integer | Number of times to run position operation. |
| operation | string | Position operation. |

storage_port

| Name | Type | Description |
|------|--------|-----------------|
| name | string | Initiator port. |

error_arguments

| Name | Type | Description |
|---------|--------|------------------|
| code | string | Argument code |
| message | string | Message argument |

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 tape device

PATCH /storage/tape-devices/{node.uuid}/{device_id}

Introduced In: 9.11

Updates a specific tape device.

Related ONTAP commands

- `storage tape alias-set`
- `storage tape alias-clear`
- `storage tape online`
- `storage tape offline`
- `storage tape position`

Learn more

- [DOC /storage/tape-devices](#)

Parameters

| Name | Type | In | Required | Description |
|-----------|--------|------|----------|-------------|
| node.uuid | string | path | True | Node UUID |
| device_id | string | path | True | Device ID |

| Name | Type | In | Required | Description |
|----------------|---------|-------|----------|--|
| return_timeout | integer | query | False | <p>The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202.</p> <ul style="list-style-type: none"> • Default value: 1 • Max value: 120 • Min value: 0 |

Request Body

| Name | Type | Description |
|--------------|---------------------------------------|---------------|
| alias | alias | |
| aliases | array[aliases] | |
| block_number | integer | Block number. |
| density | string | Density. |
| description | string | |
| device_id | string | |
| device_names | array[device_names] | |

| Name | Type | Description |
|------------------|------------------------------|---|
| device_state | string | Operational state of the device. |
| file_number | integer | File number. |
| formats | array[string] | Tape cartridge format. |
| interface | string | Device interface type. |
| node | node | |
| online | boolean | |
| position | position | |
| reservation_type | string | |
| residual_count | integer | Residual count of the last I/O operation. |
| serial_number | string | |
| storage_port | storage_port | |
| type | string | Device type. |
| wwnn | string | World Wide Node Name. |
| wwpn | string | World Wide Port Name. |

Example request

```
{
  "alias": {
    "mapping": "SN[10WT000933]",
    "name": "st6"
  },
  "aliases": {
    "mapping": "SN[10WT000933]",
    "name": "st6"
  },
  "block_number": 0,
  "density": "low",
  "description": "QUANTUM LTO-8 ULTRIUM",
  "device_id": "1a.0",
  "device_names": {
    "no_rewind_device": "nrst6l",
    "rewind_device": "rst6l",
    "unload_reload_device": "urst6l"
  },
  "device_state": "read_write_enabled",
  "file_number": 0,
  "formats": [
    "LTO-7 6TB",
    "LTO-7 15TB Compressed",
    "LTO-8 12TB",
    "LTO-8 30TB Compressed"
  ],
  "interface": "sas",
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "position": {
    "count": 5,
    "operation": "rewind"
  },
  "reservation_type": "off",
  "residual_count": 0,
  "serial_number": "10WT00093",
  "storage_port": {
```

```

    "name": "2b"
  },
  "type": "tape",
  "wwnn": "500507631295741c",
  "wwpn": "500507631295741c"
}

```

Response

Status: 200, Ok

Response

Status: 202, Accepted

Error

Status: Default

ONTAP Error Response Codes

| Error Code | Description |
|------------|---|
| 11403264 | Tape operation "<operation>\" failed on tape device \"<device_id>\". This may indicate tape reached end of data, a hardware error, an illegal request, an invalid name format, or an aborted command.</device_id></operation> |
| 11403265 | Tape operation "<operation>\" failed because it encountered an unexpected file mark on tape device \"<device_id>\".</device_id></operation> |
| 11403266 | Internal error. Unknown tape parameter for tape device "<device_id>\".</device_id> |
| 11403267 | Tape device "<device_id>\" is busy.</device_id> |
| 11403268 | No tape loaded for "<operation>\" operation on tape drive \"<device_id>\".</device_id></operation> |
| 11403269 | Tape device "<device_id>\" unknown.</device_id> |
| 11403270 | Tape alias name "<alias>\" already exists.</alias> |
| 11403271 | The format of the tape alias name "<alias>\" is invalid. Use \"st\" or \"mc\" followed by one or more digits.</alias> |

| Error Code | Description |
|------------|---|
| 11403273 | Internal error. Tape alias name "<alias>" not saved.</alias> |
| 11403274 | Internal error. Tape alias operation "<operation>" for alias name "<alias>" failed.</alias></operation> |
| 11403275 | Tape alias name "<alias>" not found.</alias> |
| 11403277 | Tape device "<device_id>" is reserved by another host.</device_id> |
| 11403278 | Invalid count value specified with operation "<operation>". Valid values are from 0 to {1}.</operation> |

| Name | Type | Description |
|-------|-------|-------------|
| error | error | |

Example error

```

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

```

Definitions

See Definitions

alias

| Name | Type | Description |
|---------|--------|---|
| mapping | string | This field will no longer be supported in a future release. Use <code>aliases.mapping</code> instead. |
| name | string | This field will no longer be supported in a future release. Use <code>aliases.name</code> instead. |

aliases

| Name | Type | Description |
|---------|--------|----------------|
| mapping | string | Alias mapping. |
| name | string | Alias name. |

device_names

| Name | Type | Description |
|----------------------|--------|--|
| no_rewind_device | string | Device name for no rewind. |
| rewind_device | string | Device name for rewind. |
| unload_reload_device | string | Device name for unload or reload operations. |

href

| Name | Type | Description |
|------|--------|-------------|
| href | string | |

_links

| Name | Type | Description |
|------|----------------------|-------------|
| self | href | |

node

| Name | Type | Description |
|--------|------------------------|-------------|
| _links | _links | |

| Name | Type | Description |
|------|--------|-------------|
| name | string | |
| uuid | string | |

position

| Name | Type | Description |
|-----------|---------|--|
| count | integer | Number of times to run position operation. |
| operation | string | Position operation. |

storage_port

| Name | Type | Description |
|------|--------|-----------------|
| name | string | Initiator port. |

tape_device

| Name | Type | Description |
|--------------|---------------------------------------|----------------------------------|
| alias | alias | |
| aliases | array[aliases] | |
| block_number | integer | Block number. |
| density | string | Density. |
| description | string | |
| device_id | string | |
| device_names | array[device_names] | |
| device_state | string | Operational state of the device. |
| file_number | integer | File number. |
| formats | array[string] | Tape cartridge format. |
| interface | string | Device interface type. |
| node | node | |
| online | boolean | |
| position | position | |

| Name | Type | Description |
|------------------|------------------------------|---|
| reservation_type | string | |
| residual_count | integer | Residual count of the last I/O operation. |
| serial_number | string | |
| storage_port | storage_port | |
| type | string | Device type. |
| wwnn | string | World Wide Node Name. |
| wwpn | string | World Wide Port Name. |

error_arguments

| Name | Type | Description |
|---------|--------|------------------|
| code | string | Argument code |
| message | string | Message argument |

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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