



Manage NDMP session configurations

ONTAP 9.14.1 REST API reference

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Manage NDMP session configurations

Protocols NDMP sessions endpoint overview

You can use this API to manage diagnostic information on NDMP sessions belonging to a specific SVM in the case of SVM-scope or to a specific node in the case of node-scope.

Examples

Retrieves NDMP session details under node-scope:

```
GET "/api/protocols/ndmp/sessions/9b372ce7-3a4b-11e9-a7f8-0050568e3d73/2000"
```

Retrieves NDMP session details under SVM-scope:

```
GET "/api/protocols/ndmp/sessions/13bb2092-458b-11e9-9c06-0050568ea604/2000:4000"
```

Deletes NDMP session details under node-scope:

```
DELETE "/api/protocols/ndmp/sessions/9b372ce7-3a4b-11e9-a7f8-0050568e3d73/2000"
```

Deletes NDMP session details under SVM-scope:

```
DELETE "/api/protocols/ndmp/sessions/13bb2092-458b-11e9-9c06-0050568ea604/2000:4000"
```

Retrieve NDMP sessions

```
GET /protocols/ndmp/sessions
```

Introduced In: 9.7

Retrieves a collection of NDMP sessions. In the case of SVM-scope, if this API is executed on a data IP, it displays the list of NDMP sessions under the specified SVM; otherwise it displays the list of NDMP sessions for all the SVMs under the cluster. In the case of node-scope, it displays the list of NDMP sessions for all nodes.

Related ONTAP commands

- `vserver services ndmp probe`
- `system services ndmp probe`

Learn more

- [DOC /protocols/ndmp/sessions](#)

Parameters

| Name | Type | In | Required | Description |
|-------------------|---------|-------|----------|---|
| node.name | string | query | False | Filter by node.name |
| node.uuid | string | query | False | Filter by node.uuid |
| scsi.target_id | integer | query | False | Filter by scsi.target_id |
| scsi.host_adapter | integer | query | False | Filter by scsi.host_adapter |
| scsi.device_id | string | query | False | Filter by scsi.device_id |
| scsi.lun_id | integer | query | False | Filter by scsi.lun_id |
| client_port | integer | query | False | Filter by client_port |
| source_address | string | query | False | Filter by source_address |
| data_path | string | query | False | Filter by data_path |
| uuid | string | query | False | Filter by uuid <ul style="list-style-type: none">• Introduced in: 9.9 |
| client_address | string | query | False | Filter by client_address |
| id | string | query | False | Filter by id |
| svm.uuid | string | query | False | Filter by svm.uuid |
| svm.name | string | query | False | Filter by svm.name |
| tape_device | string | query | False | Filter by tape_device |
| tape_mode | string | query | False | Filter by tape_mode |

| Name | Type | In | Required | Description |
|--------------------------|-------------|-----------|-----------------|------------------------------------|
| backup_engine | string | query | False | Filter by backup_engine |
| data.operation | string | query | False | Filter by data.operation |
| data.connection.address | string | query | False | Filter by data.connection.address |
| data.connection.type | string | query | False | Filter by data.connection.type |
| data.connection.port | integer | query | False | Filter by data.connection.port |
| data.state | string | query | False | Filter by data.state |
| data.reason | string | query | False | Filter by data.reason |
| data.bytes_processed | integer | query | False | Filter by data.bytes_processed |
| mover.mode | string | query | False | Filter by mover.mode |
| mover.bytes_moved | integer | query | False | Filter by mover.bytes_moved |
| mover.connection.address | string | query | False | Filter by mover.connection.address |
| mover.connection.type | string | query | False | Filter by mover.connection.type |
| mover.connection.port | integer | query | False | Filter by mover.connection.port |
| mover.state | string | query | False | Filter by mover.state |
| mover.reason | string | query | False | Filter by mover.reason |

| Name | Type | In | Required | Description |
|----------------|---------------|-------|----------|---|
| 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 |
| return_timeout | integer | query | False | 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. <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[ndmp_session] | |

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "backup_engine": "dump",
    "data": {
      "bytes_processed": 5000,
      "connection": {
        "port": 18600,
        "type": "local"
      },
      "operation": "backup",
      "reason": "aborted",
      "state": "halted"
    },
    "data_path": "/vserver1/vol1",
    "mover": {
      "bytes_moved": 645120,
      "connection": {
        "port": 18600,
        "type": "local"
      },
      "mode": "read",
      "reason": "end_of_media",
      "state": "connected"
    },
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      }
    }
  },
}
```

```

    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "tape_device": "nrst0a",
  "tape_mode": "write"
}

```

Error

Status: Default

ONTAP Error Response codes

| Error code | Description |
|------------|--|
| 68812805 | Failed to obtain the NDMP mode of the operation. |

| 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 |
|------|----------------------|-------------|
| next | href | |
| self | href | |

_links

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

ndmp_connect

Indicates the NDMP connection attributes.

| Name | Type | Description |
|---------|---------|---|
| address | string | Indicates the NDMP data connection address. |
| port | integer | Indicates the NDMP data connection port. |
| type | string | The different NDMP connection types. |

ndmp_data

Information about the NDMP data server.

| Name | Type | Description |
|-----------------|------------------------------|---|
| bytes_processed | integer | Indicates the NDMP data bytes processed. |
| connection | ndmp_connect | Indicates the NDMP connection attributes. |
| operation | string | Indicates the NDMP data server operation. |

| Name | Type | Description |
|--------|--------|--|
| reason | string | If the NDMP mover or data server is in the paused or halted state, then this property provides additional information for the state. |
| state | string | The various states of the NDMP state machine during a backup or restore workflow. |

ndmp_mover

Information about the NDMP mover.

| Name | Type | Description |
|-------------|------------------------------|--|
| bytes_moved | integer | Indicates the NDMP mover bytes moved. |
| connection | ndmp_connect | Indicates the NDMP connection attributes. |
| mode | string | The modes of a NDMP mover instance. |
| reason | string | If the NDMP mover or data server is in the paused or halted state, then this property provides additional information for the state. |
| state | string | The various states of the NDMP state machine during a backup or restore workflow. |

node

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

ndmp_scsi

Information about the NDMP SCSI server.

| Name | Type | Description |
|--------------|---------|---------------------------------------|
| device_id | string | Indicates the NDMP SCSI device ID. |
| host_adapter | integer | Indicates the NDMP SCSI host adapter. |
| lun_id | integer | Indicates the NDMP SCSI LUN ID. |
| target_id | integer | Indicates the NDMP SCSI target ID. |

svm

SVM, applies only to SVM-scoped objects.

| Name | Type | Description |
|--------|------------------------|---|
| _links | _links | |
| name | string | The name of the SVM. This field cannot be specified in a PATCH method. |
| uuid | string | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

ndmp_session

| Name | Type | Description |
|----------------|---------------------------|--|
| _links | _links | |
| backup_engine | string | Indicates the NDMP backup engine. |
| client_address | string | Indicates the NDMP client address. |
| client_port | integer | Indicates the NDMP client port. |
| data | ndmp_data | Information about the NDMP data server. |
| data_path | string | Indicates the NDMP backup or restore path. |

| Name | Type | Description |
|----------------|----------------------------|---|
| id | string | NDMP session identifier. |
| mover | ndmp_mover | Information about the NDMP mover. |
| node | node | |
| scsi | ndmp_scsi | Information about the NDMP SCSI server. |
| source_address | string | Indicates the NDMP local address on which connection was established. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| tape_device | string | Indicates the NDMP tape device. |
| tape_mode | string | The modes of a NDMP mover instance. |
| uuid | string | The NDMP node or SVM UUID based on whether NDMP is operating in node-scope or SVM-scope mode. |

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 |

| Name | Type | Description |
|--------|--------|---|
| target | string | The target parameter that caused the error. |

Delete an NDMP session

DELETE /protocols/ndmp/sessions/{owner.uuid}/{session.id}

Introduced In: 9.7

Deletes a specific NDMP session.

Related ONTAP commands

- `vserver services ndmp kill`
- `system services ndmp kill`

Learn more

- [DOC /protocols/ndmp/sessions](#)

Parameters

| Name | Type | In | Required | Description |
|------------|--------|------|----------|--------------------|
| owner.uuid | string | path | True | NDMP node UUID |
| session.id | string | path | True | Session identifier |

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response codes

| Error code | Description |
|------------|------------------------|
| 68812802 | The UUID is not valid. |

| Error code | Description |
|------------|---|
| 68812803 | Failed to get the SVM name from the specified SVM UUID. |
| 68812804 | Failed to get the node name from the specified node UUID. |
| 68812805 | Failed to obtain the NDMP mode of operation. |
| 68812806 | UUID and Session ID are required. |

| 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

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. |

Retrieve NDMP session details

GET /protocols/ndmp/sessions/{owner.uuid}/{session.id}

Introduced In: 9.7

Retrieves the details of a specific NDMP session.

Related ONTAP commands

- `vserver services ndmp probe`
- `system services ndmp probe`

Learn more

- [DOC /protocols/ndmp/sessions](#)

Parameters

| Name | Type | In | Required | Description |
|------------|---------------|-------|----------|---|
| owner.uuid | string | path | True | The NDMP node or SVM UUID based on whether NDMP is operating in node-scope or SVM-scope mode. |
| session.id | string | path | True | NDMP session identifier |
| fields | array[string] | query | False | Specify the fields to return. |

Response

Status: 200, Ok

| Name | Type | Description |
|----------------|----------------------------|--|
| _links | _links | |
| backup_engine | string | Indicates the NDMP backup engine. |
| client_address | string | Indicates the NDMP client address. |
| client_port | integer | Indicates the NDMP client port. |
| data | ndmp_data | Information about the NDMP data server. |
| data_path | string | Indicates the NDMP backup or restore path. |
| id | string | NDMP session identifier. |
| mover | ndmp_mover | Information about the NDMP mover. |
| node | node | |
| scsi | ndmp_scsi | Information about the NDMP SCSI server. |

| Name | Type | Description |
|----------------|--------|---|
| source_address | string | Indicates the NDMP local address on which connection was established. |
| svm | svm | SVM, applies only to SVM-scoped objects. |
| tape_device | string | Indicates the NDMP tape device. |
| tape_mode | string | The modes of a NDMP mover instance. |
| uuid | string | The NDMP node or SVM UUID based on whether NDMP is operating in node-scope or SVM-scope mode. |

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "backup_engine": "dump",
  "data": {
    "bytes_processed": 5000,
    "connection": {
      "port": 18600,
      "type": "local"
    },
    "operation": "backup",
    "reason": "aborted",
    "state": "halted"
  },
  "data_path": "/vserver1/vol1",
  "mover": {
    "bytes_moved": 645120,
    "connection": {
      "port": 18600,
      "type": "local"
    },
    "mode": "read",
    "reason": "end_of_media",
    "state": "connected"
  },
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
```

```
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "tape_device": "nrst0a",
  "tape_mode": "write"
}
```

Error

Status: Default

ONTAP Error Response codes

| Error code | Description |
|------------|------------------------|
| 68812802 | The UUID is not valid. |

| 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 | |

ndmp_connect

Indicates the NDMP connection attributes.

| Name | Type | Description |
|---------|---------|---|
| address | string | Indicates the NDMP data connection address. |
| port | integer | Indicates the NDMP data connection port. |
| type | string | The different NDMP connection types. |

ndmp_data

Information about the NDMP data server.

| Name | Type | Description |
|-----------------|------------------------------|--|
| bytes_processed | integer | Indicates the NDMP data bytes processed. |
| connection | ndmp_connect | Indicates the NDMP connection attributes. |
| operation | string | Indicates the NDMP data server operation. |
| reason | string | If the NDMP mover or data server is in the paused or halted state, then this property provides additional information for the state. |

| Name | Type | Description |
|-------|--------|---|
| state | string | The various states of the NDMP state machine during a backup or restore workflow. |

ndmp_mover

Information about the NDMP mover.

| Name | Type | Description |
|-------------|------------------------------|--|
| bytes_moved | integer | Indicates the NDMP mover bytes moved. |
| connection | ndmp_connect | Indicates the NDMP connection attributes. |
| mode | string | The modes of a NDMP mover instance. |
| reason | string | If the NDMP mover or data server is in the paused or halted state, then this property provides additional information for the state. |
| state | string | The various states of the NDMP state machine during a backup or restore workflow. |

node

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

ndmp_scsi

Information about the NDMP SCSI server.

| Name | Type | Description |
|-----------|--------|------------------------------------|
| device_id | string | Indicates the NDMP SCSI device ID. |

| Name | Type | Description |
|--------------|---------|---------------------------------------|
| host_adapter | integer | Indicates the NDMP SCSI host adapter. |
| lun_id | integer | Indicates the NDMP SCSI LUN ID. |
| target_id | integer | Indicates the NDMP SCSI target ID. |

svm

SVM, applies only to SVM-scoped objects.

| Name | Type | Description |
|--------|------------------------|---|
| _links | _links | |
| name | string | The name of the SVM. This field cannot be specified in a PATCH method. |
| uuid | string | The unique identifier of the SVM. This field cannot be specified in a PATCH method. |

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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