Manage NDMP node configurations

REST API reference

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Manage NDMP node configurations

Protocols NDMP nodes endpoint overview

You can use this API to manage node configurations. The authentication types "plaintext" and "plaintext_sso" are used to show that the password uses clear text. Also, they contain no differences for NDMP node scope.

Examples

Updates "enabled" and "authentication_types" fields:

```
 PATCH "/api/protocols/ndmp/nodes/13bb2092-458b-11e9-9c06-0050568ea64e"
'{"enabled":"false","authentication_types":["plaintext"]}'
```

Updates the "user" field:

```
 PATCH "/api/protocols/ndmp/nodes/13bb2092-458b-11e9-9c06-0050568ea64e"
'{"user":"user22"}'
```

Retrieve the NDMP node configurations for all nodes

GET `/protocols/ndmp/nodes`

Introduced In: 9.7

Retrieves NDMP node configurations for all of the nodes.

Related ONTAP commands

- `system services ndmp show`

Learn more

- DOC /protocols/ndmp/nodes

Parameters

Name	Type	In	Required	Description
user	string	query	False	Filter by user
enabled	boolean	query	False	Filter by enabled
node.name	string	query	False	Filter by node.name

Name	Type	In	Required	Description
node.uuid	string	query	False	Filter by node.uuid
authentication_types	string	query	False	Filter by authentication_types
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. • 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. • 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_node]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "authentication_types": [
        "plaintext",
        "challenge"
      ],
      "enabled": 1,
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "user": "ndmp_user"
    }
  ]
}
```

Error

```
Status: Default
```

ONTAP Error Response codes

Error code	Description
68812801	Node-scoped operations are not allowed in an SVM-scope.
68812804	Failed to get the node name from the specified node UUID.

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	

node

Storage system node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

ndmp_node

Name	Type	Description
_links	_links	
authentication_types	array[string]	NDMP authentication types.
enabled	boolean	Is the NDMP service enabled?
node	node	Storage system node
user	string	NDMP user ID

error_arguments

Name	Type	Description
code	string	Argument code

Name	Type	Description
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 the NDMP node configuration for a node

GET `/protocols/ndmp/nodes/{node.uuid}`

Introduced In: 9.7

Retrieves an NDMP node configuration for a specific node.

Related ONTAP commands

- `system services ndmp show`

Learn more

- DOC /protocols/ndmp/nodes

Parameters

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

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
authentication_types	array[string]	NDMP authentication types.
enabled	boolean	Is the NDMP service enabled?
node	node	Storage system node
user	string	NDMP user ID

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "authentication_types": [
    "plaintext",
    "challenge"
  ],
  "enabled": 1,
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "user": "ndmp_user"
}
```


Error

```
Status: Default
```

ONTAP Error Response codes

Error code	Description
68812801	Node-scoped operations are not allowed in an SVM-scope.
68812802	The UUID is not valid.
68812804	Failed to get the node name from the specified node UUID.

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	

node

Storage system node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

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 the NDMP node configuration for a node

PATCH `/protocols/ndmp/nodes/{node.uuid}`

Introduced In: 9.7

Updates the NDMP node configuration for a specific node.

Related ONTAP commands

- `system services ndmp modify`

Learn more

- DOC /protocols/ndmp/nodes

Parameters

Name	Type	In	Required	Description
node.uuid	string	path	True	Node UUID

Request Body

Name	Type	Description
authentication_types	array[string]	NDMP authentication types.
enabled	boolean	Is the NDMP service enabled?
node	node	Storage system node
password	string	NDMP password. This can only be set and cannot be read back.
user	string	NDMP user ID

Example request

```
{
  "authentication_types": [
    "plaintext",
    "challenge"
  ],
  "enabled": 1,
  "node": {
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "password": "string",
  "user": "ndmp_user"
}
```

Response

```
Status: 200, Ok
```

Name	Type	Description
authentication_types	array[string]	NDMP authentication types.
enabled	boolean	Is the NDMP service enabled?
node	node	Storage system node
password	string	NDMP password. This can only be set and cannot be read back.
user	string	NDMP user ID

Example response


```
{
  "authentication_types": [
    "plaintext",
    "challenge"
  ],
  "enabled": 1,
  "node": {
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "password": "string",
  "user": "ndmp_user"
}
```


Error

```
Status: Default
```

ONTAP Error Response codes

Error code	Description
68812800	The user is required to enable NDMP on a node.
68812801	Node-scoped operations are not allowed in an SVM-scope.
68812802	The UUID is not valid.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

node

Storage system node

Name	Type	Description
name	string	
uuid	string	

ndmp_node

Name	Type	Description
authentication_types	array[string]	NDMP authentication types.
enabled	boolean	Is the NDMP service enabled?
node	node	Storage system node
password	string	NDMP password. This can only be set and cannot be read back.
user	string	NDMP user ID

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

Name	Type	Description
message	string	Error message
target	string	The target parameter that caused the error.

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