



# **Manage NDMP node configurations**

ONTAP 9.12.1 REST API reference

NetApp

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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 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
authentication_types	string	query	False	Filter by authentication_types

Name	Type	In	Required	Description
node.uuid	string	query	False	Filter by node.uuid
node.name	string	query	False	Filter by node.name
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	<p>The default is true for GET calls. When set to false, only the number of records is returned.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> </ul>
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"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>
order_by	array[string]	query	False	Order results by specified fields and optional [asc

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
num_records	integer	Number of Records
records	array[ <a href="#">ndmp_node</a> ]	

### 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	<a href="#">error</a>	

### 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	<a href="#">href</a>	
self	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

node

Storage system node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

ndmp\_node

Name	Type	Description
_links	<a href="#">_links</a>	
authentication_types	array[string]	NDMP authentication types.
enabled	boolean	Is the NDMP service enabled?
node	<a href="#">node</a>	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

error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	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	<a href="#">_links</a>	
authentication_types	array[string]	NDMP authentication types.
enabled	boolean	Is the NDMP service enabled?
node	<a href="#">node</a>	Storage system node
password	string	NDMP password. This can only be set and cannot be read back.
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	<a href="#">error</a>	

### 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	<a href="#">href</a>	

node

Storage system node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	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
_links	<a href="#">_links</a>	
authentication_types	array[string]	NDMP authentication types.
enabled	boolean	Is the NDMP service enabled?
node	<a href="#">node</a>	Storage system node
password	string	NDMP password. This can only be set and cannot be read back.
user	string	NDMP user ID

## Example request

```
{
  "_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"
}
```

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
authentication_types	array[string]	NDMP authentication types.
enabled	boolean	Is the NDMP service enabled?
node	<a href="#">node</a>	Storage system node
password	string	NDMP password. This can only be set and cannot be read back.
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
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.

Name	Type	Description
error	<a href="#">error</a>	

### 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	<a href="#">href</a>	

node

Storage system node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

ndmp\_node

Name	Type	Description
_links	<a href="#">_links</a>	
authentication_types	array[string]	NDMP authentication types.
enabled	boolean	Is the NDMP service enabled?
node	<a href="#">node</a>	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

error



Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

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