# Manage NDMP node configurations

## REST API reference

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# Manage NDMP node configurations

## Manage NDMP node configurations

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 |
|---|---|---|---|---|
| authentication_types | string | query | False | Filter by authentication_types |
| 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 |
| user | string | query | False | Filter by user |
| 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.<br>• 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.<br>• Default value: 15<br>• Max value: 120<br>• 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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