



Manage NDMP node configurations

ONTAP 9.14.1 REST API reference

NetApp
May 23, 2024

Table of Contents

- Manage NDMP node configurations 1
 - Protocols NDMP nodes endpoint overview 1
 - Retrieve the NDMP node configurations for all nodes 1
 - Retrieve the NDMP node configuration for a node 6
 - Update the NDMP node configuration for a node 9

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. <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_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 |
| 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 |
| 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 |
| 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 | 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 |
|----------------------|------------------------|--|
| _links | _links | |
| 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

```
{
  "_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 | _links | |
| 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

```
{
  "_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 | 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 | |

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 |
| 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 |
| message | string | Error message |
| target | string | The target parameter that caused the error. |

Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.