



# **Manage HTTP proxy configuration**

## REST API reference

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# Manage HTTP proxy configuration

## Manage HTTP proxy configuration

### Overview

Configuration of an HTTP proxy for an SVM or a Cluster IPspace.

### Retrieve HTTP proxy information

The HTTP proxy GET operation retrieves all configurations for an SVM or a Cluster IPspace via '/api/cluster'.

### Examples

Retrieving all fields for all HTTP proxy configurations

```
# The API:
/api/network/http-proxy

# The call:
curl -X GET "https://<mgmt-ip>/api/network/http-
proxy?fields=*&return_records=true&return_timeout=15" -H "accept:
application/json"

# The response:
{
  "records": [
    {
      "uuid": "4133a1fc-7228-11e9-b40c-005056bb4f0c",
      "svm": {
        "name": "vs1",
        "uuid": "4133a1fc-7228-11e9-b40c-005056bb4f0c"
      },
      "server": "server1.example.com",
      "port": 3128,
      "authentication_enabled": false
    },
    {
      "uuid": "96219ce3-7214-11e9-828c-005056bb4f0c",
      "svm": {
        "name": "cluster-1",
        "uuid": "96219ce3-7214-11e9-828c-005056bb4f0c"
      },
      "ipspace": {
        "uuid": "7433520f-7214-11e9-828c-005056bb4f0c",
        "name": "Default"
      },
      "server": "1.1.1.",
      "port": 3128,
      "authentication_enabled": true
    }
  ],
  "num_records": 2
}
```

## Retrieving the HTTP proxy configuration for a specific SVM

```
# The API:
/api/network/http-proxy/{uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/network/http-proxy/96219ce3-7214-11e9-828c-005056bb4f0c" -H "accept: application/json"

# The response
{
  "uuid": "96219ce3-7214-11e9-828c-005056bb4f0c",
  "svm": {
    "name": "cluster-1",
    "uuid": "96219ce3-7214-11e9-828c-005056bb4f0c"
  },
  "ipspace": {
    "uuid": "7433520f-7214-11e9-828c-005056bb4f0c",
    "name": "Default"
  },
  "server": "1.1.1.1",
  "port": 3128,
  "authentication_enabled": false
}
```

## Creating an HTTP proxy configuration

You can use the HTTP proxy POST operation to create an HTTP proxy configuration for the specified SVM.

## Examples

### Creating an HTTP proxy configuration for a particular SVM

```
# The API:
/api/network/http-proxy

# The call:
curl -X POST "https://<mgmt-ip>/api/network/http-proxy" -H "accept: application/json" -H "Content-Type: application/json" -d "{  \"port\": 3128,  \"server\": \"1.1.1.1\",  \"svm\": {    \"name\": \"cluster-1\"  }}"
```

### Creating an HTTP proxy configuration for a particular IPspace

```
# The API:
/api/network/http-proxy

# The call:
curl -X POST "https://<mgmt-ip>/api/network/http-proxy" -H "accept:
application/json" -H "Content-Type: application/json" -d "{  \"ipSpace\":
{    \"name\": \"Default\"  },  \"port\": 3128,  \"server\": \"1.1.1.1\"}"
```

## Creating an HTTP proxy configuration with authentication enabled

```
# The API:
/api/network/http-proxy

# The call:
curl -X POST "https://<mgmt-ip>/api/network/http-proxy" -H "accept:
application/json" -H "Content-Type: application/json" -d "{  \"ipSpace\":
{    \"name\": \"Default\"  },  \"port\": 3128,  \"server\": \"1.1.1.1\",
  \"authentication_enabled\":true,  \"username\":\"test\",
  \"password\":\"test\"}"
```

## Update an HTTP proxy configuration for a specified SVM

You can use the HTTP proxy PATCH operation to update the HTTP proxy configuration for the specified SVM.

### Example

The following example shows how a PATCH operation is used to update an HTTP proxy configuration for a specific SVM:

```
# The API:
/api/network/http-proxy/{uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/network/http-proxy/96219ce3-7214-
11e9-828c-005056bb4f0c" -H "accept: application/json" -H "Content-Type:
application/json" -d "{    \"port\": 3128,  \"server\":
  \"server2.example.com\"}"
```

## Delete an HTTP proxy configuration for a specified SVM

You can use the HTTP proxy DELETE operation to delete the HTTP proxy configuration for the specified SVM.

## Example

The following example shows how a DELETE operation is used to delete an HTTP proxy configuration for a specific SVM:

```
# The API:
/api/network/http-proxy/{uuid}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/network/http-proxy/96219ce3-7214-11e9-828c-005056bb4f0c" -H "accept: application/json"
```

## Retrieve HTTP proxy configurations for all SVMs and cluster IPspaces

GET /network/http-proxy

Introduced In: 9.7

Retrieves the HTTP proxy configurations of all the SVMs and Cluster IPspaces.

### Related ONTAP commands

- `vserver http-proxy show`

### Parameters

| Name                   | Type    | In    | Required | Description                                                                                              |
|------------------------|---------|-------|----------|----------------------------------------------------------------------------------------------------------|
| svm.name               | string  | query | False    | Filter by svm.name                                                                                       |
| svm.uuid               | string  | query | False    | Filter by svm.uuid                                                                                       |
| authentication_enabled | boolean | query | False    | Filter by authentication_enabled<br><ul style="list-style-type: none"><li>• Introduced in: 9.9</li></ul> |
| server                 | string  | query | False    | Filter by server                                                                                         |
| scope                  | string  | query | False    | Filter by scope                                                                                          |
| ipspace.name           | string  | query | False    | Filter by ipspace.name                                                                                   |

| Name           | Type          | In    | Required | Description                                                                                                                                                                                                                                                                                                                                    |
|----------------|---------------|-------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ipspace.uuid   | string        | query | False    | Filter by<br>ipspace.uuid                                                                                                                                                                                                                                                                                                                      |
| uuid           | string        | query | False    | Filter by uuid                                                                                                                                                                                                                                                                                                                                 |
| port           | integer       | query | False    | Filter by port <ul style="list-style-type: none"> <li>• Max value: 65535</li> <li>• Min value: 1</li> </ul>                                                                                                                                                                                                                                    |
| 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"> <li>• Default value: 1</li> </ul>                                                                                                                                                                             |
| 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"> <li>• Max value: 120</li> <li>• Min value: 0</li> <li>• Default value: 15</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 HTTP proxy records |
| records     | array[ <a href="#">network_http_proxy</a> ] |                              |

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "ipospace": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "Default",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "port": 3128,
      "scope": "string",
      "server": "string",
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "uuid": "string"
    }
  ]
}
```

## Error

Status: Default, Error

| Name  | Type                           | Description |
|-------|--------------------------------|-------------|
| error | <a href="#">returned_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> |             |

ipspace

Applies to both SVM and cluster-scoped objects. Either the UUID or name is supplied on input. This is mutually exclusive with SVM during POST and PATCH.

| Name   | Type                   | Description  |
|--------|------------------------|--------------|
| _links | <a href="#">_links</a> |              |
| name   | string                 | IPspace name |
| uuid   | string                 | IPspace UUID |

svm

This is mutually exclusive with IPspace during POST and PATCH.

| Name   | Type                   | Description                                                                         |
|--------|------------------------|-------------------------------------------------------------------------------------|
| _links | <a href="#">_links</a> |                                                                                     |
| 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. |

network\_http\_proxy

| Name                   | Type                    | Description                                                                                                                                              |
|------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| _links                 | <a href="#">_links</a>  |                                                                                                                                                          |
| authentication_enabled | boolean                 | Specifies whether or not authentication with the HTTP proxy server is enabled.                                                                           |
| ipspace                | <a href="#">ipspace</a> | Applies to both SVM and cluster-scoped objects. Either the UUID or name is supplied on input. This is mutually exclusive with SVM during POST and PATCH. |
| port                   | integer                 | The port number on which the HTTP proxy service is configured on the proxy server.                                                                       |
| scope                  | string                  | Set to "svm" for HTTP proxy owned by an SVM. Otherwise, set to "cluster".                                                                                |
| server                 | string                  | Fully qualified domain name (FQDN) or IP address of the HTTP proxy server.                                                                               |
| svm                    | <a href="#">svm</a>     | This is mutually exclusive with IPspace during POST and PATCH.                                                                                           |
| uuid                   | string                  | The UUID that uniquely identifies the HTTP proxy.                                                                                                        |

#### error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

#### returned\_error

| Name      | Type                                     | Description       |
|-----------|------------------------------------------|-------------------|
| arguments | array[ <a href="#">error_arguments</a> ] | Message arguments |
| code      | string                                   | Error code        |

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

## Create an HTTP proxy configuration for an SVM or cluster IPspace

POST /network/http-proxy

**Introduced In:** 9.7

Creates an HTTP proxy configuration for an SVM or a Cluster IPspace. Important notes:

- IPv6 must be enabled if IPv6 family addresses are specified in the "server" field.
- The server and the port combination specified using the "server" and "port" fields is validated during this operation. The validation will fail in the following scenarios:
  - The HTTP proxy service is not configured on the server.
  - The HTTP proxy service is not running on the specified port.
  - The server is unreachable.

### Required properties

- SVM-scoped HTTP proxy
  - `svm.uuid` or `svm.name` - Existing SVM in which to create the HTTP proxy.
- Cluster-scoped HTTP proxy
  - `ipspace.uuid` or `ipspace.name` - Existing Cluster IPspace in which to create the HTTP proxy.
- `server` - HTTP proxy server FQDN or IP address.
- `port` - HTTP proxy server port.

### Optional properties

- `authentication_enabled` - Specifies if authentication is required for the HTTP proxy server.
- `username` - Username used to authenticate with the HTTP proxy server.
- `password` - Password used to authenticate with the HTTP proxy server.

### Related ONTAP commands

- `vserver http-proxy create`

## Parameters

| Name           | Type    | In    | Required | Description                                                                                                                             |
|----------------|---------|-------|----------|-----------------------------------------------------------------------------------------------------------------------------------------|
| return_records | boolean | query | False    | <p>The default is false. If set to true, the records are returned.</p> <ul style="list-style-type: none"><li>• Default value:</li></ul> |

## Request Body

| Name                   | Type                    | Description                                                                                                                                              |
|------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| authentication_enabled | boolean                 | Specifies whether or not authentication with the HTTP proxy server is enabled.                                                                           |
| ipspace                | <a href="#">ipspace</a> | Applies to both SVM and cluster-scoped objects. Either the UUID or name is supplied on input. This is mutually exclusive with SVM during POST and PATCH. |
| password               | string                  | Password to authenticate with the HTTP proxy server when authentication_enabled is set to "true".                                                        |
| port                   | integer                 | The port number on which the HTTP proxy service is configured on the proxy server.                                                                       |
| scope                  | string                  | Set to "svm" for HTTP proxy owned by an SVM. Otherwise, set to "cluster".                                                                                |
| server                 | string                  | Fully qualified domain name (FQDN) or IP address of the HTTP proxy server.                                                                               |
| svm                    | <a href="#">svm</a>     | This is mutually exclusive with IPspace during POST and PATCH.                                                                                           |
| username               | string                  | Username to authenticate with the HTTP proxy server when authentication_enabled is set to "true".                                                        |

| Name | Type   | Description                                       |
|------|--------|---------------------------------------------------|
| uuid | string | The UUID that uniquely identifies the HTTP proxy. |

### Example request

```
{
  "ipspace": {
    "name": "Default",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "password": "string",
  "port": 3128,
  "scope": "string",
  "server": "string",
  "svm": {
    "name": "svml",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "username": "string",
  "uuid": "string"
}
```

### Response

Status: 201, Created

| Name        | Type                      | Description                  |
|-------------|---------------------------|------------------------------|
| num_records | integer                   | Number of HTTP proxy records |
| records     | array[network_http_proxy] |                              |

## Example response

```
{
  "num_records": 1,
  "records": [
    {
      "ipspace": {
        "name": "Default",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "password": "string",
      "port": 3128,
      "scope": "string",
      "server": "string",
      "svm": {
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "username": "string",
      "uuid": "string"
    }
  ]
}
```

## Headers

| Name     | Description                               | Type   |
|----------|-------------------------------------------|--------|
| Location | Useful for tracking the resource location | string |

## Error

Status: Default

## ONTAP Error Response Codes

| Error Code | Description                                                         |
|------------|---------------------------------------------------------------------|
| 26214473   | HTTP proxy configuration is not valid.                              |
| 26214476   | The "IPspace" parameter should not be specified in the SVM context. |
| 26214477   | The specified IPspace does not exist.                               |

| Error Code | Description                                                                           |
|------------|---------------------------------------------------------------------------------------|
| 23724130   | Cannot use an IPv6 name server address because there are no IPv6 interfaces.          |
| 26214481   | Username and password cannot be empty when HTTP proxy authentication is enabled.      |
| 26214482   | Username and password cannot be specified when HTTP proxy authentication is disabled. |
| 26214480   | One of "svm.name", "svm.uuid", "ipspace.name" or "ipspace.uuid" must be specified.    |
| 2621462    | SVM "vs0" does not exist.                                                             |
| 262186     | Field "svm.name" cannot be used with field "ipspace.name".                            |

## Definitions

## See Definitions

href

| Name | Type   | Description |
|------|--------|-------------|
| href | string |             |

\_links

ipspace

Applies to both SVM and cluster-scoped objects. Either the UUID or name is supplied on input. This is mutually exclusive with SVM during POST and PATCH.

| Name | Type   | Description  |
|------|--------|--------------|
| name | string | IPspace name |
| uuid | string | IPspace UUID |

svm

This is mutually exclusive with IPspace during POST and PATCH.

| Name | Type   | Description                                                                         |
|------|--------|-------------------------------------------------------------------------------------|
| 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. |

network\_http\_proxy

| Name                   | Type                    | Description                                                                                                                                              |
|------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| authentication_enabled | boolean                 | Specifies whether or not authentication with the HTTP proxy server is enabled.                                                                           |
| ipspace                | <a href="#">ipspace</a> | Applies to both SVM and cluster-scoped objects. Either the UUID or name is supplied on input. This is mutually exclusive with SVM during POST and PATCH. |

| Name     | Type                | Description                                                                                       |
|----------|---------------------|---------------------------------------------------------------------------------------------------|
| password | string              | Password to authenticate with the HTTP proxy server when authentication_enabled is set to "true". |
| port     | integer             | The port number on which the HTTP proxy service is configured on the proxy server.                |
| scope    | string              | Set to "svm" for HTTP proxy owned by an SVM. Otherwise, set to "cluster".                         |
| server   | string              | Fully qualified domain name (FQDN) or IP address of the HTTP proxy server.                        |
| svm      | <a href="#">svm</a> | This is mutually exclusive with IPspace during POST and PATCH.                                    |
| username | string              | Username to authenticate with the HTTP proxy server when authentication_enabled is set to "true". |
| uuid     | string              | The UUID that uniquely identifies the HTTP proxy.                                                 |

#### error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

#### returned\_error

| Name      | Type                                     | Description       |
|-----------|------------------------------------------|-------------------|
| arguments | array[ <a href="#">error_arguments</a> ] | Message arguments |
| code      | string                                   | Error code        |
| message   | string                                   | Error message     |

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

## Delete HTTP proxy configuration for an SVM or cluster IPspace

DELETE /network/http-proxy/{uuid}

Introduced In: 9.7

Deletes the HTTP proxy configuration of the specified SVM or Cluster IPspace.

### Related ONTAP commands

- `vserver http-proxy delete`

### Parameters

| Name | Type   | In   | Required | Description     |
|------|--------|------|----------|-----------------|
| uuid | string | path | True     | HTTP proxy UUID |

### Response

Status: 200, Ok

### Error

Status: Default

#### ONTAP Error Response Codes

| Error Code | Description                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------------------|
| 138281013  | The HTTP Proxy cannot be deleted while in use by a cloud agent connection.                                         |
| 2621574    | This operation is not permitted on a SVM that is configured as the destination of a Metrocluster SVM relationship. |

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

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

# Display HTTP proxy server, port, and IPspace information for an SVM or cluster IPspace

GET /network/http-proxy/{uuid}

Introduced In: 9.7

Displays the HTTP proxy server, port, and IPspace of the specified SVM or Cluster IPspace.

## Related ONTAP commands

- `vserver http-proxy show`

## Parameters

| Name   | Type          | In    | Required | Description                   |
|--------|---------------|-------|----------|-------------------------------|
| uuid   | string        | path  | True     | HTTP proxy UUID               |
| fields | array[string] | query | False    | Specify the fields to return. |

## Response

Status: 200, Ok

| Name                   | Type                    | Description                                                                                                                                              |
|------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| _links                 | <a href="#">_links</a>  |                                                                                                                                                          |
| authentication_enabled | boolean                 | Specifies whether or not authentication with the HTTP proxy server is enabled.                                                                           |
| ipspace                | <a href="#">ipspace</a> | Applies to both SVM and cluster-scoped objects. Either the UUID or name is supplied on input. This is mutually exclusive with SVM during POST and PATCH. |
| port                   | integer                 | The port number on which the HTTP proxy service is configured on the proxy server.                                                                       |
| scope                  | string                  | Set to "svm" for HTTP proxy owned by an SVM. Otherwise, set to "cluster".                                                                                |

| Name   | Type   | Description                                                                |
|--------|--------|----------------------------------------------------------------------------|
| server | string | Fully qualified domain name (FQDN) or IP address of the HTTP proxy server. |
| svm    | svm    | This is mutually exclusive with IPspace during POST and PATCH.             |
| uuid   | string | The UUID that uniquely identifies the HTTP proxy.                          |

### Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "ipspace": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "Default",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "port": 3128,
  "scope": "string",
  "server": "string",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "string"
}
```

## Error

Status: Default, Error

| Name  | Type                           | Description |
|-------|--------------------------------|-------------|
| error | <a href="#">returned_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> |             |

ipspace

Applies to both SVM and cluster-scoped objects. Either the UUID or name is supplied on input. This is mutually exclusive with SVM during POST and PATCH.

| Name   | Type                   | Description  |
|--------|------------------------|--------------|
| _links | <a href="#">_links</a> |              |
| name   | string                 | IPspace name |
| uuid   | string                 | IPspace UUID |

svm

This is mutually exclusive with IPspace during POST and PATCH.

| Name   | Type                   | Description                                                                         |
|--------|------------------------|-------------------------------------------------------------------------------------|
| _links | <a href="#">_links</a> |                                                                                     |
| 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. |

## Update proxy server, port, username, and password parameters

PATCH /network/http-proxy/{uuid}

**Introduced In:** 9.7

Updates the proxy server, port, username, and password parameters. Important notes:

- IPv6 must be enabled if IPv6 family addresses are specified in the "server" field.
- The server and the port combination specified using the "server" and "port" fields is validated during this operation. The validation will fail in the following scenarios:
  - The HTTP proxy service is not configured on the server.
  - The HTTP proxy service is not running on the specified port.
  - The server is unreachable.

### Related ONTAP commands

- `vserver http-proxy modify`

### Parameters

| Name | Type   | In   | Required | Description     |
|------|--------|------|----------|-----------------|
| uuid | string | path | True     | HTTP proxy UUID |

### Request Body

| Name                   | Type    | Description                                                                    |
|------------------------|---------|--------------------------------------------------------------------------------|
| authentication_enabled | boolean | Specifies whether or not authentication with the HTTP proxy server is enabled. |

| Name     | Type    | Description                                                                                       |
|----------|---------|---------------------------------------------------------------------------------------------------|
| password | string  | Password to authenticate with the HTTP proxy server when authentication_enabled is set to "true". |
| port     | integer | The port number on which the HTTP proxy service is configured on the proxy server.                |
| scope    | string  | Set to "svm" for HTTP proxy owned by an SVM. Otherwise, set to "cluster".                         |
| server   | string  | Fully qualified domain name (FQDN) or IP address of the HTTP proxy server.                        |
| username | string  | Username to authenticate with the HTTP proxy server when authentication_enabled is set to "true". |
| uuid     | string  | The UUID that uniquely identifies the HTTP proxy.                                                 |

#### Example request

```
{
  "password": "string",
  "port": 3128,
  "scope": "string",
  "server": "string",
  "username": "string",
  "uuid": "string"
}
```

#### Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

| Error Code | Description                                                                           |
|------------|---------------------------------------------------------------------------------------|
| 26214473   | The HTTP proxy configuration is not valid.                                            |
| 23724130   | Cannot use an IPv6 name server address because there are no IPv6 interfaces.          |
| 26214481   | Username and password cannot be empty when HTTP proxy authentication is enabled.      |
| 26214482   | Username and password cannot be specified when HTTP proxy authentication is disabled. |

## Definitions

## See Definitions

href

| Name | Type   | Description |
|------|--------|-------------|
| href | string |             |

\_links

ipspace

Applies to both SVM and cluster-scoped objects. Either the UUID or name is supplied on input. This is mutually exclusive with SVM during POST and PATCH.

| Name | Type   | Description  |
|------|--------|--------------|
| name | string | IPspace name |
| uuid | string | IPspace UUID |

svm

This is mutually exclusive with IPspace during POST and PATCH.

| Name | Type   | Description                                                                         |
|------|--------|-------------------------------------------------------------------------------------|
| 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. |

network\_http\_proxy

| Name                   | Type    | Description                                                                                       |
|------------------------|---------|---------------------------------------------------------------------------------------------------|
| authentication_enabled | boolean | Specifies whether or not authentication with the HTTP proxy server is enabled.                    |
| password               | string  | Password to authenticate with the HTTP proxy server when authentication_enabled is set to "true". |

| Name     | Type    | Description                                                                                       |
|----------|---------|---------------------------------------------------------------------------------------------------|
| port     | integer | The port number on which the HTTP proxy service is configured on the proxy server.                |
| scope    | string  | Set to "svm" for HTTP proxy owned by an SVM. Otherwise, set to "cluster".                         |
| server   | string  | Fully qualified domain name (FQDN) or IP address of the HTTP proxy server.                        |
| username | string  | Username to authenticate with the HTTP proxy server when authentication_enabled is set to "true". |
| uuid     | string  | The UUID that uniquely identifies the HTTP proxy.                                                 |

#### error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

#### returned\_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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