Manage network IP service policies

REST API reference

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Table of Contents

Manage network IP service policies . . . 1
- Manage network IP service policies . . . 1
  - Overview . . . 1
  - Examples . . . 1
  - Creating service policies . . . 6
  - Examples . . . 6
- Retrieve service policies . . . 14
  - Related ONTAP commands . . . 14
  - Parameters . . . 14
  - Response . . . 16
  - Error . . . 19
  - Definitions . . . 19
- Create a service policy for network interfaces . . . 21
  - Related ONTAP commands . . . 22
  - Required properties . . . 22
  - Default property values . . . 22
  - Parameters . . . 22
  - Request Body . . . 22
  - Response . . . 23
  - Response . . . 23
  - Error . . . 23
  - Definitions . . . 25
- Delete a service policy for network interfaces . . . 27
  - Related ONTAP commands . . . 27
  - Parameters . . . 27
  - Response . . . 27
  - Error . . . 28
  - Definitions . . . 28
- Retrieve a service policy . . . 29
  - Related ONTAP commands . . . 29
  - Parameters . . . 29
  - Response . . . 30
  - Error . . . 31
  - Definitions . . . 32
- Update a service policy for network interfaces . . . 34
  - Related ONTAP commands . . . 34
  - Parameters . . . 34
  - Request Body . . . 34
  - Response . . . 35
  - Error . . . 35
  - Definitions . . . 36

Manage network IP service policies

Manage network IP service policies

Overview

Service policies are named groupings that define what services are supported by an IP interface. The following operations are supported:

- Creation: POST network/ip/service-policies
- Collection Get: GET network/ip/service-policies
- Instance Get: GET network/ip/service-policies/{uuid}
- Instance Patch: PATCH network/ip/service-policies/{uuid}
- Instance Delete: DELETE network/ip/service-polices/{uuid}

Examples

Retrieving all service policies in the cluster

The following output shows the collection of all service policies configured in a 2-node cluster. By default (without 'field=*' parameter), only the UUID and name fields are shown for each entry.

```
# The API:
/api/network/ethernet/ip/service-policies

# The call:
curl -X GET "https://<mgmt-ip>/api/network/ip/service-policies" -H
"accept: application/hal+json"

# The response:
{
"records": [
  {
    "uuid": "e4e2f193-c1a3-11e8-bb9d-005056bb88c8",
    "name": "net-intercluster",
    "_links": {
      "self": {
        "href": "/api/network/ip/service-policies/e4e2f193-c1a3-11e8-bb9d-
005056bb88c8"
      }
    }
  },
  {
    "uuid": "e4e3f6da-c1a3-11e8-bb9d-005056bb88c8",
```

```
    "name": "net-route-announce",
    "_links": {
      "self": {
        "href": "/api/network/ip/service-policies/e4e3f6da-c1a3-11e8-bb9d-
005056bb88c8"
      }
    }
  },
  {
    "uuid": "e5111111-c1a3-11e8-bb9d-005056bb88c8",
    "name": "vserver-route-announce",
    "_links": {
      "self": {
        "href": "/api/network/ip/service-policies/e5111111-c1a3-11e8-bb9d-
005056bb88c8"
      }
    }
  },
  {
    "uuid": "e6111111-c1a3-11e8-bb9d-005056bb88c8",
    "name": "data-route-announce",
    "_links": {
      "self": {
        "href": "/api/network/ip/service-policies/e6111111-c1a3-11e8-bb9d-
005056bb88c8"
      }
    }
  }
],
"num_records": 4,
"_links": {
  "self": {
    "href": "/api/network/ip/service-
policies/?return_records=true&return_timeout=15"
  }
}
}
```

Retrieving a specific service policy (scope=svm)

The following output displays the response when a specific "svm" scoped service policy is requested. Among other parameters, the response contains the svm parameters associated with the service policy. The system returns an error when there is no service policy with the requested UUID.

```
# The API:
/api/network/ip/service-policies/{uuid}

# The call:
curl -X GET "http://<mgmt-ip>/api/network/ip/service-policies/dad323ff-
4ce0-11e9-9372-005056bb91a8?fields=*" -H "accept: application/hal+json"

# The response:
{
"uuid": "dad323ff-4ce0-11e9-9372-005056bb91a8",
"name": "default-data-files",
"scope": "svm",
"svm": {
  "uuid": "d9060680-4ce0-11e9-9372-005056bb91a8",
  "name": "vs0",
  "_links": {
    "self": {
      "href": "/api/svm/svms/d9060680-4ce0-11e9-9372-005056bb91a8"
    }
  }
},
"ipspace": {
  "uuid": "45ec2dee-4ce0-11e9-9372-005056bb91a8",
  "name": "Default",
  "_links": {
    "self": {
      "href": "/api/network/ipspaces/45ec2dee-4ce0-11e9-9372-005056bb91a8"
    }
  }
},
"is_built_in": true,
"services": [
  "data_core",
  "data_nfs",
  "data_cifs",
  "data_flexcache"
],
"_links": {
  "self": {
    "href": "/api/network/ip/service-policies/dad323ff-4ce0-11e9-9372-
005056bb91a8"
  }
}
}
```

Retrieving a specific service policy (scope=svm) when requesting commonly used fields

The following output displays the response when commonly used fields are requested for a specific "svm" scoped service policy. Among other parameters, the response contains the svm parameters associated with the service policy. The system returns an error when there is no service policy with the requested UUID.

```
# The API:
/api/network/ip/service-policies/{uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/network/ip/service-policies/e0889ce6-
1e6a-11e9-89d6-005056bbdc04?fields=name,scope,svm.name,ipspace.name" -H
"accept: application/hal+json"

# The response:
{
"uuid": "e0889ce6-1e6a-11e9-89d6-005056bbdc04",
"name": "test_policy",
"scope": "svm",
"svm": {
  "name": "vs0"
},
"ipspace": {
  "name": "Default"
},
"_links": {
  "self": {
    "href": "/api/network/ip/service-policies/e0889ce6-1e6a-11e9-89d6-
005056bbdc04"
  }
}
}
```

Retrieving a specific service policy (scope=cluster)

The following output displays the response when a specific cluster-scoped service policy is requested. The SVM object is not included for cluster-scoped service policies. A service policy with a scope of "cluster" is associated with an IPspace. The system returns an error when there is no service policy with the requested UUID.

```
# The API:
/api/network/ip/service-policies/{uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/network/ip/service-policies/4c6b72b9-
0f6c-11e9-875d-005056bb21b8?fields=*" -H "accept: application/hal+json"

# The response:
{
"uuid": "4c6b72b9-0f6c-11e9-875d-005056bb21b8",
"name": "net-intercluster",
"scope": "cluster",
"ipspace": {
  "uuid": "4051f13e-0f6c-11e9-875d-005056bb21b8",
  "name": "Default",
  "_links": {
    "self": {
      "href": "/api/network/ipspaces/4051f13e-0f6c-11e9-875d-005056bb21b8"
    }
  }
},
"is_built_in": false,
"services": [
  "intercluster_core"
],
"_links": {
  "self": {
    "href": "/api/network/ip/service-policies/4c6b72b9-0f6c-11e9-875d-
005056bb21b8"
  }
}
}
```

Retrieving a specific service policy (scope=cluster) when requesting commonly used fields

The following output displays the response when commonly used fields are requested for a specific "cluster" scoped service policy. The SVM object is not included for cluster-scoped service policies. A service policy with a scope of "cluster" is associated with an IPspace. The system returns an error when there is no service policy with the requested UUID.

```
# The API:
/api/network/ip/service-policies/{uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/network/ip/service-policies/4c6b72b9-
0f6c-11e9-875d-005056bb21b8?fields=name,scope,ipspace.name" -H "accept:
application/hal+json"

# The response:
{
"uuid": "4c6b72b9-0f6c-11e9-875d-005056bb21b8",
"name": "net-intercluster",
"scope": "cluster",
"ipspace": {
  "name": "Default"
},
"services": [
  "intercluster_core"
],
"_links": {
  "self": {
    "href": "/api/network/ip/service-policies/4c6b72b9-0f6c-11e9-875d-
005056bb21b8"
  }
}
}
```

Creating service policies

You can use this API to create an SVM-scoped service policy by specifying the associated SVM, or a cluster-scoped service policy by specifying the associated IPspace. If the scope is not specified, it is inferred from the presence of the IPspace or SVM. Cluster scoped service policies will operate on the IPspace "Default" unless IPspace is explicitly specified.

Examples

Creating a cluster-scoped service policy

The following output displays the response when creating a service policy with a scope of "cluster" and an IPspace of "Default".

```
# The API:
/api/network/ip/service-policies

# The call:
curl -X POST "https://<mgmt-ip>/api/network/ip/service-
policies?return_records=true" -H "accept: application/json" -d '{ "name":
"new-policy", "scope": "cluster", "ipspace": { "name":"Default" },
"services": [ "intercluster_core" ] }'

# The response:
{
"num_records": 1,
"records": [
  {
    "uuid": "74139267-f1aa-11e9-b5d7-005056a73e2e",
    "name": "new-policy",
    "scope": "cluster",
    "ipspace": {
      "uuid": "ba556295-e912-11e9-a1c8-005056a7080e",
      "name": "Default",
      "_links": {
        "self": {
          "href": "/api/network/ipspaces/ba556295-e912-11e9-a1c8-
005056a7080e"
        }
      }
    },
    "is_built_in": false,
    "_links": {
      "self": {
        "href": "/api/network/ip/service-policies/74139267-f1aa-11e9-b5d7-
005056a73e2e"
      }
    },
    "services": [
      "intercluster_core"
    ]
  }
]
}
```

Creating a cluster-scoped service policy without specifying IPspace

The following output displays the response when creating a service policy with a scope of "cluster" without specifying an IPspace".

```
# The API:
/api/network/ip/service-policies

# The call:
curl -X POST "https://<mgmt-ip>/api/network/ip/service-
policies?return_records=true" -H "accept: application/json" -d '{ "name":
"new-policy", "scope": "cluster", "services": [ "intercluster_core" ] }'

# The response:
{
"num_records": 1,
"records": [
  {
    "uuid": "74139267-f1aa-11e9-b5d7-005056a73e2e",
    "name": "new-policy",
    "scope": "cluster",
    "ipspace": {
      "uuid": "ba556295-e912-11e9-a1c8-005056a7080e",
      "name": "Default",
      "_links": {
        "self": {
          "href": "/api/network/ipspaces/ba556295-e912-11e9-a1c8-
005056a7080e"
        }
      }
    },
    "is_built_in": false,
    "_links": {
      "self": {
        "href": "/api/network/ip/service-policies/74139267-f1aa-11e9-b5d7-
005056a73e2e"
      }
    },
    "services": [
      "intercluster_core"
    ]
  }
]
}
```

Creating a cluster-scoped service policy without specifying scope

The following output displays the response when creating a service policy in the "Default" IPspace without specifying the scope".

```
# The API:
/api/network/ip/service-policies

# The call:
curl -X POST "https://<mgmt-ip>/api/network/ip/service-
policies?return_records=true" -H "accept: application/json" -d '{ "name":
"new-policy2", "ipspace.name": "Default", "services": [
"intercluster_core" ] }'

# The response:
{
"num_records": 1,
"records": [
  {
    "uuid": "59439267-f1aa-11e9-b5d7-005056a73e2e",
    "name": "new-policy2",
    "scope": "cluster",
    "ipspace": {
      "uuid": "ba556295-e912-11e9-a1c8-005056a7080e",
      "name": "Default",
      "_links": {
        "self": {
          "href": "/api/network/ipspaces/ba556295-e912-11e9-a1c8-
005056a7080e"
        }
      }
    },
    "is_built_in": false,
    "services": [
      "intercluster_core"
    ],
    "_links": {
      "self": {
        "href": "/api/network/ip/service-policies/74139267-f1aa-11e9-b5d7-
005056a73e2e"
      }
    }
  }
]
}
```

Creating an SVM-scoped service policy

The following output displays the response when creating a service policy with a scope of "svm" in the SVM "vs0".

```
# The API:
/api/network/ip/service-policies

# The call:
curl -X POST "https://<mgmt-ip>/api/network/ip/service-
policies?return_records=true" -H "accept: application/json" -d '{ "name":
"new-policy", "scope": "svm", "svm": { "name":"vs0" }, "services": [
"data-nfs", "data-cifs" ] }'

# The response:
{
"num_records": 1,
"records": [
  {
    "uuid": "f3901097-f2c4-11e9-b5d7-005056a73e2e",
    "name": "new-policy",
    "scope": "svm",
    "svm": {
      "uuid": "07df9cee-e912-11e9-a13a-005056a73e2e",
      "name": "vs0",
      "_links": {
        "self": {
          "href": "/api/svm/svms/07df9cee-e912-11e9-a13a-005056a73e2e"
        }
      }
    },
    "ipspace": {
      "uuid": "1d3199d2-e906-11e9-a13a-005056a73e2e",
      "name": "Default",
      "_links": {
        "self": {
          "href": "/api/network/ipspaces/1d3199d2-e906-11e9-a13a-
005056a73e2e"
        }
      }
    },
    "is_built_in": false,
    "services": [
      "data_nfs",
      "data_cifs"
```

```
    ],
    "_links": {
      "self": {
        "href": "/api/network/ip/service-policies/f3901097-f2c4-11e9-b5d7-
005056a73e2e"
      }
    }
  }
]
}
```

Creating an SVM-scoped service policy without specifying scope

The following output displays the response when creating a service policy with a SVM of "vs0" without specifying the scope.

```
# The API:
/api/network/ip/service-policies

# The call:
curl -X POST "https://<mgmt-ip>/api/network/ip/service-
policies?return_records=true" -H "accept: application/json" -d '{ "name":
"new-policy", "svm": { "name":"vs0" }, "services": [ "data-nfs", "data-
cifs" ] }'

# The response:
{
"num_records": 1,
"records": [
  {
    "uuid": "f3901097-f2c4-11e9-b5d7-005056a73e2e",
    "name": "new-policy",
    "scope": "svm",
    "svm": {
      "uuid": "07df9cee-e912-11e9-a13a-005056a73e2e",
      "name": "vs0",
      "_links": {
        "self": {
          "href": "/api/svm/svms/07df9cee-e912-11e9-a13a-005056a73e2e"
        }
      }
    },
    "ipspace": {
```

```
      "uuid": "1d3199d2-e906-11e9-a13a-005056a73e2e",
      "name": "Default",
      "_links": {
        "self": {
          "href": "/api/network/ipspaces/1d3199d2-e906-11e9-a13a-
005056a73e2e"
        }
      }
    },
    "is_built_in": false,
    "services": [
      "data_nfs",
      "data_cifs"
    ],
    "_links": {
      "self": {
        "href": "/api/network/ip/service-policies/f3901097-f2c4-11e9-b5d7-
005056a73e2e"
      }
    }
  }
]
}
```

Updating the name of a service policy

The following example displays the command used to update the name of a service policy scoped to a specific "svm". The system returns an error when there is no service policy associated with the UUID or the service policy cannot be renamed.

```
# The API:
/api/network/ip/service-policies/{uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/network/ip/service-policies/734eaf57-
d2fe-11e9-9284-005056acaad4" -d "{ \"name\": \"new-name\" }" -H "accept:
application/hal+json"
```

Updating the services for a service policy

The following example displays the command used to update the services a service policy contains. The

specified services replace the existing services. To retain existing services, they must be included in the PATCH request. The system returns an error when there is no service policy associated with the UUID or the services cannot be applied.

```
# The API:
/api/network/ip/service-policies/{uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/network/ip/service-policies/734eaf57-
d2fe-11e9-9284-005056acaad4" -d "{ \"services\": [ \"data-nfs\",\"data-
cifs\" ] }" -H "accept: application/hal+json"
```

Deleting a service policy

The following output displays the response for deleting a service policy.

```
# The API:
/api/network/ip/service-policies/{uuid}

# The call:
curl -X  DELETE "https://<mgmt-ip>/api/network/ip/service-
policies/757ed726-bdc1-11e9-8a92-005056a7bf25" -H "accept:
application/hal+json"
```

Retrieve service policies

GET `/network/ip/service-policies`

Introduced In: 9.6

Retrieves a collection of service policies.

Related ONTAP commands

- `network interface service-policy 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
name	string	query	False	Filter by name
services	string	query	False	Filter by services
scope	string	query	False	Filter by scope
is_built_in	boolean	query	False	Filter by is_built_in • Introduced in: 9.11
uuid	string	query	False	Filter by uuid
ipspace.name	string	query	False	Filter by ipspace.name
ipspace.uuid	string	query	False	Filter by ipspace.uuid
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

Name	Type	In	Required	Description
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: 15 • 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[ip_service_policy]	

Example response

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

Error

```
Status: Default, Error
```

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	

ipspace

Name	Type	Description
_links	_links	
name	string	IPspace name
uuid	string	IPspace UUID

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
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.

ip_service_policy

Name	Type	Description
_links	_links	

Name	Type	Description
ipspace	ipspace	
is_built_in	boolean	
name	string	
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
services	array[string]	
svm	svm	SVM, applies only to SVM-scoped objects.
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.

Create a service policy for network interfaces

POST `/network/ip/service-policies`

Introduced In: 9.8

Creates a service policy for network interfaces.

Related ONTAP commands

- `network interface service-policy create`

Required properties

- `name` - Name of the service policy to create.
- `ipspace.name` or `ipspace.uuid`
  - Required for cluster-scoped service policies.
  - Optional for SVM-scoped service policies.
- `svm.name` or `svm.uuid`
  - Required for SVM-scoped service policies.
  - Not valid for cluster-scoped service policies.

Default property values

If not specified in POST, the following default property values are assigned:

- `scope`
  - svm if the svm parameter is specified
  - cluster if the svm parameter is not specified

Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned. • Default value:

Request Body

Name	Type	Description
ipspace	ipspace	
is_built_in	boolean	
name	string	
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
services	array[string]	

Name	Type	Description
svm	svm	SVM, applies only to SVM-scoped objects.
uuid	string	

Example request


```
{
  "ipspace": {
    "name": "Default",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "name": "default-intercluster",
  "scope": "string",
  "services": [
    "data_nfs"
  ],
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
```


Response

```
Status: 200, Ok
```

Response

```
Status: 201, Created
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
1966373	Port must reside in the same IPspace as the interface's SVM.
1967146	Svm.name does not exist.
1967147	Svm.uuid does not exist.
2621740	An unexpected error when trying to determine whether the target Vserver was locked or not on this cluster.
53281895	Custom service policies cannot be created on the specified svm
53281929	Service policies cannot combine block and file services.
53281931	Service policy names cannot start with "default-".
53281932	Service cannot be added because the service does not exist for the specified SVM or IPspace.
53281933	A Cluster-scoped service cannot be added to a SVM-scoped service policy.
53281934	An SVM-scoped service cannot be added to a Cluster-scoped service policy.
53281935	Scope is set to "svm" and svm.uuid or svm.name have not been specified.
53281936	The SVM is not in the specified IPspace.
53281937	Svm.uuid and svm.name are not valid parameters when scope is cluster.
53281938	Svm.uuid or svm.name specify a vserver that does not exist.
53281939	One or more of the svm.uuid, svm.name, ipspace.uuid, and ipspace.name have invalid values.
53281940	SVM or IPspace has not been specified.
53281941	SVM does not exist.
53281942	Service policy cannot be created because the specified SVM does not exist.
53281944	Ipspace.name does not exist.
53281945	Ipspace.uuid is not an IPspace.
53281946	Service policy already exists.
53281958	Service policies cannot contain multiple block-oriented services.

Also see the table of common errors in the Response body overview section of this documentation.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

ipspace

Name	Type	Description
name	string	IPspace name
uuid	string	IPspace UUID

svm

SVM, applies only to SVM-scoped objects.

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.

ip_service_policy

Name	Type	Description
ipspace	ipspace	
is_built_in	boolean	
name	string	
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
services	array[string]	
svm	svm	SVM, applies only to SVM-scoped objects.
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.

Delete a service policy for network interfaces

DELETE `/network/ip/service-policies/{uuid}`

Introduced In: 9.8

Deletes a service policy for network interfaces.

Related ONTAP commands

- `network interface service-policy delete`

Parameters

Name	Type	In	Required	Description
uuid	string	path	True	UUID of the service policy

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
2621740	An unexpected error when trying to determine whether the target Vserver was locked or not on this cluster.
53281927	Service policies owned by the system cannot be deleted.
53281928	Service policies assigned to LIFs cannot be deleted.

Also see the table of common errors in the Response body overview section of this documentation.

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

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 a service policy

GET `/network/ip/service-policies/{uuid}`

Introduced In: 9.6

Retrieves a specific service policy.

Related ONTAP commands

- `network interface service-policy show`

Parameters

Name	Type	In	Required	Description
uuid	string	path	True	Service policy UUID
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.

Name	Type	In	Required	Description
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: 15 • 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	
ipspace	ipspace	
is_built_in	boolean	
name	string	
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
services	array[string]	

Name	Type	Description
svm	svm	SVM, applies only to SVM-scoped objects.
uuid	string	

Example response


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


Error

```
Status: Default, Error
```

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	

ipspace

Name	Type	Description
_links	_links	
name	string	IPspace name
uuid	string	IPspace UUID

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
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 a service policy for network interfaces

PATCH `/network/ip/service-policies/{uuid}`

Introduced In: 9.8

Updates a service policy for network interfaces.

Related ONTAP commands

- `network interface service-policy add-service`
- `network interface service-policy modify-service`
- `network interface service-policy remove-service`
- `network interface service-policy rename`

Parameters

Name	Type	In	Required	Description
uuid	string	path	True	UUID of the service policy

Request Body

Name	Type	Description
is_built_in	boolean	
name	string	
services	array[string]	
uuid	string	

Example request

```
{
  "name": "default-intercluster",
  "services": [
    "data_nfs"
  ],
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
```

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
1376669	Port must reside in the same IPspace as the interface's SVM.
2621740	An unexpected error when trying to determine whether the target Vserver was locked or not on this cluster.
53281911	Modifying the service policy is disallowed because policies on this SVM are managed by the system
53281929	Service policies cannot combine block and file services.
53281930	Service policies maintained by the system cannot be renamed.
53281931	Service policy names cannot start with "default-".
53281932	Service cannot be added because the service does not exist for the specified SVM or IPspace.
53281933	A Cluster-scoped service cannot be added to a SVM-scoped service policy.
53281934	An SVM-scoped service cannot be added to a Cluster-scoped service policy.

Error Code	Description
53281952	The service policy on an SVM cannot be updated to include a block service. Use built-in service policies for SAN services.
53281953	The service policy on an SVM cannot be updated to include a new service.
53281960	Service cannot be removed from the service policy because it is used by one or more interfaces.
53281961	Service cannot be removed from the service policy because it is used by one or more interfaces.
53281963	Service cannot be removed from the service policy because it is used by one or more interfaces.

Also see the table of common errors in the Response body overview section of this documentation.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

ipspace

Name	Type	Description
name	string	IPspace name
uuid	string	IPspace UUID

svm

SVM, applies only to SVM-scoped objects.

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.

ip_service_policy

Name	Type	Description
is_built_in	boolean	
name	string	
services	array[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.

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