



# **Manage SVM peer permissions**

ONTAP 9.14.1 REST API reference

NetApp  
May 23, 2024

# Table of Contents

- Manage SVM peer permissions . . . . . 1
  - SVM peer-permissions endpoint overview . . . . . 1
  - Retrieve SVM peer permissions . . . . . 1
  - Create an SVM peer permission . . . . . 7
  - Delete SVM peer permissions . . . . . 14
  - Retrieve an SVM peer permission instance . . . . . 16
  - Update SVM peer permissions . . . . . 22

# Manage SVM peer permissions

## SVM peer-permissions endpoint overview

### Managing SVM peer permissions

A cluster administrator can provide permissions for use during intercluster SVM peer relationship creation. Once this permission exists for a local SVM and peer cluster combination on a local cluster, no explicit SVM peer accept (or REST PATCH) API is required for any incoming SVM peer relationship creation requests from a remote cluster for that local SVM. Peer relationship directly changes the state to peered on both clusters. Use an SVM name as "" to create permissions that apply to all local SVMs.

### SVM peer permission APIs

The following APIs are used to manage SVM peer permissions:

- GET /api/svm/peer-permissions
- POST /api/svm/peer-permissions
- GET /api/svm/peer-permissions/{cluster\_peer.uuid}/{svm.uuid}
- PATCH /api/svm/peer-permissions/{cluster\_peer.uuid}/{svm.uuid}
- DELETE /api/svm/peer-permissions/{cluster\_peer.uuid}/{svm.uuid}

## Retrieve SVM peer permissions

GET /svm/peer-permissions

**Introduced In:** 9.6

Retrieves the list of SVM peer permissions.

### Related ONTAP commands

- `vserver peer permission show`

### Examples

The following examples show how to retrieve a collection of SVM peer permissions based on a query.

1. Retrieves a list of SVM peer permissions of a specific local SVM

```
GET "/api/svm/peer-permissions/?svm.name=VS1"
```

1. Retrieves a list of SVM peer permissions of a specific cluster peer

```
GET "/api/svm/peer-permissions/?cluster_peer.name=cluster2"
```

## Learn more

- [DOC /svm/peer-permissions](#)

## Parameters

Name	Type	In	Required	Description
applications	string	query	False	Filter by applications
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
cluster_peer.uuid	string	query	False	Filter by cluster_peer.uuid
cluster_peer.name	string	query	False	Filter by cluster_peer.name
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
return_records	boolean	query	False	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>

Name	Type	In	Required	Description
return_timeout	integer	query	False	<p>The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>
order_by	array[string]	query	False	Order results by specified fields and optional [asc

## Response

Status: 200, Ok

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

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "applications": [
      "snapmirror",
      "flexcache"
    ],
    "cluster_peer": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "cluster2",
      "uuid": "ebe27c49-1adf-4496-8335-ab862aebebf2"
    },
    "svm": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "svm1",
      "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
    }
  }
}
```

## Error

Status: Default

### ONTAP Error Response Codes

Error codes	Description
26345574	Failed to find the SVM or volume name with UUID.

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>	

cluster\_peer

Peer cluster details

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

svm

Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "\*\*".

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.

svm\_peer\_permission

Manage SVM peer permissions.



Name	Type	Description
<code>_links</code>	<a href="#">_links</a>	
<code>applications</code>	<code>array[string]</code>	A list of applications for an SVM peer relationship.
<code>cluster_peer</code>	<a href="#">cluster_peer</a>	Peer cluster details
<code>svm</code>	<a href="#">svm</a>	Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "".

#### error\_arguments

Name	Type	Description
<code>code</code>	<code>string</code>	Argument code
<code>message</code>	<code>string</code>	Message argument

#### returned\_error

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

## Create an SVM peer permission

POST `/svm/peer-permissions`

**Introduced In:** 9.6

Creates an SVM peer permission.

### Required properties

- `svm.name` or `svm.uuid` - SVM name
- `cluster_peer.uuid` or `cluster_peer.name` - Peer cluster name or peer cluster UUID

- applications - Peering applications

## Related ONTAP commands

- vserver peer permission create

## Examples

The following examples show how to create SVM peer permissions.

1. Creates an SVM peer permission entry with the local SVM and cluster peer names

```
POST "/api/svm/peer-permissions" '{"cluster_peer":{"name":"cluster2"},
"svm":{"name":"VS1"}, "applications":["snapmirror"]}'
```

1. Creates an SVM peer permission entry with the local SVM and cluster peer UUID

```
POST "/api/svm/peer-permissions" '{"cluster_peer":{"uuid":"d3268a74-ee76-
11e8-a9bb-005056ac6dc9"}, "svm":{"uuid":"8f467b93-f2f1-11e8-9027-
005056ac81fc"}, "applications":["snapmirror"]}'
```

1. Creates an SVM peer permission entry with all SVMs and the cluster peer name

```
POST "/api/svm/peer-permissions" '{"cluster_peer":{"name":"cluster2"},
"svm":{"name":"*"}, "applications":["snapmirror"]}'
```

## Learn more

- [DOC /svm/peer-permissions](#)

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

Name	Type	Description
applications	array[string]	A list of applications for an SVM peer relationship.
cluster_peer	<a href="#">cluster_peer</a>	Peer cluster details
svm	<a href="#">svm</a>	Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "*".

### Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "applications": [
    "snapmirror",
    "flexcache"
  ],
  "cluster_peer": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster2",
    "uuid": "ebe27c49-1adf-4496-8335-ab862aebef2"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

## Response

Status: 201, Created

Name	Type	Description
_links	<a href="#">_links</a>	
applications	array[string]	A list of applications for an SVM peer relationship.
cluster_peer	<a href="#">cluster_peer</a>	Peer cluster details
svm	<a href="#">svm</a>	Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "*".

## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "applications": [
    "snapmirror",
    "flexcache"
  ],
  "cluster_peer": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster2",
    "uuid": "ebe27c49-1adf-4496-8335-ab862aebbf2"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

## Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

## Error

Status: Default

## ONTAP Error Response Codes

Error codes	Description
26345572	{field} is a required field.
26345573	Failed to find the SVM or volume UUID with name.
26345574	Failed to find the SVM or volume name with UUID.
26345575	The specified peer cluster name and peer cluster UUID do not match.
9896057	SVM peer permission already exists.

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>	

cluster\_peer

Peer cluster details

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

svm

Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "\*" .

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.

svm\_peer\_permission

Manage SVM peer permissions.

Name	Type	Description
_links	<a href="#">_links</a>	
applications	array[string]	A list of applications for an SVM peer relationship.

Name	Type	Description
cluster_peer	<a href="#">cluster_peer</a>	Peer cluster details
svm	<a href="#">svm</a>	Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "*".

#### 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.

## Delete SVM peer permissions

DELETE /svm/peer-permissions/{cluster\_peer.uuid}/{svm.uuid}

**Introduced In:** 9.6

Deletes the SVM peer permissions.

### Related ONTAP commands

- `verver peer permission delete`

### Example

Deletes an SVM peer permission.



```
DELETE "/api/svm/peer-permissions/d3268a74-ee76-11e8-a9bb-005056ac6dc9/8f467b93-f2f1-11e8-9027-005056ac81fc"
```

## Learn more

- [DOC /svm/peer-permissions](#)

## Parameters

Name	Type	In	Required	Description
cluster_peer.uuid	string	path	True	Peer cluster UUID <ul style="list-style-type: none"><li>• Introduced in: 9.7</li></ul>
svm.uuid	string	path	True	SVM UUID

## Response

```
Status: 200, Ok
```

## Error

```
Status: Default
```

### ONTAP Error Response Codes

Error codes	Description
26345574	Failed to find the SVM or volume name with UUID.

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.

## Retrieve an SVM peer permission instance

GET /svm/peer-permissions/{cluster\_peer.uuid}/{svm.uuid}

Introduced In: 9.6

Retrieves the SVM peer permission instance.

## Related ONTAP commands

- `vserver peer permission show`

## Example

The following example shows how to retrieve the parameters for an SVM peer permission.

```
GET "/api/svm/peer-permissions/d3268a74-ee76-11e8-a9bb-005056ac6dc9/8f467b93-f2f1-11e8-9027-005056ac81fc"
```

## Learn more

- [DOC /svm/peer-permissions](#)

## Parameters

Name	Type	In	Required	Description
cluster_peer.uuid	string	path	True	Peer cluster UUID <ul style="list-style-type: none"><li>• Introduced in: 9.7</li></ul>
svm.uuid	string	path	True	SVM UUID
fields	array[string]	query	False	Specify the fields to return.
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>• Default value: 1</li><li>• Max value: 120</li><li>• Min value: 0</li></ul>

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
applications	array[string]	A list of applications for an SVM peer relationship.
cluster_peer	<a href="#">cluster_peer</a>	Peer cluster details
svm	<a href="#">svm</a>	Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "*".

## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "applications": [
    "snapmirror",
    "flexcache"
  ],
  "cluster_peer": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster2",
    "uuid": "ebe27c49-1adf-4496-8335-ab862aebbf2"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

## Error

Status: Default

### ONTAP Error Response Codes

Error codes	Description
26345574	Failed to find the SVM or volume name with UUID.

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>	

cluster\_peer

Peer cluster details

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

svm

Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "\*".

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

## Update SVM peer permissions

PATCH /svm/peer-permissions/{cluster\_peer.uuid}/{svm.uuid}

**Introduced In:** 9.6

Updates the SVM peer permissions.

### Related ONTAP commands

- `vserver peer permission modify`

### Example

Updates an SVM peer permission.

```
PATCH "/api/svm/peer-permissions/d3268a74-ee76-11e8-a9bb-005056ac6dc9/8f467b93-f2f1-11e8-9027-005056ac81fc"
'{"applications":["flexcache"]}'
```

### Learn more

- [DOC /svm/peer-permissions](#)

### Parameters

Name	Type	In	Required	Description
cluster_peer.uuid	string	path	True	Peer cluster UUID  • Introduced in: 9.7
svm.uuid	string	path	True	SVM UUID



## Request Body

Name	Type	Description
_links	<a href="#">_links</a>	
applications	array[string]	A list of applications for an SVM peer relationship.
cluster_peer	<a href="#">cluster_peer</a>	Peer cluster details
svm	<a href="#">svm</a>	Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "*".

## Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "applications": [
    "snapmirror",
    "flexcache"
  ],
  "cluster_peer": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster2",
    "uuid": "ebe27c49-1adf-4496-8335-ab862aebef2"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

## Response

Status: 200, Ok

Name	Type	Description
<code>_links</code>	<code>_links</code>	
applications	array[string]	A list of applications for an SVM peer relationship.

Name	Type	Description
cluster_peer	<a href="#">cluster_peer</a>	Peer cluster details
svm	<a href="#">svm</a>	Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "*".

### Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "applications": [
    "snapmirror",
    "flexcache"
  ],
  "cluster_peer": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cluster2",
    "uuid": "ebe27c49-1adf-4496-8335-ab862aebef2"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

### Error

Status: Default

## ONTAP Error Response Codes

Error codes	Description
26345572	{field} is a required field.
26345574	Failed to find the SVM or volume name with UUID.
9896059	SVM peer permission does not exist.

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>	

cluster\_peer

Peer cluster details

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

svm

Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "\*".

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.

svm\_peer\_permission

Manage SVM peer permissions.

Name	Type	Description
_links	<a href="#">_links</a>	
applications	array[string]	A list of applications for an SVM peer relationship.

Name	Type	Description
cluster_peer	<a href="#">cluster_peer</a>	Peer cluster details
svm	<a href="#">svm</a>	Local SVM permitted for peer relationship. To create peer permissions for all SVMs, specify the SVM name as "*".

#### 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.

## 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.