



# Administrator API methods

## Element Software

NetApp  
October 01, 2024

# Table of Contents

- Administrator API methods ..... 1
  - Find more information ..... 1
  - AddClusterAdmin ..... 1
  - GetCurrentClusterAdmin ..... 3
  - GetLoginBanner ..... 4
  - ListClusterAdmins ..... 6
  - ModifyClusterAdmin ..... 9
  - RemoveClusterAdmin ..... 10
  - SetLoginBanner ..... 11

# Administrator API methods

You can use administrator API methods to create, modify, view, and remove storage cluster administrators and assign levels of access and privileges for those with access to a storage cluster.

- [AddClusterAdmin](#)
- [GetCurrentClusterAdmin](#)
- [GetLoginBanner](#)
- [ListClusterAdmins](#)
- [ModifyClusterAdmin](#)
- [RemoveClusterAdmin](#)
- [SetLoginBanner](#)

## Find more information

- [SolidFire and Element Software Documentation](#)
- [Documentation for earlier versions of NetApp SolidFire and Element products](#)

## AddClusterAdmin

You can use the `AddClusterAdmin` method to add a new cluster admin account. A cluster admin can manage the cluster via the API and management tools. Cluster admins are completely separate and unrelated to standard tenant accounts.

Each cluster admin can be restricted to a subset of the API. You should use multiple cluster admin accounts for different users and applications. As a best practice, give each cluster admin the minimal permissions necessary; this reduces the potential impact of credential compromise.

### Parameters

This method has the following input parameters:

| Name   | Description                                       | Type         | Default value | Required |
|--------|---|--------------|---------------|----------|
| access | Controls which methods the cluster admin can use. | string array | None          | Yes      |

| Name       | Description   | Type        | Default value | Required |
|------------|---|-------------|---------------|----------|
| acceptEula | Accept the End User License Agreement. Set to true to add a cluster administrator account to the system. If omitted or set to false, the method call fails. | boolean     | None          | Yes      |
| attributes | List of name/value pairs in JSON object format.   | JSON object | None          | No       |
| password   | Password used to authenticate this cluster admin.   | string      | None          | Yes      |
| username   | Unique username for this cluster admin. Must be between 1 and 1024 characters in length.  | string      | None          | Yes      |

## Return value

This method has the following return value:

| Name           | Description   | Type    |
|----------------|---|---------|
| clusterAdminID | ClusterAdminID for the newly created cluster admin. | integer |

## Request example

Requests for this method are similar to the following example:

```
{
  "method": "AddClusterAdmin",
  "params": {
    "username": "joeadmin",
    "password": "68!5Aru268)$",
    "attributes": {},
    "acceptEula": true,
    "access": ["volumes", "reporting", "read"]
  },
  "id": 1
}
```

## Response example

This method returns a response similar to the following example:

```
{
  "id":1,
  "result" : {
    "clusterAdminID": 2
  }
}
```

## New since version

9.6

## Find more information

[Access control](#)

# GetCurrentClusterAdmin

You can use the `GetCurrentClusterAdmin` method to return information for the current primary Cluster Admin. The primary Cluster Admin was created when the cluster was created.

## Parameters

This method has no input parameters.

## Return value

This method has the following return value:

| Name         | Description                          | Type                         |
|--------------|--------------------------------------|------------------------------|
| clusterAdmin | Information about the cluster admin. | <a href="#">clusterAdmin</a> |

## Request example

Requests for this method are similar to the following example:

```
{
  "method": "GetCurrentClusterAdmin",
  "id" : 1
}
```

## Response example

This method returns a response similar to the following example:

```
{
  "id": 1,
  "result": {
    "clusterAdmin": {
      "access": [
        "administrator"
      ],
      "attributes": null,
      "authMethod": "Cluster",
      "clusterAdminID": 1,
      "username": "admin"
    }
  }
}
```

## New since version

10.0

## GetLoginBanner

You can use the `GetLoginBanner` method to get the currently active Terms of Use banner that users see when they log in to the Element web interface.

## Parameters

This method has no input parameters.

## Return values

This method has the following return values:

| Name    | Description  | Type    |
|---------|--|---------|
| banner  | The current text of the Terms of Use banner. This value can contain text even when the banner is disabled.   | string  |
| enabled | The status of the Terms of Use banner. Possible values: <ul style="list-style-type: none"><li>• true: The Terms of Use banner is displayed upon web interface login.</li><li>• false: The Terms of Use banner is not displayed upon web interface login.</li></ul> | boolean |

## Request example

Requests for this method are similar to the following example:

```
{
  "id": 3411,
  "method": "GetLoginBanner",
  "params": {}
}
```

## Response example

This method returns a response similar to the following example:

```
{
  "id": 3411,
  "result": {
    "loginBanner": {
      "banner": "Welcome to NetApp!",
      "enabled": false
    }
  }
}
```

## New since version

10.0

## ListClusterAdmins

You can use the `ListClusterAdmins` method to return the list of all cluster administrators for the cluster.

There can be several cluster administrator accounts with different levels of permissions. There can be only one primary cluster administrator in the system. The primary Cluster Admin is the administrator that was created when the cluster was created. LDAP administrators can also be created when setting up an LDAP system on the cluster.

## Parameters

This method has the following input parameter:

| Name       | Description   | Type    | Default value | Required |
|------------|---|---------|---------------|----------|
| showHidden | Shows hidden cluster administrator users, such as SNMP admin. | boolean | None          | No       |

## Return value

This method has the following return value:

| Name          | Description   | Type                               |
|---------------|---|------------------------------------|
| clusterAdmins | Information about all cluster and LDAP administrators that exist for a cluster. | <a href="#">clusterAdmin</a> array |



## Request example

Requests for this method are similar to the following example:

```
{
  "method": "ListClusterAdmins",
  "params": {},
  "showHidden": true
  "id" : 1
}
```

## Response example

This method returns a response similar to the following example:

```

{
  "id":1,
  "result":{
    "clusterAdmins":[
      {
        "access":[
          "administrator"
        ],
        "attributes":null,
        "authMethod":"Cluster",
        "clusterAdminID":1,
        "username":"admin"
      },
      {
        "access":[
          "read",
          "administrator"
        ],
        "attributes":{
        },
        "authMethod":"Ldap",
        "clusterAdminID":7,
        "username":"john.smith"
      },
      {
        "access":[
          "read",
          "administrator"
        ],
        "attributes":{
        },
        "authMethod":"Ldap",
        "clusterAdminID":6,
        "username":"cn=admin1
jones,ou=ptusers,c=prodtest,dc=solidfire,dc=net"
        }
      ]
    }
  }
}

```

## New since version

9.6

# ModifyClusterAdmin

You can use the `ModifyClusterAdmin` method to change the settings for a cluster admin, LDAP cluster admin, or third-party Identity Provider (IdP) cluster admin. You cannot change access for the administrator cluster admin account.

## Parameters

This method has the following input parameters:

| Name           | Description  | Type         | Default value | Required |
|----------------|--|--------------|---------------|----------|
| access         | Controls which methods this cluster admin can use.   | string array | None          | No       |
| attributes     | List of name-value pairs in JSON object format.  | JSON object  | None          | No       |
| clusterAdminID | ClusterAdminID for the cluster admin, LDAP cluster admin, or IdP cluster admin to modify.                        | integer      | None          | Yes      |
| password       | Password used to authenticate this cluster admin. This parameter does not apply to an LDAP or IdP cluster admin. | string       | None          | No       |

## Return values

This method has no return values.

## Request example

Requests for this method are similar to the following example:

```
{
  "method": "ModifyClusterAdmin",
  "params": {
    "clusterAdminID" : 2,
    "password"      : "7925Brc429a"
  },
  "id" : 1
}
```

## Response example

This method returns a response similar to the following example:

```
{
  "id" : 1
  "result" : { }
}
```

## New since version

9.6

## Find more information

[Access control](#)

# RemoveClusterAdmin

You can use the `RemoveClusterAdmin` method to remove a cluster admin, an LDAP cluster admin, or a third-party Identity Provider (IdP) cluster admin. You cannot remove the "admin" Cluster Admin account.

## Parameter

When an IdP cluster admin is removed that has authenticated sessions associated with a third-party Identity Provider IdP, those sessions will either logout or possibly experience a loss of access rights within their current session. The access rights loss will depend on whether the removed IdP cluster admin matched one of multiple IdP cluster admins from a given user's SAML attributes. The remaining set of matching IdP cluster admins results in a reduced set of aggregate access rights. Other cluster admin user types are logged out when their cluster admins are removed.

This method has the following input parameter:

| Name           | Description                                     | Type    | Default value | Required |
|----------------|---|---------|---------------|----------|
| clusterAdminID | ClusterAdminID for the Cluster Admin to remove. | integer | None          | Yes      |

## Return values

This method has no return values.

## Request example

Requests for this method are similar to the following example:

```
{
  "method": "RemoveClusterAdmin",
  "params": {
    "clusterAdminID" : 2
  },
  "id" : 1
}
```

## Response example

This method returns a response similar to the following example:

```
{
  "id" : 1
  "result" : { }
}
```

## New since version

9.6

# SetLoginBanner

You can use the `SetLoginBanner` method to configure the Terms of Use banner that users see when they log in to the Element web interface.

## Parameters

This method has the following input parameters:

| Name    | Description  | Type    | Default value | Required |
|---------|--|---------|---------------|----------|
| banner  | The desired text of the Terms of Use banner. The maximum length allowed is 4,096 characters.   | string  | None          | No       |
| enabled | <p>The status of the Terms of Use banner. Possible values:</p> <ul style="list-style-type: none"> <li>• <code>true</code>: The Terms of Use banner is displayed upon web interface login.</li> <li>• <code>false</code>: The Terms of Use banner is not displayed upon web interface login.</li> </ul> | boolean | None          | No       |

## Return values

This method has the following return values:

| Name    | Description  | Type    |
|---------|--|---------|
| banner  | The current text of the Terms of Use banner. This value can contain text even when the banner is disabled.   | string  |
| enabled | <p>The status of the Terms of Use banner. Possible values:</p> <ul style="list-style-type: none"> <li>• <code>true</code>: The Terms of Use banner is displayed upon web interface login.</li> <li>• <code>false</code>: The Terms of Use banner is not displayed upon web interface login.</li> </ul> | boolean |

## Request example

Requests for this method are similar to the following example:

```
{
  "id": 3920,
  "method": "SetLoginBanner",
  "params": {
    "banner": "Welcome to NetApp!",
    "enabled": true
  }
}
```

## Response example

This method returns a response similar to the following example:

```
{
  "id": 3920,
  "result": {
    "loginBanner": {
      "banner": "Welcome to NetApp!",
      "enabled": true
    }
  }
}
```

## New since version

10.0

## 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.