



# **security protocol commands**

## **ONTAP 9.12.1 commands**

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# security protocol commands

## security protocol modify

Modify application configuration options

**Availability:** This command is available to *cluster* administrators at the *advanced* privilege level.

### Description

The `security protocol modify` command modifies the existing cluster-wide configuration of RSH and Telnet. Enable RSH and Telnet in the cluster by setting the `enabled` field as *true*.

### Parameters

**-application <text> - application (privilege: advanced)**

Selects the application. Supported values are *rsh* and *telnet*.

**[-enabled {true|false}] - enabled (privilege: advanced)**

Enables or disables the corresponding application. The default value is *false*.

### Examples

The following command enables RSH in the cluster. The default setting for RSH is *false*:

```
cluster1::> security protocol modify -application rsh -enabled true
```

The following command enables Telnet in the cluster. The default setting for Telnet is *false*:

```
cluster1::> security protocol modify -application telnet -enabled true
```

## security protocol show

Show application configuration options

**Availability:** This command is available to *cluster* administrators at the *advanced* privilege level.

### Description

The `security protocol show` command displays the cluster-wide configuration of RSH and Telnet in the cluster in advanced privilege mode. RSH and Telnet are disabled by default. Use the [security protocol modify](#) command to change the RSH and Telnet configuration that the cluster supports.

## Parameters

**{ [-fields <fieldname>,...]**

If you specify the `-fields <fieldname>`, ... parameter, the command output also includes the specified field or fields. You can use `-fields ?` to display the fields to specify.

**| [-instance ] }**

If you specify the `-instance` parameter, the command displays detailed information about all fields.

**[-application <text>] - application (privilege: advanced)**

Displays the insecure applications in the cluster.

**[-enabled {true|false}] - enabled (privilege: advanced)**

Displays whether the application is enabled or disabled in the cluster.

## Examples

The following example shows the default security protocol configurations for a cluster:

```
cluster1::> security protocol show
```

Application	Enabled
-----	-----
rsh	false
telnet	false

The following example shows the security protocol configuration after RSH and Telnet have been enabled:

```
cluster1::> security protocol show
```

Application	Enabled
-----	-----
rsh	true
telnet	true

## Related Links

- [security protocol modify](#)

## security protocol ssh modify

Modify the SSH configuration

**Availability:** This command is available to *cluster* administrators at the *advanced* privilege level.

## Description

The `security protocol ssh modify` command modifies the existing cluster-wide configuration of SSH

## Parameters

**`[-per-source-limit <integer>]` - Per-Source Limit (privilege: advanced)**

Modifies the maximum number of SSH instances per source IP address on a per-node basis.

**`[-max-instances <integer>]` - Maximum Number of Instances (privilege: advanced)**

Modifies the maximum number of SSH instances that can be handled on a per-node basis.

**`[-connections-per-second <integer>]` - Connections Per Second (privilege: advanced)**

Modifies the maximum number of SSH connections per second on a per-node basis.

## Examples

The following example modifies cluster-wide SSH configuration:

```
cluster1::*> security protocol ssh modify -per-source-limit 30 -max
-instances 60 -connections-per-second 5
```

## security protocol ssh show

Show the SSH configuration

**Availability:** This command is available to *cluster* administrators at the *advanced* privilege level.

## Description

The `security protocol ssh show` command displays the cluster-wide SSH configuration in advanced privilege mode. Use the [security protocol ssh modify](#) command to change the SSH configuration that the cluster supports.

## Examples

The following example displays cluster-wide SSH configuration:

```
cluster1::*> security protocol ssh show
Per-Source Limit: 32
Maximum Number of Instances: 64
Connections Per Second: 10
```

## Related Links

- [security protocol ssh modify](#)

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