



## **rsh events**

### ONTAP EMS reference

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# rsh events

## rsh.enabled events

### rsh.enabled

**Severity**

NOTICE

**Description**

This message occurs when rsh is enabled in the cluster using the (privilege: advanced) "security protocol" command.

**Corrective Action**

(None).

**Syslog Message**

Insecure protocol service rsh has been enabled in the cluster.

**Parameters**

(None).

## rsh.firewall events

### rsh.firewall.policy.remove

**Severity**

NOTICE

**Description**

This message occurs when rsh is automatically removed from firewall policies during a revert operation from Data ONTAP® 9.0 to 8.3. Rsh is removed because it is an insecure protocol and it is by default disabled in Data ONTAP 9.0. In Data ONTAP 8.3, the presence of rsh in firewall policies after a revert operation enables rsh. To prevent this, the rsh firewall policy is removed during the operation.

**Corrective Action**

Use the "system services firewall policy create" command to reenable rsh.

**Syslog Message**

Rsh removed from firewall policy because of Data ONTAP revert operations. Rsh is now disabled.

**Parameters**

(None).

## rsh.rcmd events

### rsh.rcmd.port.bind

**Severity**

ERROR

**Description**

This message occurs when there is an error in binding a reserved port.

**Corrective Action**

(None).

**Syslog Message**

rcmd.c: Bind error %d on reserved port %d.

**Parameters**

**errNum** (INT): Error number.

**port** (INT): Port number.

## rsh.rcmd.port.used

**Severity**

ERROR

**Description**

This message occurs when there is no port available for binding to a socket, because all the reserved ports are in use.

**Corrective Action**

(None).

**Syslog Message**

rcmd.c: All reserved ports have been used.

**Parameters**

(None).

## rsh.setsockopt events

### rsh.setsockopt.failure

**Severity**

ERROR

**Description**

This message occurs when the setsockopt option on the RemoteShell(RSH) socket fails; RSH is not available.

**Corrective Action**

Use the error message to determine the problem.

**Syslog Message**

RSH setsockopt error: option level '%s', option value '%s', error code '%d', error message '%s'.

## Parameters

**socketlevel** (STRING): Socket option level parameter.  
**socketoption** (STRING): Socket option value parameter.  
**errorcode** (INT): Error code returned from setsockopt.  
**reason** (STRING): Error message for the failure.

# rsh.socket events

## rsh.socket.failure

### Severity

ERROR

### Description

The rshd daemon could not create a socket.

### Corrective Action

Disable and enable rshd daemon using options rsh.enable.

### Syslog Message

RSH socket error: %s.

## Parameters

**reason** (STRING): The reason why the rshd daemon could not create a socket.

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