



## **ndo events**

### **ONTAP EMS reference**

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# ndo events

## ndo.cr events

### ndo.cr.canceled

#### Severity

NOTICE

#### Description

This message occurs when a controller replacement operation is canceled by the operator.

#### Corrective Action

(None).

#### Syslog Message

Controller replacement operation on node "%s" is canceled by the operator.

#### Parameters

**nodeName** (STRING): Name of the node that was being replaced when the operation was canceled.

### ndo.cr.completed

#### Severity

NOTICE

#### Description

This message occurs when a controller replacement operation has been completed successfully in the HA group.

#### Corrective Action

(None).

#### Syslog Message

Controller replacement operation completed. New node "%s" (model: %s), HA partner node "%s" (model: %s)

#### Parameters

**newNodeName** (STRING): Node name of the first new controller.

**newModelName** (STRING): Model name of the first new controller.

**haNodeName** (STRING): Node name of the new HA partner controller.

**haModelName** (STRING): Model name of the new HA partner controller.

### ndo.cr.completed.firstNode

#### Severity

NOTICE

**Description**

This message occurs when a controller replacement operation has been completed on the first node of the HA group.

**Corrective Action**

(None).

**Syslog Message**

Controller replacement operation completed on the first controller of the HA group. New node: %s (model: %s).

**Parameters**

**nodeName** (STRING): Node name of the new controller.

**modelName** (STRING): Model name of the new controller.

**ndo.cr.nso.canceled****Severity**

NOTICE

**Description**

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster FC configuration has been canceled.

**Corrective Action**

(None).

**Syslog Message**

NSO-based controller replacement operation was canceled from node: %s. Remote cluster node: %s, remote cluster HA partner node: %s.

**Parameters**

**initiatingClusterNodeName** (STRING): Name of the node from where controller replacement operation was canceled.

**targetClusterNodeName** (STRING): Node name of the controller that will be replaced.

**targetClusterHAPartnerNodeName** (STRING): Node name of the HA partner controller that will be replaced.

**ndo.cr.nso.completed****Severity**

NOTICE

**Description**

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster FC configuration has completed.

**Corrective Action**

(None).

## Syslog Message

NSO-based controller replacement operation completed. Initiating cluster node: %s, remote cluster node: %s (model: %s), remote cluster HA partner node: %s (model: %s).

## Parameters

**initiatingClusterNodeName** (STRING): Node name of the controller that has initiated the upgrade.  
**newTargetClusterNodeName** (STRING): Node name of the new controller.  
**newTargetClusterModelName** (STRING): Model name of the new controller.  
**newTargetClusterHApartnerNodeName** (STRING): Node name of the new HA partner controller.  
**newTargetClusterHApartnerModelName** (STRING): Model name of the new HA partner controller.

## ndo.cr.nso.mccip.canceled

### Severity

NOTICE

### Description

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster IP configuration has been canceled.

### Corrective Action

(None).

## Syslog Message

An NSO-based controller replacement operation was canceled in a MetroCluster IP configuration from node "%s". The remote cluster node is "%s", and the remote cluster HA partner node is "%s".

## Parameters

**initiatingClusterNodeName** (STRING): Name of the node where the controller replacement operation was canceled.  
**targetClusterNodeName** (STRING): Node name of the controller that was to be replaced.  
**targetClusterHApartnerNodeName** (STRING): Node name of the HA partner controller that was to be replaced.

## ndo.cr.nso.mccip.completed

### Severity

NOTICE

### Description

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster IP configuration has completed.

### Corrective Action

(None).

## Syslog Message

An NSO-based controller replacement operation completed in a MetroCluster IP configuration. The initiating cluster node is "%s", remote cluster node is "%s" (model "%s"), and the remote cluster HA partner node is "%s" (model "%s").

## Parameters

**initiatingClusterNodeName** (STRING): Node name of the controller that initiated the controller replacement operation.  
**newTargetClusterNodeName** (STRING): Node name of the new controller.  
**newTargetClusterModelName** (STRING): Model name of the new controller.  
**newTargetClusterHApartnerNodeName** (STRING): Node name of the new HA partner controller.  
**newTargetClusterHApartnerModelName** (STRING): Model name of the new HA partner controller.

## ndo.cr.nso.mccip.paused

### Severity

NOTICE

### Description

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster IP configuration has been paused.

### Corrective Action

Use the "system controller replace show-details" command to check the status of the operation. Then, use the "system controller replace resume" command to resume the replacement operation.

### Syslog Message

An NSO-based controller replacement operation was paused in a MetroCluster IP configuration from node "%s". The remote cluster node is "%s", and the remote cluster HA partner node is "%s".

## Parameters

**initiatingClusterNodeName** (STRING): Name of the node from where the controller replacement operation was paused.  
**targetClusterNodeName** (STRING): Node name of the controller that is being replaced.  
**targetClusterHApartnerNodeName** (STRING): Node name of the HA partner controller that is being replaced.

## ndo.cr.nso.mccip.paused.error

### Severity

ERROR

### Description

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster IP configuration was paused due to an error.

### Corrective Action

Use the "system controller replace show-details" command to check the status of the operation. Resolve the error. Then, use the "system controller replace resume" command to resume the replacement operation.

### Syslog Message

An NSO-based controller replacement operation has been paused in a MetroCluster IP configuration on node "%s" during a task "%s" due to the following error: %s.

## Parameters

**nodeName** (STRING): Name of the node where the controller replacement operation was paused due to an error.

**taskName** (STRING): Name of the task.  
**taskReport** (STRING): Detailed error report.

## **ndo.cr.nso.mccip.paused.userInput**

### **Severity**

NOTICE

### **Description**

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster IP configuration has been paused for operator intervention.

### **Corrective Action**

Use the "system controller replace show-details" command to check the status of the operation. Collect the requested information or perform the steps as mentioned in the "system controller replace show-details" command output. Then, use the "system controller replace resume" command to resume the replacement operation.

### **Syslog Message**

An NSO-based controller replacement operation from initiating node "%s" has been paused in a MetroCluster IP configuration. The remote cluster node "%s" and remote cluster HA partner node "%s" have been paused for operator interventio while performing a "%s" task during the "%s" phase.

### **Parameters**

**initiatingClusterNodeName** (STRING): Name of the node where the controller replacement operation was initiated.

**targetClusterNodeName** (STRING): Node name of the controller that is being replaced.

**targetClusterHApartnerNodeName** (STRING): Node name of the HA partner controller that is being replaced.

**taskName** (STRING): Name of the task where the controller replacement operation has been paused for operator intervention.

**phaseInfo** (STRING): Name of the phase where the controller replacement operation has been paused for operator intervention.

## **ndo.cr.nso.mccip.resumed**

### **Severity**

NOTICE

### **Description**

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster IP configuration has been resumed.

### **Corrective Action**

(None).

### **Syslog Message**

An NSO-based controller replacement operation has been resumed in a MetroCluster IP configuration from node "%s". The remote cluster node is "%s", and the remote cluster HA partner node is "%s".

## Parameters

**initiatingClusterNodeName** (STRING): Name of the node from where the controller replacement operation has been resumed.

**targetClusterNodeName** (STRING): Node name of the controller that is being replaced.

**targetClusterHApartnerNodeName** (STRING): Node name of the HA partner controller that is being replaced.

## ndo.cr.nso.mccip.started

### Severity

NOTICE

### Description

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster IP configuration has been started.

### Corrective Action

(None).

### Syslog Message

An NSO-based controller replacement operation has been started in a MetroCluster IP configuration. The local cluster node is "%s", the remote cluster node is "%s" (model "%s"), and the remote cluster HA partner node is "%s" (model "%s").

## Parameters

**initiatingClusterNodeName** (STRING): Node name of the controller that initiated the controller replacement operation.

**targetClusterNodeName** (STRING): Node name of the controller that will be replaced.

**targetClusterModelName** (STRING): Model name of the controller that will be replaced.

**targetClusterHApartnerNodeName** (STRING): Node name of the HA partner controller that will be replaced.

**targetClusterHApartnerModelName** (STRING): Model name of the HA partner controller that will be replaced.

## ndo.cr.nso.paused

### Severity

NOTICE

### Description

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster FC configuration has been paused.

### Corrective Action

Use the "system controller replace show-details" command to check the status of the operation. Then, use the "system controller replace resume" command to resume the replacement operation.

### Syslog Message

NSO-based controller replacement operation was paused from node: %s. Remote cluster node: %s, remote cluster HA partner node: %s.



## Parameters

**initiatingClusterNodeName** (STRING): Name of the node from where the controller replacement operation was paused.

**targetClusterNodeName** (STRING): Node name of the controller that will be replaced.

**targetClusterHApartnerNodeName** (STRING): Node name of the HA partner controller that will be replaced.

## ndo.cr.nso.paused.error

### Severity

ERROR

### Description

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster FC configuration has been paused due to an error.

### Corrective Action

Use the "system controller replace show-details" command to check the status of the operation. Resolve the error. Then, use the "system controller replace resume" command to resume the replacement operation.

### Syslog Message

NSO-based controller replacement operation has been paused on node "%s" during %s task due to an error: %s.

## Parameters

**nodeName** (STRING): Name of the node where the controller replacement operation has been paused due to an error.

**taskName** (STRING): Name of the task.

**taskReport** (STRING): Detailed error report.

## ndo.cr.nso.paused.userInput

### Severity

NOTICE

### Description

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster FC configuration has been paused for operator intervention.

### Corrective Action

Use the "system controller replace show-details" command to check the status of the operation. Collect the requested information or perform the steps as mentioned in the "system controller replace show-details" command. Then, use the "system controller replace resume" command to resume the replacement operation.

### Syslog Message

NSO-based controller replacement operation from initiating node "%s" has been paused. Remote cluster node %s and remote cluster HA partner node %s are paused in %s task during %s phase for operator intervention.

## Parameters

**initiatingClusterNodeName** (STRING): Name of the node where the controller replacement operation was initiated.

**targetClusterNodeName** (STRING): Node name of the controller that will be replaced.

**targetClusterHApartnerNodeName** (STRING): Node name of the HA partner controller that will be replaced.

**taskName** (STRING): NSO-based controller replacement operation from initiating node "%s" has been paused. Remote cluster node %s and remote cluster HA partner node %s are paused in %s task during %s phase for operator intervention

**phaseInfo** (STRING): Name of the phase where the controller replacement operation has been paused for operator intervention.

## ndo.cr.nso.resumed

### Severity

NOTICE

### Description

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster FC configuration has been resumed.

### Corrective Action

(None).

### Syslog Message

NSO-based controller replacement operation has been resumed from node %s. Remote cluster node: %s, remote cluster HA partner node: %s.

## Parameters

**initiatingClusterNodeName** (STRING): Name of the node from where the controller replacement operation has been resumed.

**targetClusterNodeName** (STRING): Node name of the controller that will be replaced.

**targetClusterHApartnerNodeName** (STRING): Node name of the HA partner controller that will be replaced.

## ndo.cr.nso.started

### Severity

NOTICE

### Description

This message occurs when a controller replacement operation using negotiated switchover (NSO) in a MetroCluster FC configuration has been started.

### Corrective Action

(None).

### Syslog Message

NSO-based controller replacement operation has been started. Local cluster node: %s, remote cluster node: %s (model: %s), remote cluster HA partner node: %s (model: %s).

## Parameters

**initiatingClusterNodeName** (STRING): Node name of the controller that has initiated the upgrade.

**targetClusterNodeName** (STRING): Node name of the controller that will be replaced.

**targetClusterModelName** (STRING): Model name of the controller that will be replaced.

**targetClusterHApartnerNodeName** (STRING): Node name of the HA partner controller that will be replaced.

**targetClusterHApartnerModelName** (STRING): Model name of the HA partner controller that will be replaced.

## ndo.cr.paused

### Severity

NOTICE

### Description

This message occurs when a controller replacement operation has been paused by the operator.

### Corrective Action

Use the "system controller replace show-details" command to check the status of the operation. Then, use the "system controller replace resume" command to resume the replacement operation.

### Syslog Message

Controller replacement operation on node "%s" is paused by the operator.

## Parameters

**nodeName** (STRING): Name of the node where the replacement was in progress when the operation was paused.

## ndo.cr.paused.error

### Severity

ERROR

### Description

This message occurs when the controller replacement operation has been paused due to an error.

### Corrective Action

Use the "system controller replace show-details" command to check the status of the operation. Resolve the error. Then, use the "system controller replace resume" command to resume the replacement operation.

### Syslog Message

Controller replacement operation has been paused on node "%s" during %s task due to an error: %s.

## Parameters

**nodeName** (STRING): Name of the node where the controller replacement operation has been paused due to an error.

**taskName** (STRING): Name of the task.

**taskReport** (STRING): Detailed error report.

## **ndo.cr.paused.userInput**

### **Severity**

NOTICE

### **Description**

This message occurs when a controller replacement operation has been paused for operator intervention.

### **Corrective Action**

Use the "system controller replace show-details" command to check the status of the operation. Collect the requested information or perform the steps as mentioned in the "system controller replace show-details" command. Then, use the "system controller replace resume" command to resume the replacement operation.

### **Syslog Message**

Controller replacement operation has been paused on node "%s" in "%s" task during "%s" phase for operator intervention.

### **Parameters**

**nodeName** (STRING): Name of the node where the controller replacement operation has been paused for operator intervention.

**taskName** (STRING): Name of the task where the controller replacement operation has been paused for operator intervention.

**phaseInfo** (STRING): Name of the phase where the controller replacement operation has been paused for operator intervention.

## **ndo.cr.resumed**

### **Severity**

NOTICE

### **Description**

This message occurs when a controller replacement operation has been resumed by the operator.

### **Corrective Action**

(None).

### **Syslog Message**

Controller replacement operation has been resumed on node "%s" by the operator.

### **Parameters**

**nodeName** (STRING): Name of the node where the controller replacement operation has been resumed.

## **ndo.cr.started**

### **Severity**

NOTICE

### **Description**

This message occurs when a controller replacement operation has been started in the HA group by the operator.

**Corrective Action**

(None).

**Syslog Message**

Controller replacement operation has been started. Node "%s" (model: %s), HA partner node "%s" (model: %s).

**Parameters**

**nodeName** (STRING): Node name of the controller that will be replaced.

**modelName** (STRING): Model name of the controller that will be replaced.

**haNodeName** (STRING): Node name of the HA partner controller that will be replaced.

**haModelName** (STRING): Model name of the HA partner controller that will be replaced.

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