metrocluster check commands
ONTAP 9.13.1 commands
NetApp
February 11, 2024
metrocluster check commands

metrocluster check disable-periodic-check

Disable Periodic Check

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

**Description**

The `metrocluster check disable-periodic-check` command disables the periodic checking of the MetroCluster configuration.

After this command is run, the MetroCluster Check job will be prevented from periodically checking the configuration for errors.

**Parameters**

**Examples**

```bash
clusA::> metrocluster check disable-periodic-check
```

metrocluster check enable-periodic-check

Enable Periodic Check

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

**Description**

The `metrocluster check enable-periodic-check` command enables the periodic checking of the MetroCluster configuration.

After this command is run, the MetroCluster Check job will able to run in the background and periodically check the configuration for errors.

**Parameters**

**Examples**

```bash
clusA::> metrocluster check enable-periodic-check
```

metrocluster check run

Check the MetroCluster setup
Availability: This command is available to cluster administrators at the admin privilege level.

Description

The `metrocluster check run` command performs checks on the MetroCluster configuration and reports configuration errors if any.

To run this command, at least one DR group needs to be configured. The command checks the following parts of the configuration:

Node Configuration:

- node-reachable: This check verifies that the node is reachable.
- metrocluster-ready: This check verifies that the node is ready for MetroCluster configuration.
- local-ha-partner: This check verifies that the HA partner node is in the same cluster.
- ha-mirroring-on: This check verifies that HA mirroring for the node is configured.
- symmetric-ha-relationship: This check verifies that the relationship between the node and its HA partner is symmetric.
- remote-dr-partner: This check verifies that the DR partner node is in the remote cluster.
- dr-mirroring-on: This check verifies that DR mirroring for the node is configured.
- symmetric-dr-relationship: This check verifies that the relationship between the node and its DR partner is symmetric.
- remote-dr-auxiliary-partner: This check verifies that the DR auxiliary partner node is in the remote cluster.
- symmetric-dr-auxiliary-relationship: This check verifies that the relationship between the node and its DR auxiliary partner is symmetric.
- storage-failover-enabled: This check verifies that storage failover is enabled.
- has-intercluster-lif: This check verifies that the node has an intercluster LIF.
- node-object-limit: This check verifies that the node object limit option for the node is turned on.

Aggregate Configuration:

- mirroring-status: This check verifies that the aggregate is mirrored.
- disk-pool-allocation: This check verifies that the disks belonging to this aggregate have been correctly allocated to the right pools.

At the end of the check the command displays a summary of the results. This summary output can be viewed again by running `metrocluster check show`. If any of the rows in this output show any warnings more details can be viewed by running the `metrocluster check show` command for that component.

Parameters

```
[-skip-dr-simulation {true|false}] - Skip the DR Readiness Checks (privilege: advanced)
```

If this optional parameter is set to true, the switchover and switchback simulations are not run.

Examples

The following example shows the execution of the command when there are no warnings:
clusA::> metrocluster check run

Component       Result
------------------- ---------
       nodes       ok
       clusters    ok
       lifs         ok
config-replication ok
       aggregates  ok
5 entries were displayed.
Command completed. Use the "metrocluster check show -instance" command or sub-commands in "metrocluster check" directory for detailed results.

The following example shows the execution of the command when there are some warnings:

clusA::> metrocluster check run
Component       Result
------------------- ---------
       nodes       warning
       clusters    ok
       lifs         ok
config-replication ok
       aggregates  ok
5 entries were displayed.
Command completed. Use the "metrocluster check show -instance" command or sub-commands in "metrocluster check" directory for detailed results.

Related Links

• metrocluster check show

**metrocluster check show**

Show the results of the last instance of MetroCluster check

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

**Description**

The `metrocluster check show` command displays the results of the `metrocluster check run` command.

This command displays the high-level verification results for each of the components. If there are any errors for a component, running the show command for that component (for example `metrocluster check node show` or...
metrocluster check aggregate show) will display more information about the warning.

Please note that this command does not run the checks but only displays the results of checks. To look at the latest results, run the metrocluster check run command and then run this command.

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.

[-timestamp <MM/DD/YYYY HH:MM:SS>] - Time of Check
This is the time at which the metrocluster check run command was last run in this cluster and these results were produced. If this parameter is specified, only rows with this timestamp will be displayed.

[-component <MetroCluster Check Components>] - Name of the Component
This is the name of the component. If this parameter is specified, only rows with this component will be displayed.

[-result {ok|warning|not-run|not-applicable}] - Result of the Check
This is the result of the check for the component. If this parameter is specified, only rows with this result will be displayed.

[-additional-info <text>] - Additional Information/Recovery Steps
This is the additional info for the verification for this component. This field will have detailed information about the warning and recovery steps. If this parameter is specified, only rows with this additional info will be displayed.

Examples

The following example shows the execution of the command when there are no warnings:

```bash
clusA::> metrocluster check show

<table>
<thead>
<tr>
<th>t</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>nodes</td>
<td>ok</td>
</tr>
<tr>
<td>clusters</td>
<td>ok</td>
</tr>
<tr>
<td>lifs</td>
<td>ok</td>
</tr>
<tr>
<td>config-replication</td>
<td>ok</td>
</tr>
<tr>
<td>aggregates</td>
<td>ok</td>
</tr>
<tr>
<td>connections</td>
<td>ok</td>
</tr>
</tbody>
</table>
```

s were displayed.
The following example shows the execution of the command when there are some warnings:

```
clusA::> metrocluster check show
             t           Result
            ------------------- ---------
    nodes               warning
    clusters            ok
    lifs                ok
    config-replication  ok
    aggregates          ok
    connections         ok

```

The following example shows the execution of the command with -instance option:

```
clusA::> metrocluster check show -instance
                   Name of the Component: nodes
               Result of the Check: warning

                   Additional Information/Recovery Steps:

                     Name of the Component: cluster
                     Result of the Check: ok

                   Additional Information/Recovery Steps:

                     Name of the Component: lifs
                     Result of the Check: ok

                   Additional Information/Recovery Steps:

                     Name of the Component: config-replication
                     Result of the Check: ok

                   Additional Information/Recovery Steps:

                     Name of the Component: aggregates
                     Result of the Check: warning

                   Additional Information/Recovery Steps:

                     Name of the Component: connections
                     Result of the Check: ok

                   Additional Information/Recovery Steps:

6 entries were displayed.
```
Related Links
• metrocluster check run
• metrocluster check node show
• metrocluster check aggregate show

metrocluster check aggregate show
Show results of MetroCluster check for aggregates

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

Description
The metrocluster check aggregate show command displays the results of aggregate checks performed by the metrocluster check run command.

The command verifies the following aspects of the configuration of all aggregates in MetroCluster:
• mirroring-status: This check verifies that the aggregate is mirrored.
• disk-pool-allocation: This check verifies that the disks belonging to this aggregate have been correctly allocated to the right pools.

Additional information about the warnings (if any) and recovery steps can be viewed by running the command with the -instance option.

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.

[-node <Node name>] - Node Name
This is the name of the node for which the check was run. If this parameter is specified, only rows with this node will be displayed.

[-aggregate <aggregate name>] - Name of the Aggregate
This is the name of the aggregate for which the check was run. If this parameter is specified, only rows with this aggregate will be displayed.

[-check <MetroCluster Aggregate Check>] - Type of Check
This is the type of the check performed. If this parameter is specified, only rows with this check will be displayed.

[-cluster <Cluster name>] - Name of Cluster
This is the name of the cluster the node belongs to. If this parameter is specified, only rows with this cluster will be displayed.
This is the result of the check. If this parameter is specified, only rows with this result will be displayed.

This is additional information about the check. This field has more information and recovery steps for the warning. If this parameter is specified, only rows with this additional info will be displayed.

Examples

The following example shows the execution of the command in a MetroCluster configuration with two nodes per cluster:

```
clusA::> metrocluster check aggregate show


<table>
<thead>
<tr>
<th>Node</th>
<th>Aggregate</th>
<th>Check</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>a1_required_data_aggr</td>
<td>mirroring-status</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td>disk-pool-allocation</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>aggr0_a1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>clusA-01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b1_required_data_aggr</td>
<td>mirroring-status</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td>disk-pool-allocation</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>aggr0_b1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>clusB-01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b2_required_data_aggr</td>
<td>mirroring-status</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td>disk-pool-allocation</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>aggr0_b2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>clusB-02</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16 entries were displayed.
```

The following example shows the execution of the command with -instance option:
clusA::> metrocluster check aggregate show -instance
Node Name: clusA-01
    Name of the Aggregate: a1_required_data_aggr_1
        Type of Check: mirroring-status
    Name of Cluster: clusA
    Result of the Check: ok
Additional Information/Recovery Steps: -
Node Name: clusA-01
    Name of the Aggregate: a1_required_data_aggr_1
        Type of Check: disk-pool-allocation
    Name of Cluster: clusA
    Result of the Check: ok
Additional Information/Recovery Steps: -
Node Name: clusA-01
    Name of the Aggregate: a1_required_data_aggr_2
        Type of Check: mirroring-status
    Name of Cluster: clusA
    Result of the Check: ok
Additional Information/Recovery Steps: -
Node Name: clusA-01
    Name of the Aggregate: a1_required_data_aggr_2
        Type of Check: disk-pool-allocation
    Name of Cluster: clusA
    Result of the Check: ok
Additional Information/Recovery Steps: -
Node Name: clusA-01
    Name of the Aggregate: aggr0_a1
        Type of Check: mirroring-status
    Name of Cluster: clusA
    Result of the Check: warning
Additional Information/Recovery Steps: Root aggregate "aggr0_a1" is un-mirrored. Root aggregates should be mirrored in a MetroCluster configuration.
Node Name: clusA-01
    Name of the Aggregate: aggr0_a1
        Type of Check: disk-pool-allocation
    Name of Cluster: clusA
    Result of the Check: ok
Additional Information/Recovery Steps: -
Node Name: clusB-01
    Name of the Aggregate: aggr0_b1
        Type of Check: mirroring-status
    Name of Cluster: clusB
    Result of the Check: ok
Additional Information/Recovery Steps: -
Node Name: clusB-01
Name of the Aggregate: aggr0_b1
  Type of Check: disk-pool-allocation
  Name of Cluster: clusB
  Result of the Check: ok
Additional Information/Recovery Steps: -

Node Name: clusB-01
Name of the Aggregate: b1_required_data_aggr_1
  Type of Check: mirroring-status
  Name of Cluster: clusB
  Result of the Check: ok
Additional Information/Recovery Steps: -

Node Name: clusB-01
Name of the Aggregate: b1_required_data_aggr_1
  Type of Check: disk-pool-allocation
  Name of Cluster: clusB
  Result of the Check: ok
Additional Information/Recovery Steps: -

Node Name: clusB-01
Name of the Aggregate: b1_required_data_aggr_2
  Type of Check: mirroring-status
  Name of Cluster: clusB
  Result of the Check: ok
Additional Information/Recovery Steps: -

Node Name: clusB-01
Name of the Aggregate: b1_required_data_aggr_2
  Type of Check: disk-pool-allocation
  Name of Cluster: clusB
  Result of the Check: ok
Additional Information/Recovery Steps: -
12 entries were displayed.

Related Links
• metrocluster check run

metrocluster check cluster show

Show results of MetroCluster check for the cluster components

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

Description
The metrocluster check cluster show command displays the results of cluster checks performed by the metrocluster check run command.
The command displays the results of the following cluster configuration checks:

- **negotiated-switchover-ready**: This check verifies that the cluster is ready for a negotiated switchover operation.
- **switchback-ready**: This check verifies that the cluster is ready for a switchback operation.
- **job-schedules**: This check verifies that the job schedules between the local and remote clusters are consistent.
- **licenses**: This check verifies that the licenses between the local and remote clusters are consistent.
- **periodic-check-enabled**: This check verifies that the periodic MetroCluster Check Job is enabled.
- **onboard-key-management**: This check verifies that the Onboard Key Management hierarchies are consistent.
- **external-key-management**: This check verifies that the External Key Management configurations are consistent.

Additional information about the warnings (if any) and recovery steps can be viewed by running the command with the `-instance` parameter.

**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.

```
{-check {negotiated-switchover-ready|switchback-ready|job-schedules|licenses|periodic-check-enabled|onboard-key-management|external-key-management}}
```

- **Type of Check**

This is the type of the check performed. If this parameter is specified, only rows with this check will be displayed.

```
{-cluster <Cluster name>}
```

- **Cluster Name**

This is the name of the cluster the check results apply to. If this parameter is specified, only rows matching the specified cluster will be displayed.

```
{-result {ok|warning|not-run|not-applicable}}
```

- **Result of the Check**

This is the result of the check. If this parameter is specified, only rows with this result will be displayed.

```
{-additional-info <text>}
```

- **Additional Information/Recovery Steps**

This is additional information about the check. This field has more information and recovery steps for the warning. If this parameter is specified, only rows with this additional info will be displayed.

**Examples**

The following example shows the execution of the command in a MetroCluster configuration:
clusA::> metrocluster check cluster show

Last Checked On: 11/29/2018 17:15:00

<table>
<thead>
<tr>
<th>Cluster</th>
<th>Check</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>clusA</td>
<td>negotiated-switchover-ready</td>
<td>not-applicable</td>
</tr>
<tr>
<td></td>
<td>switchback-ready</td>
<td>not-applicable</td>
</tr>
<tr>
<td></td>
<td>job-schedules</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>licenses</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>periodic-check-enabled</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>onboard-key-management</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>external-key-management</td>
<td>ok</td>
</tr>
<tr>
<td>clusB</td>
<td>negotiated-switchover-ready</td>
<td>not-applicable</td>
</tr>
<tr>
<td></td>
<td>switchback-ready</td>
<td>not-applicable</td>
</tr>
<tr>
<td></td>
<td>job-schedules</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>licenses</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>periodic-check-enabled</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>onboard-key-management</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>external-key-management</td>
<td>ok</td>
</tr>
</tbody>
</table>

14 entries were displayed.

The following example shows the execution of the command with the -instance parameter:

clusA::> metrocluster check cluster show -instance

Type of Check: negotiated-switchover-ready
  Cluster Name: clusA
  Result of the Check: not-applicable
Additional Information/Recovery Steps: Disaster recovery readiness checks are not performed as part of periodic metrocluster check. To run these checks, use the "metrocluster check run" command.

Type of Check: switchback-ready
  Cluster Name: clusA
  Result of the Check: not-applicable
Additional Information/Recovery Steps: Disaster recovery readiness checks are not performed as part of periodic metrocluster check. To run these checks, use the "metrocluster check run" command.

Type of Check: job-schedules
  Cluster Name: clusA
  Result of the Check: ok
Additional Information/Recovery Steps:

Type of Check: licenses
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Type of Check: periodic-check-enabled
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Type of Check: onboard-key-management
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Type of Check: external-key-management
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Type of Check: negotiated-switchover-ready
Cluster Name: clusB
Result of the Check: not-applicable
Additional Information/Recovery Steps: Disaster recovery readiness checks are not performed as part of periodic metrocluster check. To run these checks, use the "metrocluster check run" command.
Type of Check: switchback-ready
Cluster Name: clusB
Result of the Check: not-applicable
Additional Information/Recovery Steps: Disaster recovery readiness checks are not performed as part of periodic metrocluster check. To run these checks, use the "metrocluster check run" command.
Type of Check: job-schedules
Cluster Name: clusB
Result of the Check: ok
Additional Information/Recovery Steps:
Type of Check: licenses
Cluster Name: clusB
Result of the Check: ok
Additional Information/Recovery Steps:
Type of Check: periodic-check-enabled
Cluster Name: clusB
Result of the Check: ok
Additional Information/Recovery Steps:
Type of Check: onboard-key-management
Cluster Name: clusB
Result of the Check: ok
Additional Information/Recovery Steps:
Type of Check: external-key-management
Cluster Name: clusB
Result of the Check: ok
Related Links

- metrocluster check run

**metrocluster check config-replication show-aggregate-eligibility**

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

**Description**

The `metrocluster check config-replication show-aggregate-eligibility` command displays the MetroCluster configuration replication aggregate eligibility.

**Parameters**

```powershell
[-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.

```powershell
[-instance ]
```

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

```powershell
[-aggregate <aggregate name>] - Aggregate
```

This is the aggregate name. If this parameter is specified, only rows with this aggregate will be displayed.

```powershell
[-hosted-configuration-replication-volumes <volume name>,...] - Currently Hosted Configuration Replication Volumes
```

This is the list of the configuration replication volumes hosted on this aggregate. If this parameter is specified, only rows with these configuration replication volumes will be displayed.

```powershell
[-is-eligible-to-host-additional-volumes {true|false}] - Eligibility to Host Another Configuration Replication Volume
```

This is the eligibility of the aggregate to host additional configuration replication volumes. If this parameter is specified, only rows with this eligibility will be displayed.

```powershell
[-comment <text>] - Comment for Eligibility Status
```

This is a comment regarding the eligibility of the aggregate to host configuration replication volumes. If this parameter is specified, only rows with this comment will be displayed.

**Examples**

The following example shows the execution of the command in a MetroCluster configuration with thirteen aggregates in the cluster:
### Eligible to Aggregate Eligibility

<table>
<thead>
<tr>
<th>Aggregate</th>
<th>Hosted Config Replication Vols</th>
<th>Host Addl Vols</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>a0</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>a1</td>
<td>MDV_CRS_1bc7134a5ddf11e3b63f123478563412_A</td>
<td>true</td>
<td>-</td>
</tr>
<tr>
<td>a2</td>
<td>MDV_CRS_1bc7134a5ddf11e3b63f123478563412_B</td>
<td>true</td>
<td>-</td>
</tr>
<tr>
<td>a3</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>a4</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>a5</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>a6</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>a7</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>a8</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>a9</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>a10</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>a11</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
<tr>
<td>a12</td>
<td>-</td>
<td>false</td>
<td></td>
</tr>
</tbody>
</table>

13 entries were displayed.

---

**metrocluster check config-replication show-capture-status**

Display MetroCluster capture status information

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

**Description**

The `metrocluster check config-replication show-capture-status` command indicates whether or not a configuration change that would prevent a negotiated switchover is currently being captured for replication.
Examples

The following example shows the execution of the command in a MetroCluster configuration when capture is not in progress:

```
cluster1::*> metrocluster check config-replication show-capture-status
Is Capture in Progress: false
```

**metrocluster check config-replication show**

Display MetroCluster config-replication status information

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

**Description**

The `metrocluster check config-replication show` command displays the results of MetroCluster configuration replication.

The command verifies the following aspects of MetroCluster configuration replication:

- **Enabled**: Verifies that MetroCluster configuration replication is enabled on the cluster.
- **Running**: Verifies that MetroCluster configuration replication is running on the cluster.
- **Remote Heartbeat**: Verifies that the MetroCluster configuration replication heartbeat with the remote cluster is healthy.
- **Last Heartbeat Sent**: Prints the timestamp of the last MetroCluster configuration replication heartbeat sent to the remote cluster.
- **Last Heartbeat Received**: Prints the timestamp of the last MetroCluster configuration replication heartbeat received from the remote cluster.
- **Storage Status**: Verifies that MetroCluster configuration replication storage is healthy.
- **Storage In Use**: Prints the location of MetroCluster configuration replication storage.
- **Storage Remarks**: Prints the underlying root cause for non healthy MetroCluster configuration storage.
- **Vserver Streams**: Verifies that MetroCluster configuration replication Vserver streams are healthy.
- **Cluster Streams**: Verifies that MetroCluster configuration replication Cluster streams are healthy.

Additional information about the warnings (if any) and recovery steps can be viewed by running the command with the `-instance` option.

**Parameters**

`[-instance]`

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

**Examples**

The following example shows the output of `metrocluster check config-replication show`:
clusA::metrocluster check config-replication> show
   Enabled: true
      Running: true
    Remote Heartbeat: ok
    Last Heartbeat Sent: 12/12/2013 14:24:59
    Last Heartbeat Received: 12/12/2013 14:25:00
  Storage Status: ok
       Storage In Use: Cluster-wide Volume: MDV_CRS_1bc7134a5ddf11e3b63f123478563412_A
              Storage Remarks: -
        Vserver Streams: ok
      Cluster Streams: ok

metrocluster check connection show

Display the check results of connections for nodes in a MetroCluster over IP configuration

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

Description

The metrocluster check connection show command displays the check results of connections for nodes in a MetroCluster over IP configuration.

Parameters

[-fields <fieldname>,...]
   If you specify the -fields <fieldname>,... parameter, the command displays only the fields that you specify.

| [-instance ] }
   If this parameter is specified, the command displays detailed information about all entries.

[-dr-group-id <integer>] - DR Group ID
   If this parameter is specified, the command displays information for the matching DR group.

[-cluster-uuid <UUID>] - Cluster UUID
   If this parameter is specified, the command displays information for the matching cluster specified by uuid.

[-cluster <Cluster name>] - Cluster Name
   If this parameter is specified, the command displays information for the matching cluster.

[-node-uuid <UUID>] - Node UUID
   If this parameter is specified, the command displays information for the matching node specified by uuid.
[-node <text>] - Node Name
   If this parameter is specified, the command displays information for the matching nodes.

[-home-port {<netport>|<ifgrp>}] - Home Port
   If this parameter is specified, the command displays information for the matching home-port.

[-relationship-type <Roles of MetroCluster Nodes>] - Relationship Role Type
   If this parameter is specified, the command displays information for the matching relationship-type.

[-source-address <IP Address>] - Source Network Address
   If this parameter is specified, the command displays information for the matching source address.

[-destination-address <IP Address>] - Destination Network Address
   If this parameter is specified, the command displays information for the matching destination address.

[-partner-cluster-uuid <UUID>] - Partner Cluster UUID
   If this parameter is specified, the command displays information for the matching partner-cluster-uuid.

[-partner-node-uuid <UUID>] - Partner Node UUID
   If this parameter is specified, the command displays information for the matching partner-node-uuid.

[-partner-node <text>] - Partner Node Name
   If this parameter is specified, the command displays information for the matching partner-node.

[-partner-type <text>] - Partner Relationship Type
   If this parameter is specified, the command displays information for the matching partner-type.

[-config-state <text>] - Configuration State
   If this parameter is specified, the command displays information for the matching config-state.

[-config-error-info <text>] - Configuration Error Information
   If this parameter is specified, the command displays information for the matching config-error-info.

[-check-result {ok|warning|not-run|not-applicable}] - Check Connection Result
   If this parameter is specified, the command displays information for the matching check-result.

[-check-ping-error-info <text>] - Check Connection Ping Error Info
   If this parameter is specified, the command displays information for the matching check-ping-error-info.

[-check-mtu-size-error-info <text>] - Check Connection MTU Size Error Info
   If this parameter is specified, the command displays information for the matching check-mtu-size-error-info.

[-check-storage-error-info <text>] - Check Connection Storage Error Info
   If this parameter is specified, the command displays information for the matching check-storage-error-info.

Examples
The following example shows the output of the `metrocluster check connection show` command:
clusA::> metrocluster check connection show

<table>
<thead>
<tr>
<th>DR</th>
<th>Source</th>
<th>Destination</th>
<th>Partner Type</th>
<th>Config</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>cluster-A</td>
<td>node-A1</td>
<td></td>
<td></td>
<td>completed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Check Result: ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Home Port: e0f</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10.140.113.214</td>
<td>10.140.113.216</td>
<td>HA Partner</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>completed</td>
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<td>Check Result: ok</td>
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<td>Home Port: e0f</td>
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<tr>
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<td></td>
<td>10.140.113.214</td>
<td>10.140.113.218</td>
<td>DR Partner</td>
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<td>completed</td>
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<td>Check Result: ok</td>
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<td>Home Port: e0f</td>
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<td></td>
<td></td>
<td>10.140.113.214</td>
<td>10.140.113.249</td>
<td>DR Auxiliary</td>
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<td>completed</td>
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<td>Check Result: ok</td>
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<td></td>
<td>Home Port: e0g</td>
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<tr>
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<td></td>
<td></td>
<td>10.140.113.215</td>
<td>10.140.113.217</td>
<td>HA Partner</td>
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<td>completed</td>
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<td>Check Result: ok</td>
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<td>Home Port: e0g</td>
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<td></td>
<td></td>
<td>10.140.113.215</td>
<td>10.140.113.248</td>
<td>DR Partner</td>
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<td>10.140.113.215</td>
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<td>DR Auxiliary</td>
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<td>Check Result: ok</td>
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<td>Home Port: e0f</td>
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<td></td>
<td></td>
<td>10.140.113.216</td>
<td>10.140.113.214</td>
<td>HA Partner</td>
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<td>Check Result: ok</td>
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<td>Home Port: e0f</td>
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<td></td>
<td>10.140.113.216</td>
<td>10.140.113.249</td>
<td>DR Partner</td>
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<td>completed</td>
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<td>Check Result: ok</td>
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<td>Home Port: e0f</td>
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<td></td>
<td></td>
<td>10.140.113.216</td>
<td>10.140.113.218</td>
<td>DR Auxiliary</td>
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<td></td>
<td>completed</td>
</tr>
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<td></td>
<td></td>
<td>Check Result: ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Home Port: e0g</td>
</tr>
</tbody>
</table>
completed
Check Result: ok
Home Port: e0g
10.140.113.217  10.140.113.215  HA Partner
completed
Check Result: ok
Home Port: e0g
10.140.113.217  10.140.113.25   DR Partner
completed
Check Result: ok
Home Port: e0g
10.140.113.217  10.140.113.248  DR Auxiliary
completed
Check Result: ok
cluster-B
node-B1
Home Port: e0f
10.140.113.218  10.140.113.249  HA Partner
completed
Check Result: ok
Home Port: e0f
10.140.113.218  10.140.113.214  DR Partner
completed
Check Result: ok
Home Port: e0f
10.140.113.218  10.140.113.216  DR Auxiliary
completed
Check Result: ok
Home Port: e0g
10.140.113.248  10.140.113.25   HA Partner
completed
Check Result: ok
Home Port: e0g
10.140.113.248  10.140.113.215  DR Partner
completed
Check Result: ok
Home Port: e0g
10.140.113.248  10.140.113.217  DR Auxiliary
completed
Check Result: ok
node-B2
Home Port: e0f
10.140.113.249  10.140.113.218  HA Partner
completed
Check Result: ok
Home Port: e0f
10.140.113.249  10.140.113.216  DR Partner
completed
Check Result: ok
Home Port: e0f  
10.140.113.249  10.140.113.214  DR Auxiliary  
completed  
Check Result: ok  
Home Port: e0g  
10.140.113.25  10.140.113.248  HA Partner  
completed  
Check Result: ok  
Home Port: e0g  
10.140.113.25  10.140.113.217  DR Partner  
completed  
Check Result: ok  
Home Port: e0g  
10.140.113.25  10.140.113.215  DR Auxiliary  
completed  
Check Result: ok  

24 entries were displayed.

**metrocluster check lif repair-placement**

Repair LIF placement for the sync-source Vserver LIFs in the destination cluster

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

**Description**

The `metrocluster check lif repair-placement` command reruns LIF placement for those LIFs displayed by the `metrocluster check lif show` command. This command is expected to be run after the admin manually rectifies the LIF placement failures displayed in the `metrocluster check lif show` command output. The command is successful if the LIF placement rerun does not encounter any LIF placement failure. This is to be confirmed by subsequent running of the `metrocluster check lif show`.

**Parameters**

- `-vserver <Vserver Name>` - sync-source Vserver Name  
  This is the name of the sync source Vserver that has LIF placement failures as reported by the `metrocluster check lif show` command. This input ensures that the command is run on the specified Vserver.

- `[-lif <lif-name>]` - Logical Interface Name  
  This is the Logical Interface name that belongs to the sync source Vserver that has a LIF placement failure in the destination cluster as reported by the `metrocluster check lif show` command. This input ensures that the command is run on the specified LIF only.

**Examples**

The following example shows the execution of the command with a sync source Vserver and a LIF specified:
The following example shows the execution of the command with only a sync-source Vserver specified:

clusA::> metrocluster check lif repair-placement -vserver vs1.example.com
-lif fcplif1
Command completed. Run the "metrocluster check lif show" command for results.

clusA::> metrocluster check lif repair-placement -vserver vs1.example.com
-lif iscsilif1
Command completed. Run the "metrocluster check lif show" command for results.

clusA::>

Related Links

• metrocluster check lif show

metrocluster check lif show

Show results of MetroCluster check results for the data LIFs

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

Description

The metrocluster check lif show command displays the LIF placement failures in the MetroCluster configuration.

The command verifies the following aspects of the LIF placements of all the data LIFs in Metrocluster:

• lif-placed-on-dr-node: This check verifies that the LIF is placed on DR partner node.
• port-selection: This check verifies that the LIF is placed on correct port.

The LIF placement failures are mostly fabric/network connectivity issues that require manual intervention. Once the connectivity issues are resolved manually, the admin is expected to run metrocluster check lif repair-placement command to resolve the LIF placement issues for the sync source Vserver.

Additional information about the warnings (if any) and recovery steps can be viewed by running the command with the -instance option.
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.

[-cluster <Cluster name>] - Name of the Cluster
  This is the name of the cluster the LIF belongs to. If this parameter is specified, only rows with this cluster will be displayed.

[-vserver <text>] - Name of the Vserver
  This is the name of the Vserver in the MetroCluster configuration

[-lif <lif-name>] - Name of the Lif
  This is the name of the LIF.

[-check <MetroCluster LIF placement Check>] - Description
  This is the type of the check performed. If this parameter is specified, only rows with this check will be displayed.

[-result {ok|warning|not-run|not-applicable}] - Result of the Check
  This is the result of the check performed. If this parameter is specified, only rows with this result will be displayed.

[-additional-info <text>] - Additional Information/Recovery Steps
  This is additional information about the check. This field has more information and recovery steps for the warning. If this parameter is specified, only rows with this additional info will be displayed.

Examples

The following example shows the execution of the command in a MetroCluster configuration with two nodes per cluster:
clusA::>metrocluster check lif show

<table>
<thead>
<tr>
<th>Cluster</th>
<th>Vserver</th>
<th>LIF</th>
<th>Check</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>ClusA</td>
<td>vs1</td>
<td>a_data1</td>
<td>lif-placed-on-dr-node</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>port-selection</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>a_data1_inet6</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>lif-placed-on-dr-node</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>port-selection</td>
<td>ok</td>
</tr>
<tr>
<td>ClusA</td>
<td>vs2-mc</td>
<td>b_data1</td>
<td>lif-placed-on-dr-node</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>port-selection</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>b_data1_inet6</td>
<td>ok</td>
</tr>
<tr>
<td>ClusB</td>
<td>vs1-mc</td>
<td>a_data1</td>
<td>lif-placed-on-dr-node</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>port-selection</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>a_data1_inet6</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>lif-placed-on-dr-node</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>port-selection</td>
<td>ok</td>
</tr>
<tr>
<td>ClusB</td>
<td>vs2</td>
<td>b_data1</td>
<td>lif-placed-on-dr-node</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>port-selection</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>b_data1_inet6</td>
<td>ok</td>
</tr>
</tbody>
</table>

16 entries were displayed.

**Related Links**

- metrocluster check lif repair-placement

**metrocluster check node show**

Show results of MetroCluster check for nodes

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

**Description**

The **metrocluster check node show** command displays the results of node checks performed by the **metrocluster check run** command.

The command displays the results of the following node configuration checks:
• node-reachable: This check verifies that the node is reachable.
• metrocluster-ready: This check verifies that the node is ready for MetroCluster configuration.
• local-ha-partner: This check verifies that the HA partner node is in the same cluster.
• ha-mirroring-on: This check verifies that HA mirroring for the node is configured.
• ha-mirroring-op-state: This check verifies that the HA mirroring operation is online.
• symmetric-ha-relationship: This check verifies that the relationship between the node and its HA partner is symmetric.
• remote-dr-partner: This check verifies that the DR partner node is in the remote cluster.
• dr-mirroring-on: This check verifies that DR mirroring for the node is configured.
• dr-mirroring-op-state: This check verifies that the DR mirroring operation is online.
• symmetric-dr-relationship: This check verifies that the relationship between the node and its DR partner is symmetric.
• remote-dr-auxiliary-partner: This check verifies that the DR auxiliary partner node is in the remote cluster.
• symmetric-dr-auxiliary-relationship: This check verifies that the relationship between the node and its DR auxiliary partner is symmetric.
• storage-failover-enabled: This check verifies that storage failover is enabled.
• has-intercluster-lif: This check verifies that the node has an intercluster LIF.
• node-object-limit: This check verifies that the node object limit option for the node is turned on.
• automatic-uso: This check verifies that the automatic USO option for the node is enabled.

Additional information about the warnings (if any) and recovery steps can be viewed by running the command with the `-instance` parameter.

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.

`[-node <Node name>] - Node Name`

This is the name of the node for which the check was run. If this parameter is specified, only rows with this node will be displayed.

`[-check <MetroCluster Node Check>] - Type of Check`

This is the type of the check performed. If this parameter is specified, only rows with this check will be displayed.

`[-cluster <Cluster name>] - Cluster Name`

This is the name of the cluster the node belongs to. If this parameter is specified, only rows with this cluster will be displayed.
[-result {ok|warning|not-run|not-applicable}] - Result of the Check

This is the result of the check. If this parameter is specified, only rows with this result will be displayed.

[-additional-info <text>] - Additional Information/Recovery Steps

This is additional information about the check. This field has more information and recovery steps for the warning. If this parameter is specified, only rows with this additional info will be displayed.

Examples

The following example shows the execution of the command in a MetroCluster configuration with two nodes per cluster:

clusA::> metrocluster check node show

Last Checked On: 9/12/2016 13:47:00

<table>
<thead>
<tr>
<th>Node</th>
<th>Check</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>clusA-01</td>
<td>node-reachable</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>metrocluster-ready</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>local-ha-partner</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>ha-mirroring-on</td>
<td>warning</td>
</tr>
<tr>
<td></td>
<td>ha-mirroring-op-state</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>symmetric-ha-relationship</td>
<td>warning</td>
</tr>
<tr>
<td></td>
<td>remote-dr-partner</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>dr-mirroring-on</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>dr-mirroring-op-state</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>symmetric-dr-relationship</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>remote-dr-auxiliary-partner</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>symmetric-dr-auxiliary-relationship</td>
<td>warning</td>
</tr>
<tr>
<td></td>
<td>storage-failover-enabled</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>has-intercluster-lif</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>node-object-limit</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>automatic-uso</td>
<td>ok</td>
</tr>
<tr>
<td>clusA-02</td>
<td>node-reachable</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>metrocluster-ready</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>local-ha-partner</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>ha-mirroring-on</td>
<td>warning</td>
</tr>
<tr>
<td></td>
<td>ha-mirroring-op-state</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>symmetric-ha-relationship</td>
<td>warning</td>
</tr>
<tr>
<td></td>
<td>remote-dr-partner</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>dr-mirroring-on</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>dr-mirroring-op-state</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>symmetric-dr-relationship</td>
<td>ok</td>
</tr>
<tr>
<td></td>
<td>remote-dr-auxiliary-partner</td>
<td>ok</td>
</tr>
</tbody>
</table>
The following example shows the execution of the command with the `-instance` parameter:

clusA::> metrocluster check node show -instance
Node Name: clusA-01
Type of Check: node-reachable
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusA-01

Type of Check: metrocluster-ready
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusA-01

Type of Check: local-ha-partner
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusA-01

Type of Check: ha-mirroring-on
Cluster Name: clusA
Result of the Check: warning
Additional Information/Recovery Steps: Node's HA mirroring is not active. Enable it on using "storage failover" commands.
Node Name: clusA-01

Type of Check: ha-mirroring-op-state
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusA-01

Type of Check: symmetric-ha-relationship
Cluster Name: clusA
Result of the Check: warning
Additional Information/Recovery Steps: Partner not found. Check if node "clusA-01's HA partner" is configured in MetroCluster.
Node Name: clusA-01

Type of Check: remote-dr-partner
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusA-01

Type of Check: dr-mirroring-on
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusA-01

Type of Check: dr-mirroring-op-state
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusA-01
Type of Check: symmetric-dr-relationship
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:

Node Name: clusA-01
Type of Check: remote-dr-auxiliary-partner
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:

Node Name: clusA-01
Type of Check: symmetric-dr-auxiliary-relationship
Cluster Name: clusA
Result of the Check: warning
Additional Information/Recovery Steps: Partner not found. Check if node "clusA-01's DR auxiliary partner" is configured in MetroCluster.

Node Name: clusA-01
Type of Check: storage-failover-enabled
Cluster Name: clusA
Result of the Check: warning
Additional Information/Recovery Steps: Node's storage failover is disabled. Enable using "storage failover" commands.

Node Name: clusA-01
Type of Check: has-intercluster-lif
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:

Node Name: clusA-01
Type of Check: node-object-limit
Cluster Name: clusA
Result of the Check: ok
Additional Information/Recovery Steps:

Node Name: clusB-01
Type of Check: node-reachable
Cluster Name: clusB
Result of the Check: ok
Additional Information/Recovery Steps:

Node Name: clusB-01
Type of Check: metrocluster-ready
Cluster Name: clusB
Result of the Check: ok
Additional Information/Recovery Steps:

Node Name: clusB-01
Type of Check: local-ha-partner
Cluster Name: clusB
Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusB-01
  Type of Check: ha-mirroring-on
  Cluster Name: clusB
  Result of the Check: warning
Additional Information/Recovery Steps: Node's HA mirroring is not active. Enable it on using "storage failover" commands.
Node Name: clusB-01
  Type of Check: ha-mirroring-op-state
  Cluster Name: clusB
  Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusB-01
  Type of Check: symmetric-ha-relationship
  Cluster Name: clusB
  Result of the Check: warning
Additional Information/Recovery Steps: Partner not found. Check if node "clusB-01's HA partner" is configured in MetroCluster.
Node Name: clusB-01
  Type of Check: remote-dr-partner
  Cluster Name: clusB
  Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusB-01
  Type of Check: dr-mirroring-on
  Cluster Name: clusB
  Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusB-01
  Type of Check: dr-mirroring-op-state
  Cluster Name: clusB
  Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusB-01
  Type of Check: symmetric-dr-relationship
  Cluster Name: clusB
  Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusB-01
  Type of Check: remote-dr-auxiliary-partner
  Cluster Name: clusB
  Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusB-01
  Type of Check: symmetric-dr-auxiliary-relationship
  Cluster Name: clusB
Result of the Check: warning
Additional Information/Recovery Steps: Partner not found. Check if node "clusB-01's DR auxiliary partner" is configured in MetroCluster.
Node Name: clusB-01
    Type of Check: storage-failover-enabled
    Cluster Name: clusB
Result of the Check: warning
Additional Information/Recovery Steps: Node's storage failover is disabled. Enable using "storage failover" commands.
Node Name: clusB-01
    Type of Check: has-intercluster-lif
    Cluster Name: clusB
Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusB-01
    Type of Check: node-object-limit
    Cluster Name: clusB
Result of the Check: ok
Additional Information/Recovery Steps:
Node Name: clusB-01
    Type of Check: automatic-uso
    Cluster Name: clusB
Result of the Check: ok
Additional Information/Recovery Steps:
32 entries were displayed.

Related Links
• metrocluster check run

metrocluster check volume show

Show results of the MetroCluster check for volumes

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

Description
The metrocluster check volume show command displays the results of volume checks performed by the metrocluster check run command.

The command displays the results of the following volume configuration checks:
• unmirrored-flexgroups: This check looks for flexgroups residing on unmirrored aggregates.
• mixed-flexgroups: This check looks for flexgroups residing on a mix of mirrored and unmirrored aggregates.

Additional information about the warnings, if any, and recovery steps can be viewed by running the command
with the -instance parameter.

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.

{-vserver <vserver name>] - Vserver Name
This is the name of the vserver that contains the volume that the check results apply to. If this parameter is specified, only rows matching the specified cluster will be displayed.

{-volume <volume name>] - Volume Name
This is the name of the volume that the check results apply to. If this parameter is specified, only rows matching the specified volume will be displayed.

{-check <MetroCluster Volume Check>] - Type of Check
This is the type of the check performed. If this parameter is specified, only rows with this check will be displayed.

{-result {ok|warning|not-run|not-applicable}] - Result of the Check
This is the result of the check. If this parameter is specified, only rows with this result will be displayed.

{-additional-info <text>,…] - Additional Information/Recovery Steps
This is additional information about the check. This field has more information and recovery steps for the warning. If this parameter is specified, only rows with this additional info will be displayed.

Examples

The following example shows the execution of the command in a MetroCluster configuration:
clusA::*> metrocluster check volume show

Last Checked On: 7/25/2018 10:04:07

<table>
<thead>
<tr>
<th>Vserver</th>
<th>Volume</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>---------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>unmirrored-volumes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>warning</td>
</tr>
<tr>
<td>vs1</td>
<td>unMirr</td>
<td>unmirrored-volumes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>warning</td>
</tr>
<tr>
<td>vs2</td>
<td>vs2UnMirrA</td>
<td>unmirrored-volumes</td>
</tr>
</tbody>
</table>

2 entries were displayed.

clusA::*> metrocluster check volume show -instance

Vserver Name: vs1

    Volume Name: unMirr
    Type of Check: unmirrored-volumes
    Result of the Check: warning

Additional Information/Recovery Steps: FlexGroup "unMirr" resides on unmirrored aggregates. Parts of the FlexGroup may not be available after an un-planned switchover.

Vserver Name: vs2

    Volume Name: vs2UnMirrA
    Type of Check: unmirrored-volumes
    Result of the Check: warning

Additional Information/Recovery Steps: FlexGroup "vs2UnMirrA" resides on unmirrored aggregates. Parts of the FlexGroup may not be available after an un-planned switchover.

2 entries were displayed.
clusA::>

Related Links

• metrocluster check run