

# Business Continuity Clustering 2.6

## Readme

October 2023

This Readme identifies known issues for Business Continuity Clustering (BCC) 2.6 for your Open Enterprise Server (OES) 23.4 servers that are running Novell Cluster Services (NCS).

### Minimum System Requirements

Business Continuity Clustering supports up to four peer clusters that are running OES 23.4 and Novell Cluster Services.

The BCC operating environment requires the versions of OES and NetIQ products listed in [Table 1](#), with the latest patches applied.

**Table 1** BCC Operating Environment

Supported Product	For documentation, see:
eDirectory 9.2.8 This product is included with OES 23.4.	eDirectory 9.2.8 ( <a href="https://www.netiq.com/documentation/edirectory-92/">https://www.netiq.com/documentation/edirectory-92/</a> ) documentation Web site on NetIQ.com
Open Enterprise Server 23.4	OES 23.4 ( <a href="https://www.microfocus.com/documentation/open-enterprise-server/23.4">https://www.microfocus.com/documentation/open-enterprise-server/23.4</a> ) documentation Web site on MicroFocus.com
Novell Cluster Services	For information about clustering OES 23.4 services and storage, see the product documentation on the <a href="#">OES 23.4: OES Cluster Services for Linux Administration Guide</a>
iManager 3.2.6 This product is included with OES 23.4.	iManager 3.2.6 ( <a href="https://www.netiq.com/documentation/imanager-326/">https://www.netiq.com/documentation/imanager-326/</a> ) documentation Web site on NetIQ.com
Clusters plug-in for iManager This product is included with OES 23.4.	“Installing or Updating the Clusters Plug-in for iManager” in the <a href="#">OES 23.4: OES Cluster Services for Linux Administration Guide</a>
Identity Manager 4.8.7 The credential to activate IDM is included in the BCC license.	Identity_Manager_4.8.7 ( <a href="https://www.netiq.com/documentation/identity-manager-48/">https://www.netiq.com/documentation/identity-manager-48/</a> ) documentation Web site on NetIQ.com

# Downloads

Beginning with OES 2018 SP1, Novell Business Continuity Cluster (BCC) is available as a pattern in the OES installation pattern list. However, BCC continues to be a separate product with its own license.

Download the OES 23.4 through [Downloads \(https://sld.microfocus.com/\)](https://sld.microfocus.com/).

In addition, you must download the following product:

- ♦ [Identity\\_Manager\\_4.8 for OES 23.4 \(https://sld.microfocus.com/\)](https://sld.microfocus.com/)

The credential that you need to use Identity Manager drivers beyond the evaluation period is found in the BCC license.

You must apply all maintenance patches for Identity\_Manager\_4.8.7 on the Identity Manager node in each of the peer clusters before you install or upgrade BCC on any of the nodes in any peer cluster. Patches are available on [OpenText Patch Finder \(https://sld.microfocus.com/\)](https://sld.microfocus.com/).

## Known Issues

This section identifies known issues for BCC on OES 23.4 clusters running NCS.

- ♦ [“BCC Cluster Resource Migration” on page 2](#)
- ♦ [“BCC Connections Fail on Enabling only TLS v1.3” on page 2](#)
- ♦ [“Incorrect Status in the Cluster View Report After Enabling BCC on Peer Clusters” on page 2](#)
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### BCC Cluster Resource Migration

BCC enabled cluster resource migration fails between the BCC peer clusters. The resource goes to unassigned state after migration. To troubleshoot this issue, before initiating the migration process, perform `nlvmm rescan` on all the nodes of the target cluster, where the BCC cluster resource has to be up and running.

### BCC Connections Fail on Enabling only TLS v1.3

In OES 2023 with BCC installed and configured, enabling only the TLS v1.3 protocol in the `sfcb.cfg` file makes the BCC cluster connections to break. To avoid this and maintain stable connections, enable TLS v1.2 as well.

### Incorrect Status in the Cluster View Report After Enabling BCC on Peer Clusters

After the set up of BCC and enabling it on peer clusters, the cluster view report on one of the node in the first cluster shows only one peer cluster as configured instead of showing all the peer clusters. However, the cluster view report on all the other nodes correctly shows all the peer clusters configured. To view the correct cluster view report on the node in first cluster where the issue is seen, execute the command `cluster refresh -p`.

## Cannot Add a New Volume on a BCC Migrated NSS Pool

When a BCC-enabled pool cluster resource is brought online in a peer cluster other than where it was originally created, you cannot add a new volume on the pool. The volume is created on the disk, but the Volume object fails to be added to Novell eDirectory with `Error 613: Error adding volume to NDS`.

We recommend that you create only one volume per pool cluster resource. If you need to add a volume on a BCC-enabled pool cluster resource, you must BCC-migrate the resource back to the peer cluster where the pool was originally created.

In some disaster situations, it is possible that the pool cluster resource has been permanently relocated to the current peer cluster. To cluster-enable the pool in its current cluster, see [Permanently Relocating a Cluster Resource to a Peer Cluster](#) in the *OES 23.4: BCC Administration Guide*.

## Multiple-Tree Configurations Are Not Supported

In the BCC 2.6 release, multiple-tree configurations of business continuity clusters are not supported. All peer clusters must reside in the same tree.

## Documentation

This README lists all known issues for BCC for OES 23.4. For information about installing and managing BCC, see the *OES 23.4: BCC Administration Guide*.

## Additional Information

For information about installing and managing Identity\_Manager\_4.8.7, see the [Identity\\_Manager\\_4.8.7\\_Engine documentation Web site \(https://www.netiq.com/documentation/identity-manager-48/\)](https://www.netiq.com/documentation/identity-manager-48/).

For information about iManager 3.2.6, see the [iManager documentation Web site \(https://www.netiq.com/documentation/imanager-32/\)](https://www.netiq.com/documentation/imanager-32/).

For information about OES 23.4 services, see the [OES 23.4 documentation Web site \(https://www.microfocus.com/documentation/open-enterprise-server/23.4\)](https://www.microfocus.com/documentation/open-enterprise-server/23.4).

For information about OES Cluster Services for Linux, see the [OES 23.4: OES Cluster Services for Linux Administration Guide](#).

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