Novell Business Continuity Clustering 2.0 Readme

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This Readme identifies known issues for Novell Business Continuity Clustering (BCC) 2.0 for your Novell Open Enterprise Server (OES) 11 Support Pack 1 (SP1) servers that are running Novell Cluster Services (NCS) 2.1.

1 Minimum System Requirements

Business Continuity Clustering 2.0 supports up to four peer clusters that are running OES 11 SP1 and Novell Cluster Services 2.1.

The BCC 2.0 operating environment requires the versions of Novell, SUSE, and NetIQ products listed in Table 1, with the latest patches applied.

Table 1 *BCC 2.0 Operating Environment*

Supported Product	For documentation, see:
eDirectory 8.8 Support Pack 7 This product is included with OES 11 SP1.	eDirectory 8.8 SP7 (https://www.netiq.com/documentation/edir887/) documentation Web site on NetIQ.com
Novell Open Enterprise Server 11 Support Pack 1	OES 11 SP1 (http://www.novell.com/documentation/oes11/) documentation Web site on Novell.com
SUSE Linux Enterprise Server 11 Service Pack 2 A SLES 11 SP2 entitlement is included with your OES 11 SP1 purchase.	SLES 11 SP2 (http://www.suse.com/documentation/sles11/) documentation Web site on SUSE.com
Novell Cluster Services 2.1 This product is included with OES 11 SP1.	*OES 11 SP1: Novell Cluster Services 2.1 for Linux Administration Guide* For information about clustering OES 11 SP1 services and storage, see the product documentation on the OES 11 SP1 (http://www.novell.com/documentation/oes11/) documentation Web site on Novell.com.
iManager 2.7.6 This product is included with OES 11 SP1.	iManager 2.7.6 (https://www.netiq.com/documentation/imanager/) documentation Web site on NetIQ.com
Clusters plug-in for iManager This product is included with OES 11 SP1.	"Installing or Updating the Clusters Plug-in for iManager" in the *OES 11 SP1: Novell Cluster Services 2.1 for Linux Administration Guide*
Identity Manager 4.0.2 Bundle Edition (64-bit) The credential to activate the Bundle Edition is included in the BCC 2.0 license.	Identity Manager 4.0.2 (https://www.netiq.com/documentation/idm402/) documentation Web site on NetIQ.com

2 Downloads

Novell Business Continuity Clustering 2.0 is available through Novell Downloads (http://download.novell.com/protected/Summary.jsp?buildid=fQp_U9vvzfQ~). An ISO file is available for 64-bit architectures.

In addition, you must download the following products:

- Identity Manager 4.0.2 Bundle Edition for OES 11 SP1 (http://download.novell.com/Download?buildid=10uSC7qKlyE~) (64-bit version)

  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 4.0.2 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 Novell Patch Finder (http://download.novell.com/patch/finder/#familyId=7365&productId=43244).

- Novell Open Enterprise Server 11 SP1 (http://download.novell.com/SummaryFree.jsp?buildid=rmqoq2iehSQ~)

  Apply the latest OES 11 SP1 maintenance patches on all nodes in every peer cluster before you install or upgrade BCC on any of the nodes. Patches are available through the OES 11 SP1 patch channel and SLES 11 SP2 patch channel.

3 Known Issues

This section identifies known issues for BCC 2.0 on OES 11 SP1 clusters running NCS 2.1.

- Section 3.1, “Cannot Add a New Volume on a BCC Migrated NSS Pool,” on page 2
- Section 3.2, “Multiple-Tree Configurations Are Not Supported,” on page 2
- Section 3.3, “Upgrade from NetWare to Linux Does Not Support Mixed Peer Clusters,” on page 3

3.1 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” (http://www.novell.com/documentation/bcc/bcc20_admin_lx/data/bcc_clusres_reloc.html) in the *BCC 2.0 Administration Guide for OES 11 SP1* (http://www.novell.com/documentation/bcc/bcc20_admin_lx/data/bookinfo.html).

3.2 Multiple-Tree Configurations Are Not Supported

In the BCC 2.0 release, multiple-tree configurations of business continuity clusters are not supported. All peer clusters must reside in the same tree.

3.3 Upgrade from NetWare to Linux Does Not Support Mixed Peer Clusters

BCC 2.0 does not support mixed peer clusters of NetWare and Linux. A cluster in mixed-mode that contains both NetWare and Linux servers is supported in a BCC peer cluster only as a temporary means to convert a cluster from NetWare to Linux. The cluster is considered a NetWare cluster, and only NetWare nodes are enabled for BCC. Resources running on Linux nodes in the mixed cluster cannot fail over to a peer cluster.

Before you begin the conversion of a BCC from NetWare to Linux, ensure that you understand the sequence of tasks and the limitations of working in mixed-mode in a BCC. For information, see "Converting BCC Clusters from NetWare to Linux" (http://www.novell.com/documentation/bcc/bcc20_admin_lx/data/convert_nw2lx.html) in the *BCC 2.0 Administration Guide for OES 11 SP1* (http://www.novell.com/documentation/bcc/bcc20_admin_lx/data/bookinfo.html).

4 Documentation

This Readme lists all known issues for BCC 2.0 for OES 11 SP1. For information about installing and managing BCC, see the *BCC 2.0 Administration Guide for OES 11 SP1* (http://www.novell.com/documentation/bcc/bcc20_admin_lx/data/bookinfo.html).

The latest documentation for BCC is available on the Business Continuity Clustering documentation Web site (http://www.novell.com/documentation/bcc/).

5 Additional Information

For information about installing and managing Identity Manager 4.0.2, see the Identity Manager 4.0.2 documentation Web site (http://www.netiq.com/documentation/idm402/).

For information about iManager 2.7.6, see the iManager documentation Web site (https://www.netiq.com/documentation/imanager/).

For information about OES 11 SP1 services, see the OES 11 SP1 documentation Web site (http://www.novell.com/documentation/oes11/).

For information about Novell Cluster Services 2.1 for Linux, see the *OES 11 SP1: Novell Cluster Services 2.1 Administration Guide for Linux* (http://www.novell.com/documentation/oes11/clus_admin_lx/data/h4hgu4hs.html).

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