

# Novell Business Continuity Cluster Services Readme

May 22, 2006

## 1 Known Issues

### Patch Update Available

A patch has recently been made available that is required for Novell Business Continuity Cluster Services (BCC). The patch is downloadable with **TID# 2972264** (<http://support.novell.com/cgi-bin/searchtid.cgi?/2972264>).

### Libc.nlm Update Required

Before installing Novell® Business Continuity Cluster software, ensure the libc.nlm file downloadable with **TID # 2973643** (<http://support.novell.com/cgi-bin/search/searchtid.cgi?/2973643.htm>) is installed on all servers that will be part of a business continuity cluster. If an earlier version of libc.nlm is installed, you might not be able to manage remote clusters or fail resources over to them.

### Dsloader.nlm Update Required

A DSloader update is required if you are installing BCC on NetWare 6.5 SP 2. This update is not required if you are installing on NetWare 6.5 SP 3 or OES NetWare. Before installing Novell Business Continuity Cluster software on NetWare 6.5 SP 2, ensure the dsloader.nlm file downloadable with **TID # 2973090** (<http://support.novell.com/cgi-bin/search/searchtid.cgi?/2973090.htm>) is installed on all servers that will be part of a business continuity cluster. This updated is included with the patch for eDirectory.

### DirXML 1.1a Patch Required.

If you are using DirXML 1.1a, ensure the patch downloadable with **TID# 2966617** (<http://support.novell.com/cgi-bin/search/searchtid.cgi?/2966617.htm>) is applied to the cluster servers where DirXML 1.1a is running. This patch is not necessary for IDM 2.0.x.

### Shared Pool State Occasionally Doesn't Change during Migration

When migrating a cluster-enabled pool from one cluster to another, occasionally the state of the shared pool does not change from primary to secondary. This causes the cluster-enabled pool to not properly migrate and to stay in the secondary state. Try migrating the cluster-enabled pool again.

### Existing Clusters Could Have Conflicting VOLIDs

When existing clusters are configured and enabled within the same business continuity cluster, the volume IDs (VOLIDs) for the existing shared volumes might also share the same VOLIDs. To correct this problem, manually edit the load script for each volume that has been enabled for

business continuance and change the VOLIDs to unique values for each volume in the business continuity cluster.

## **Refresh of iManager Views Delayed**

When you enable a cluster resource for business continuity, that resource might take up to 30 seconds to appear as enabled for business continuity in iManager. After Business Continuity Cluster Services refreshes its status information, the resource will appear as enabled.

## **Certain Characters Not Permitted in Search and Replace Values**

The backslash (\) and colon (:) characters should not be used when specifying search and replace values in resource script replacements. Searched values will not be replaced if these characters are used.

## **NSS Pool Failover Times**

The NSS pools on a cluster might take up to 30 seconds per pool to fail over from a cluster to one node in another cluster. If you have several pools in a cluster, the failover process will be faster if those pools fail over to multiple nodes (fanout failover) rather than to just a single node.

## **Migrating Volume Trustee Assignments**

If you are migrating a pool to a cluster in another tree and you want to maintain that pool's volume trustee assignments, you must migrate the pool to a server with an eDirectory™ replica that holds all objects that have trustee assignments on any of the volumes in the pool. After migrating the pool to a server with an eDirectory replica, enter the following console command on that server for each volume in the pool:

```
NSS/ResetObjectIDStore=volumename
```

This command updates all volume trustee assignments and should be run at night, on a weekend, or during a period of low network utilization. Trustee assignments might take up to 24 hours to become effective and appear in management utilities.

If you migrate the pool to a server in another tree without an eDirectory replica, within 90 days, you must migrate that pool to a server with an eDirectory replica and then run the command for each volume.

## **Volume Trustee Assignments Not Displayed Correctly After Migration**

After migrating a volume from a cluster in one tree to a cluster in another tree, volume trustee assignments might not be displayed correctly in ConsoleOne®, NRM, or on an NCP™ client. This issue exists when the migrated pool is active on a nonreplica server node.

The trustees are in place and correct. Users with trustees assignments from the original tree can map drives and access data with no issues. If a pool is migrated to a server node that contains a replica, the trustee assignments are presented correctly.

## **Renamed BCC Volume Names Don't Replicate to Other Trees**

If you rename a volume on a shared pool in a business continuity cluster, the changed volume name will not replicate to a cluster in another eDirectory tree. This does not affect user access to the volume in either tree.

## Resource Assigned Nodes Changes Replicated to Other Clusters

If you modify the assigned nodes for a specific resource on the source cluster, those changes will be replicated to the destination cluster. This is normal operating behavior.

It becomes an issue if, for example, you have a resource assigned to two nodes on the source cluster and you want that resource assigned to more than two nodes on the destination cluster. Because the resource was assigned to only two nodes on the source cluster, it will by default only be assigned to two nodes on the destination cluster, even though the destination cluster might have more than two nodes. In this example, if you want the resource assigned to more than two nodes on the destination cluster, you have to make the node assignments manually.

## Do Not Mix DirXML Versions

Do not install DirXML 2.x management utilities with the DirXML 1.1a engine. If you do, the DirXML Driver for eDirectory will be converted to version 2.x, and the DirXML 1.1a engine will no longer be able to get the driver information.

## Resource IP Address Search and Replace Problems

Upon the initial creation of a new cluster resource, you might experience problems with a cluster resource IP address not being changed when migrating the resource to another cluster. This problem does not occur after the initial creation of the cluster resource. To resolve this problem, change the IP address for the resource on the primary cluster using the Protocols page in iManager. Wait for the change to synchronize to the other cluster and then change the IP address back. This will force the search and replace (xform) to be processed on the secondary cluster. See [Configuring Cluster Resources for Business Continuity \(http://www.novell.com/documentation/bcc/bcc\\_administration/data/h2mdblj1.html#bq0mfe4\)](http://www.novell.com/documentation/bcc/bcc_administration/data/h2mdblj1.html#bq0mfe4) in the *Novell Business Continuity Cluster Services 1.0 Administration Guide* for more information.

The search and replace process is performed during inbound synchronization, not during outbound synchronization.

## iManager Reports Wrong BCC Peer Connection

If you select Properties for a cluster in a BCC that is different than the cluster you originally selected, and then attempt to view the connections for another cluster, the connections for the cluster you originally selected will be displayed instead of the connections for the other cluster.