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# PATROL<sup>®</sup> for EMC<sup>®</sup> NetWorker<sup>®</sup> by OTL Software

## Release Notes

Version 2.5.00

May 25, 2011

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These release notes contain more up-to-date information that may supplement or supersede information found in the PATROL<sup>®</sup> for EMC<sup>®</sup> NetWorker<sup>®</sup> by OTL Software User Guide.

The following topics are discussed:

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## What's New

### Version 2.5.00

These topics describe the new features and enhancements added in this version of *PATROL for EMC NetWorker by OTL Software*.

#### Enhanced Jukeboxes Monitoring

Jukebox state is monitored in detail to reflect the status of its jukebox devices.

A new parameter is added to display number of *UP* jukebox devices.

#### Enhanced KM Monitoring Failover

KM failover now supports servers/storage nodes clustered using *Oracle Solaris Cluster*, or *Veritas Cluster File System*, in addition to the *Veritas Cluster Server*. It is also possible to monitor in other cluster applications by configuring the remote PATROL Agent node login.

Using the Agent-to-Agent communication, the NSR KM can check the monitoring mode of the remote node and resume monitoring in the event of a failover. The same method can be used if the KM is installed on few nodes of the server/storage node cluster.

The remote PATROL Agent node login includes a time-out and number of attempts, which are used before determining the remote monitoring status and to avoid immediate failover.

The remote PATROL Agent monitoring status checking can be disabled, if required. Then the failover relies completely on the *online* status of the cluster group associated with Legato NetWorker.

Current monitoring status can be checked through parameter `NSRMonitoringMode` and new InfoBox items displaying the current active monitoring node.

#### Enhanced Save Group Monitoring

Few changes were made to the save group collector mainly to improve the efficiency of the collector in large Legato NetWorker installations. It is also possible to disable discovering ended save groups during initial cycle. This reduces the amount of data processed during initial collection cycle.

There is an auto-acknowledgement configuration menu to acknowledge the save group status alarms/warnings set in the previous collections, if preferred. By using this menu, duplicate events can be avoided if the PATROL Agent is restarted.

Save Groups associated to disabled groups are not discovered or monitored. This will allow disabling save groups at group level.

New parameters are added at the container level to monitor the total number of *active*, *active-backup* & *active non-backup* save groups.

### Enhanced Daemon Monitoring

Daemon monitoring is modified to support multiple processes when calculating memory size, CPU time and overall state.

A new parameter, NSRDaemonProcessCount is added to monitor number of processes, if required.

### Compatible with BMC ProactiveNet Performance Management Portal v2.8

The BMC Portal integration is rebuilt using the latest SDK for Portal v2.8 and threshold settings are more appropriately configured.

### Support for BMC Installation Utility

Additional installation files are included in the download to support *Installation Utility*.

### Trial License Status

The free 30-day trial license for the NSR KM is loaded automatically, and the number of trial days left is displayed in the main container instance label.

## What's Changed

### Version 2.5.00

These topics describe the changes included in this version of *PATROL for EMC NetWorker by OTL Software*.

#### Enhanced Status Events

All events triggered by the NSR KM status parameters are changed to include the state information. Here is a sample status event from NSRClientStatus:

```
NetWorker client: OTLU05 is in <Client Down> status (state: <Client Down>; duration: <0> minutes)
```

The event from NSRSave GroupStatus includes more details, as shown in the sample below:

```
NetWorker save group: Default @ 2011/04/08 11:25:37 is in <Aborted>
status (group: <Default>; level: <<null>>; completion status: <aborted>;
pending: <5>; succeeded: <0>; failed: <3>; state: <Aborted>; duration:
<0> minutes)
```

NSRLoginStatus, NSRLicenseStatus & NSRNodeStatus events include the annotation, as shown in the sample below:

```
NetWorker node is in failure status
nsrd          -> RUNNING
nsrindexd    -> RUNNING
nsrmmmd      -> NOT RUNNING
nsrmmdbd     -> RUNNING
nsrexecd     -> RUNNING
```

### Changeable to KM Paths

NSR KM temporary paths (KM\_TEMP & KM\_DEBUG) can be changed using the menu **Configuration => Paths**.

Log files created by NSR KM scripts are retained and maintained under KM\_TEMP for diagnostics.

### Disabled Client and Group Client Monitoring

By default, client & group client monitoring are disabled. To enable follow the instructions in the User Guide, and increase instance limits using the menu **Configuration => Instance Limits**.

## Known Issues and Workarounds

This section lists all known issues with this release of *PATROL for EMC NetWorker*, and their workarounds.

The *PATROL for EMC NetWorker* does not support csh. The KM and Patrol user accounts on UNIX platforms must not be configured to use csh.

If the PATROL Agent version on the managed system is earlier than V3.5.30, PATROL Central Consoles does not display KM icons or images correctly.

If the PATROL Central - Web edition version is earlier than V7.5.50, the context sensitive online help gives an error message.

## Corrected Problems

### Version 2.5.00

Following problems were reported in earlier releases and have been corrected in this version of *PATROL for EMC NetWorker*.

Problem Number	Corrected Problem	New Behavior
2980	Some parameters have incorrect >= or <= assignment on Portal	Direction is corrected for those parameters.
3204	Daemon details are not set on Solaris 10 when used with sudo	The command is corrected to work with Solaris 10 and sudo.
3208	Command Control is run with sudo even with NoLogin option	Sudo is set correctly to operate with NoLogin.
3247	XXXNodeStatus and or XXXLoginStatus remains Suspicious on passive node in a clustered application environment	Annotations are cleared on passive nodes so Status parameters do not remain Suspicious.
3228	Unsupported Legato NetWorker version (syntax error) with sudo	Application version is now corrected determined.
3235, 3245	JukeboxVolume[Assigned[Empty]]Count parameters are all set to 0 on NetWorker 7.3+	NSR_library_stats.sh has been corrected and the parameters are now set correctly.
3238	No jukebox contents details report on NetWorker x.x+	This report is now available.
3254	Affected clients details in NSRSaveSetFailedCount events are set to "s"	Affected clients details are correctly displayed.
3259	Save Group collector cycles take several hours to complete	When /NSR/NSR_JOB/JobCollectGroupGclientDetail is set to false, time-consuming backup detail collection is omitted and the collection cycles improve to an expected frequency.

## Open Problems

There are no problems open for this release of *PATROL for EMC NetWorker* by *OTL Software*.

## Product Installation

Installation instructions are provided in *PATROL for EMC NetWorker* by *OTL Software* User Guide.

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## Product Documents

The following documents support the product:

Document	Publication Date
<i>PATROL for EMC NetWorker</i> User Guide	February 23, 2009
<i>PATROL for EMC NetWorker</i> Release Notes	May 25, 2011

## Where to Get the Latest Product

To get the latest version of *PATROL for EMC NetWorker* by OTL Software, visit OTL Software's Web site at <http://www.otl.co.nz>.