
PATROL[®] for Veritas Cluster Server[™] by OTL Software

Release Notes

Version 2.2.02

April 8, 2011



These release notes contain more up-to-date information that may supplement or supersede information found in the PATROL[®] for Veritas Cluster Server[™] by OTL Software User Guide.

The following topics are discussed:

Topic	Page
What's New	2
What's Changed	4
Known Issues and Workarounds	5
Corrected Problems	6
Open Problems	8
Product Installation	8
Product Documents	8
Where to Get the Latest Product	8

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What's New

Version 2.2.02

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

Enhanced KM Monitoring Failover

The remote PATROL Agent monitoring status checking can be disabled, if required. Then the failover follows the *master* cluster node or the *online* status of the cluster group associated with Veritas Cluster Server.

The VCS KM can be installed on few nodes of the cluster and can be configured to monitor the cluster and failover within those nodes using remote PATROL Agent communication.

When the VCSMonitoringMode changes a detail annotation is added to the data point describing the reason for the change.

Enhanced Daemon Monitoring

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

Compatible with BMC ProactiveNet Performance Management 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 VCS KM is loaded automatically, and the number of trial days left is displayed in the main container instance label.

Version 2.2.01

There are no new features or enhancements added in this version of *PATROL for Veritas Cluster Server by OTL Software*.

Version 2.2.00

These topics describe the new features and enhancements added in version 2.2.00 of *PATROL for Veritas Cluster Server* by OTL Software.

Support for Microsoft Windows and Linux Platforms

This version supports Microsoft Windows and Linux platforms.

Support for Global Cluster Option

This version supports monitoring of VCS clusters in an environment that deploys GCO option.

BMC Portal PADM/PAR Support for Upgrade Descriptor

This version includes a new Portal PADM/PAR file, which incorporates upgrade descriptor(s) to facilitate solution upgrades on Portal.

Windows Product Detection with 64-bit Veritas Cluster Server™

This version of the product, is now able to correctly detect the location of a 64-bit installation of Veritas Cluster Server™ on the Microsoft Windows platforms.

What's Changed

Version 2.2.02

These topics describe the changes included in this version of *PATROL for Veritas Cluster Server* by *OTL Software*.

Enhanced Node Status

VCSNodeStatus parameter monitors cluster state, cluster read only mode and wide area connector state in addition to all critical VCS daemons.

Enhanced Status Events

All events triggered by the VCS KM status parameters are changed to include the state information.

Changeable to KM Paths

VCS KM temporary paths (KM_TEMP & KM_DEBUG) can be changed using the menu **Configuration => Paths**.

Log files created by VCS KM scripts are retained and maintained under KM_TEMP for diagnostics.

Passive nodes will not keep objects created when active

When a node changes to passive mode all objects (service groups, resources, agents & systems) created when it was active, are removed from the console by default. This behavior can be changed to keep by issuing following PSL through PATROL Console:

```
%PSL pconfig("REPLACE", "/VCS/DestroyInstances", false);
```

More efficient VCS Agent data collection

VCS Agent data collection uses a detail listing command which reduces the number of commands executed by the data collector, resulting in improved processing and performance.

Updated Documentation

The User Guide is updated to reflect all the above changes and new features.

Version 2.2.01

There are no changes included in version 2.2.01 of *PATROL for Veritas Cluster Server* by *OTL Software*.

Version 2.2.00

These topics describe the changes included in version 2.2.00 of *PATROL for Veritas Cluster Server* by OTL Software.

More efficient Service Group & Resource data collection

Previous versions included optional mass-processing of Service Group and Resource monitoring object data. This version implements mass-processing by default, resulting in improved processing and performance.

Support for use of default Agent user account for commands

This new feature facilitates the KM to use Agent login details when running various data collection commands and eliminates the dependency on having to require a separate KM OS Login account to be configured and kept up-to-date.

PADM integration is now compatible with BMC Performance Manager Portal 2.6

The PAR file is generated using the latest SDK for Portal 2.6 and threshold settings are more appropriately configured.

New VCSDaemonProcessCount parameter

This new parameter represents the number of processes/threads for a daemon.

The KM Status Report includes Monitoring Mode

The KM Status Report now includes Monitoring Mode for completeness of reported application details.

Known Issues and Workarounds

This section lists all known issues with this release of *PATROL for Veritas Cluster Server*, and their workarounds.

The *PATROL for Veritas Cluster Server* 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 2.2.02

The following problems were reported in earlier releases and have been corrected in this version of *PATROL for Veritas Cluster Server*.

Problem Number	Corrected Problem	New Behavior
2985	No Groups &/or Resources container instances are created when commands fail	Containers are created regardless on active nodes.
3179	Portal solution container is labelled "VCS Solution"	Solution is labelled correctly.
3184	KM does not warn when configured service group does not exist	This is now detected through VCSLoginStatus parameter.
3185	No Group and/or Resource instances are created when KM scripts are missing	The command is corrected to detect those errors.
3194	VCSLItState, VCSSystemUpDownState, VCSHeartbeatState portal parameter direction	Direction changed to descending.
3203	Passive node(s) occasionally goes into Temporary single-node mode	The fail-over logic is modified to be more fault tolerant.
3207	chmod OS command is run with sudo	Command changed to run without sudo.
3208	Command Control is run with sudo even with NoLogin option	Sudo is set correctly to operate with NoLogin.
3247	NodeStatus and or LoginStatus remains suspicious on passive node	The parameters are reset on passive nodes.

Version 2.2.01

Following problems were reported in earlier releases and have been corrected in this version of *PATROL for Veritas Cluster Server*.

Problem Number	Corrected Problem	New Behavior
3136	KM fails to locate Installed Package on Linux	Linux install package, located correctly.
3138	KM fails to work out VCS version correctly which affects commands to be executed	VCS Version worked out correctly.
3139	Online system performing 'Passive Multi-Node Mode' monitoring	Corrected to detect the online systems.
3140	Resource systems are not discovered correctly	Resource system discovery command corrected.

Version 2.2.00

Following problems were reported in earlier releases and have been corrected in this version of *PATROL for Veritas Cluster Server*:

Problem Number	Corrected Problem	New Behavior
2959	KM is disabled on compatible application version due to inaccurate comparison	Monitored application version is accurately detected.
2969	No objects created under an application container	Object instances are now created correctly and empty agent configuration variables are removed.
2970	VCSSystemCpuAvailablePercent does not alarm when value is in negative range	The parameter alarms when the value is negative as well.
2988	Some parameters have incorrect >= or <= assignment on Portal	Portal threshold settings are more appropriately configured.
2991	Configure Monitoring Instances Dialog from Container has duplicate menu descriptions	The menu description is corrected.
2994	Growth rate parameter is set to -0.5 when history parameter value is Unknown	Parameter value is correctly calculated and set.
3010	Application commands can lock up KM when configured with a sudo user account	The KM carries on to proceed to discover the monitored environment.
3011	Portal Uninstall procedure is incorrect on Portal 2.x versions	User Guide has been updated with correct procedures.
3013	Daemon parameters are not set with appropriate values on UNIX.	Parameters are set correctly.
3036	VCSDaemonProcessCount is offline when the daemon is not running	It is now correctly set to 0.
3056	Product documentation does not mention csh not being supported.	It is now included in "Known Issues and Workarounds" section of Release Notes.
3116	VCSResourceCollector VCSGroupCollector stop intermittently	The collectors no longer stop operating and continues to run normally.
3117	Passive node goes to Temporary single-node mode if CHECK_MODE is run with sudo	The monitoring mode is more correctly set.
3118	LoginStatus in Warning on HP-UX (FILESYSTEM_USAGE)	Command is corrected and does not set LoginStatus to warn.
3119	Perl files permissions are not modified to ensure file access	File permissions are modified as required.
3120	Console server icons' background colour is not correct	Affected agent, gab, group, llt, resource, & server icons background colour is displayed correctly.
3122	GROUP/RESOURCE_LIST_DETAIL cmd error messages are not in LoginStatus annotation	Error details are included in VCSLoginStatus annotation.
3123	User Guide contains outdated 64bit registry issue & incorrect product references	Documentation contains correct details.
3124	User Guide & Release Notes, miscellaneous updates and corrections	Documentation contains more updated and correct details.

Open Problems

There are no problems open for this release of *PATROL for Veritas Cluster Server* by OTL Software.

Product Installation

Installation instructions are provided in *PATROL for Veritas Cluster Server* by OTL Software User Guide.

Product Documents

The following documents support the product:

Document	Publication Date
<i>PATROL for Veritas Cluster Server</i> User Guide	March 22, 2011
<i>PATROL for Veritas Cluster Server</i> Release Notes	April 8, 2011

Where to Get the Latest Product

Click [here](#) to check the latest versions of *PATROL for Veritas Cluster Server* by OTL Software from OTL Software web site.