
PATROL[®] for Tivoli[®] Storage Manager[®] by OTL Software

Release Notes

Version 2.5.01

March 22, 2011



These release notes contain more up-to-date information that may supplement or supersede information found in the *PATROL[®] for Tivoli[®] Storage Manager by OTL Software User Guide*.

The following topics are discussed:

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What's New

Version 2.5.01

These topics describe the new features and enhancements added in version 2.5.01 of *PATROL for Tivoli Storage Manager by OTL Software*.

New Parameters for Database Monitoring

New parameters `TSMDatabaseFSSpaceUsedPercent`, `TSMDatabaseReorgElapsed` & `TSMDatabasePoolHitPercent` are added for monitoring TSM db instance.

Version 2.5.00

These topics describe the new features and enhancements added in version 2.5.00 of *PATROL for Tivoli Storage Manager by OTL Software*.

Support for Tivoli® Storage Manager v6.x and DB2

This version of the product, is fully tested and new performance enhancements are added to support the latest *Tivoli® Storage Manager v6.x* and TSM DB2 database.

It is also tested on *Microsoft Windows 2008 R2* servers and some improvements were made.

Enhanced Automated Libraries Monitoring

Automated library state is monitored in detail to reflect the status of its automated library drives.

A new parameter is added to display number of *UP* automated library drives.

Enhanced KM Monitoring Failover

KM failover now supports servers/storage agents 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 TSM 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 agent 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 Tivoli Storage Manager.

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

Enhanced Job Monitoring

Few changes were made to the job collector mainly to improve the efficiency of the collector in large Tivoli Storage Manager installations. It is also possible to disable discovering ended jobs during initial cycle. This reduces the amount of data processed during initial collection cycle.

There is an auto-acknowledgement configuration menu to acknowledge the job 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.

Jobs associated to disabled domains are not discovered or monitored. This will allow disabling jobs at domain level.

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

Acknowledging Process Alerts

There is an auto-acknowledgement configuration menu to acknowledge the process 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.

New Mount Request State/Status Parameters

New parameters, `TSMRequestState` & `TSMRequestStatus` parameters were added to monitor the mount request state and status respectively. The state to status mapping can be customised, if required.

All alerts are sent from `TSMRequestStatus` parameter. Therefore the all alerts on `TSMRequestElapsed` and warning on `TSMRequestTimeout` are removed.

Enhanced Daemon Monitoring

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

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

Compatible with BMC ProactiveNet Performance Management v2.8

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

What's Changed

Version 2.5.01

There are no changes included in version 2.5.01 of *PATROL for Tivoli Storage Manager* by OTL Software.

Version 2.5.00

Enhanced Status Events

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

```
TSM client: OTLU05 is in <Never Communicated> status (state: <Never Communicated>; duration: <0> minutes)
```

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

```
TSM job: OTLDOMAIN:OTLU05 @ 2010/12/12 09:15:00 is in <Missed> status (domain: <OTLDOMAIN>; node: <OTLU05>; schedule: <DAILY_INCR>; mode: <Incremental>; event status: <Missed>; result: <<null>>; state: <Missed>; duration: <0> minutes)
```

TSMLoginStatus, TSMLicenseStatus & TSMNodeStatus events include the annotation, as shown in the sample below:

```
TSM Server is in failure status  
Availability: Disabled
```

Changes to Parameters Monitoring

TSMMediaAvailableCount and TSMMediaAvailablePercent parameters under TSM_POOL are renamed to TSMMediaUnassignedCount and TSMMediaUnassignedPercent respectively.

Changeable to KM Paths

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

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

Disabled Client and Client Node Monitoring

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

Updated Documentation

The User Guide and Online Help are updated to reflect all the above changes and new features.

Known Issues and Workarounds

This section lists all known issues with this release of *PATROL for Tivoli Storage Manager*, and their workarounds.

The *PATROL for Tivoli Storage Manager* 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 2.5.01

The following problems were reported in earlier releases and have been corrected in this version of *PATROL for Tivoli Storage Manager*.

Problem Number	Corrected Problem	New Behavior
3225	TSMClientLastAccessedElapsed and TSMDatabaseLastBackupElapsed set to wrong value	Commands corrected to set these parameters correctly.
3226	dsmsvc.exe is separately created OFFLINE on top of "dmserv.exe or dsmsvc.exe"	Service discovery is corrected to avoid duplication.
3227	Database instance db parameters are not set on TSM6.2	Commands changed, new parameters added and infobox modified.
3229	TSMDriveState & TSMLDriveState read always Online	This error is found only in v2.5.00 and now reset to reflect the actual drive state.

Version 2.5.00

The following problems were reported in earlier releases and have been corrected in this version of *PATROL for Tivoli Storage Manager*.

Problem Number	Corrected Problem	New Behavior
2980	Some parameters have incorrect >= or <= assignment on Portal	Direction is corrected for those parameters.
3201	Database Last Backup Elapsed is incorrectly set to 0	The command is corrected to work with DB2.
3202	dsmadm fails with "Unable to open English message repository 'dsmclientV3.cat'"	The command path is corrected.
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.
3209	TSMDatabaseSpaceUsedPercent value is incorrect	The command is corrected to support v6.1.
3210	Mount request details are not collected	The command is corrected to work with DB2.
3211	Required admin binary path is not found for 64 bit client install	The path client/ba/bin64 is also added to binary path
3213	Access Permission: client/ba/bin is not necessarily the right path	Documentation is updated to include client/ba/bin64
3214	No objects are created as all dsmadm queries fail with permission denied error	The Patrol Agent user requiring access to the dsmadm binaries and paths is further described in the user guide.
3221	dsmadm path configuration accepts directory path and causes macro errors	dsmadm binary file path is verified correctly.

Problem Number	Corrected Problem	New Behavior
3224	TSMJobStatus Warns on "Uncertain" or "Failed - No Restart"	New states "Uncertain" & "Failed - No Restart" are added and state - status mapping is updated appropriately.
3234	Sudo and DSMADMC path changes are not read without an agent restart	Variables reset when the menu is used.

Open Problems

There are no problems open for this release of *PATROL for Tivoli Storage Manager by OTL Software*.

Product Installation

Installation instructions are provided in *PATROL for Tivoli Storage Manager by OTL Software User Guide*.

Product Documents

The following documents support the product:

Document	Publication Date
<i>PATROL for Tivoli Storage Manager by OTL Software User Guide</i>	March 17, 2011
<i>PATROL for Tivoli Storage Manager by OTL Software Release Notes</i>	March 22, 2011

Where to Get the Latest Product

Click [here](#) to check the latest versions of *PATROL for Tivoli Storage Manager by OTL Software* from OTL Software web site.

