HP OpenView Smart Plug-in for BEA Tuxedo

For HP OpenView Operations for UNIX (OVO) 7.x and 8.x

Release Notes

Software version: 3.20 / November 2006

This document provides an overview of the changes made to HP OpenView Smart Plug-in for BEA Tuxedo (Tuxedo SPI) 3.20 for HP OpenView Operations for UNIX (OVO) 7.x and 8.x. It contains important information not included in the manuals or in online help.

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In This Version

The new features added are as follows:

- Support for monitoring Tuxedo Application Queue, which includes monitoring Tuxedo Application Queue space and Application queues.

- Support for monitoring Tuxedo Server Group status.

- Support for data collection for Tuxedo Application queue classes named Application Queue Space (T_APPQSPACE), Application Queue (T_APPQ), and Application Queue Transactions (T_APPQTRANS). Data collection can be configured for either OVPA or CODA.

- Support for data collection for the Tuxedo Server Group class named T_GROUP.

- Support for BEA Tuxedo 9.1 on Windows 2003, Solaris 9 and 10, and HP-UX 11.23 (PA-RISC 64).

- Support for BEA Tuxedo 9 on Windows 2003, Solaris 9 and 10, and HP-UX 11.23 (PA-RISC 64).

- Support for BEA Tuxedo 6.5 on IBM AIX 5.1 and 5.2.

- Support dropped for the HP-UX 11.00 platform.

New Templates

The templates added are as follows:

Templates for Metric Monitoring

- T_APPQSPACE-PCT_MSG
  This template checks if the percentage of messages in Tuxedo Application Queue space exceeds.

- T_APPQSPACE-PCT_PROC
  This template checks if the percentage of processes accessing the Tuxedo Application Queue space exceeds.

- T_APPQSPACE-PCT_QUEUES
  This template checks if the percentage of queues filled in the Tuxedo Application Queue space exceeds.

- T_APPQSPACE-FREE_DSK
  This template checks if the percentage of free disk space in the Tuxedo Application Queue space reduces.

- T_APPQSPACE-FREE_MEM
  This template checks if the percentage of free memory in the Tuxedo Application Queue space reduces.

- T_APPQUEUE-CUR_MSG
  This template checks if the number of persistent (disk based) messages residing in the Tuxedo Application Queue exceeds.

- T_APPQUEUE-CUR_MEMMSG
  This template checks if the number of non-persistent (shared memory based) messages residing in the Tuxedo Application Queue exceeds.

- T_APPQUEUE-CUR_BLOCKS
  This template checks if the number of disk pages occupied by the Tuxedo Application Queue exceeds.

- T_APPQUEUE-CUR_SHAREDMEM
  This template checks if the amount of shared memory (in bytes) occupied by the Tuxedo Application Queue exceeds.

- T_APPQUEUE-TOTAL_MSG
  This template checks if the total number of messages residing in the Tuxedo Application Queue exceeds.

- T_GROUP-STATE
  This template checks if the state of the Tuxedo Server Groups changes to inactive.

Templates for Data Collection

- TUXSPI_AppQueueDataLog
  This template helps to collect data metrics from the T_APPQSPACE, T_APPQ and T_APPQTRANS classes of Tuxedo after integration with OVP products.

- TUXEDO_GroupDataLog
  This template helps to collect data metrics from the T_GROUP classes of Tuxedo after integration with OVP products.

New Applications

The following application tool is added into the BEA Tuxedo SPI tools group:

- **Version verify** – Helps to find out if there is any difference between the BEA Tuxedo SPI base product version and the BEA Tuxedo SPI component version installed on the system.

Documentation Updates

The first page of this release notes document contains the following identifying information:

- Version number, which indicates the software version.
- Publish date, which changes each time the document is updated.

To check for recent updates or to verify that you are using the most recent edition, visit the following URL:

http://ovweb.external.hp.com/lpe/doc_serv/

1   In the Product list, click the product name.

2   In the Version list, click the version number.

3   In the OS list, click the OS type.

4   In the document list, click the document title.

5   To retrieve the document, click **Open** or **Download**.

NOTE: To view files in PDF format (*.pdf), Adobe Acrobat Reader must be installed on your system. To download Adobe Acrobat Reader, go to the following URL:

http://www.adobe.com

Installation Notes

Installation requirements, as well as instructions for installing BEA Tuxedo SPI, are documented in the *Installation Guide for BEA Tuxedo SPI* provided in Adobe Acrobat (`.pdf`) format. The document file is included on the product's DVD media as:

`<DVD Drive>\Documentation\`

After installation the document can be found at:

`<OpenView Install Directory>\NLS\1033\Help`

Enhancements and Fixes

The following items (identified by error tracking number) are fixed in the current software release.

- [1000201665](#) : Show Domains-For Tuxedo version "8.1" it show "8.0"
- [1000282112](#) : File name collision detected for unzip.exe
- [1000335540](#) : Options to rename the 'external' TMIB templates
- [1000344389](#) : Implement summary metrics to avoid CPU spikes through many opcmon calls
- [1000348816](#) : domain not recognized from beamgr.conf
- [1000361625](#) : Uninstallation of BEASPI does not remove all bea files from management server
- [1000362472](#) : OpC30-1030 OpC30-1003 during instrumentation deployment

Known Problems, Limitations, and Workarounds

- Excessive Message overflow in the message browser
  - — Symptoms: When the BEA Tuxedo SPI is started, excessive messages that are resident in the Tuxedo application are forwarded to the message browser.
  - — Workaround: Before starting the BEA Tuxedo SPI, disable the templates that are not required.
- `Show Domains` application does not display information about monitoring applications
  - — Symptoms: The `Show Domains` application only states whether the BEA Tuxedo SPI has been configured for Event monitoring and ULog monitoring. It does not capture the actual state of the Event monitoring and ULog monitoring applications.
  - — Workaround: Check the process table to check if the event monitoring (beaEvt2ito*) and ULog monitoring (`beaUlog2ito*`) processes are running
- System is unable to create the BEA Tuxedo SPI service map.
  - — Symptoms: Service views for Tuxedo nodes is not displayed on the service navigator
  - — Workaround: Make sure that the Tuxedo-managed nodes are assigned to the `TUXSPI-Discovery` node group.

Documentation Errata

There are no errors in BEA Tuxedo SPI documentation.

Verified Environments

The verified environments are as follows.

Table 1: OVO Management Server Versions 7.1, 8.0, 8.10, 8.20

HARDWARE	OS	SUPPORTED OS VERSION	COMMENT
Intel Itanium architecture (IA64)	HP-UX	11.23	64 bit
HP-9000 Technical Workstations & HP-9000 Enterprise Servers	HP-UX	11.11, 11.23	64 bit
Sun Ultra workstation & Sun Ultra Enterprise Server	Solaris	7, 8, 9, and 10	32 bit

Table 2: OVO Agents Versions

HARDWARE	OS	SUPPORTED OS VERSION	COMMENT
HP-9000 Technical Workstations & HP-9000 Enterprise Servers	HP-UX HP-UX	11.11(11i) 11.23 PA	64 bit 64 bit
Sun SPARC stations	Solaris	7, 8, 9, and 10	32 bit
Intel Pentium servers or workstations	Microsoft Windows	Microsoft Windows 2000 Server Microsoft Windows 2003 Server	32 bit
Intel Itanium architecture (IA64)	HP-UX	11.23	64 bit
DEC OSF/1 Servers	Tru64 UNIX	5.1A	64 bit
IBM PowerPC	AIX	5.1 and 5.2	32 bit

Integration with Other OpenView Solutions

BEA Tuxedo SPI integrates with the following OpenView Performance products:

- OpenView Performance Agent
- OpenView Embedded Performance Component

Support

Please visit the HP OpenView support web site at:

http://www.hp.com/managementsoftware/support

This web site provides contact information and details about the products, services, and support that HP OpenView offers.

HP OpenView online software support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by being able to:

- Search for knowledge documents of interest
- Submit and track progress on support cases
- Submit enhancement requests online
- Download software patches
- Manage a support contract
- Look up HP support contacts
- Review information about available services

- Enter discussions with other software customers

- Research and register for software training

NOTE: Most of the support areas require that you register as an HP Passport user and sign in. Many also require an active support contract.

To find more information about support access levels, go to the following URL:

http://www.hp.com/managementsoftware/access_level

To register for an HP Passport ID, go to the following URL:

http://www.managementsoftware.hp.com/passport-registration.html

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