

# HP Operations Smart Plug-in for Microsoft® Active Directory

For HP Operations Manager for Linux

## Release Notes

Software version: 7.01, April 2010

This document provides an overview of the features of the HP Operations Smart Plug-in for Microsoft Active Directory (Microsoft Active Directory SPI) for the 7.01 release. It contains important information not included in the manuals or online help.

This document contains SPI information for HP Operations Manager for UNIX version 9.00 and HP Operations Manager for Linux version 9.01.

- [In This Version](#)
- [Documentation Updates](#)
- [Installation Notes](#)
- [Enhancements and Fixes](#)
- [Known Problems, Limitations, and Workarounds](#)
- [Integration with other HP Software Solutions](#)
- [Local Language Support](#)
- [Support](#)
- [Legal Notices](#)

## In This Version

### For HP-UX:

- This version of the Microsoft Active Directory SPI for HPOM for UNIX can monitor Windows Server 2003 and Windows Server 2008 nodes.
- Policies are deployed to monitor Windows Server 2003 and 2008 nodes. You can view these policies in the Windows Server 2003 and Windows Server 2008 policy subgroup under the **SPI for Active Directory** group in the **Policy Bank**.
- Tools are added to facilitate data collection process on Windows Server 2003 and 2008 nodes. You can view these tools in the **Active Directory SPI** subgroup in the **Tool Bank**.

### For Linux:

The Microsoft Active Directory SPI helps you to manage the Microsoft Active Directory in your environment from an HP Operations Manager (HPOM) for Linux console. The Microsoft Active Directory SPI keeps you informed about the conditions related to Microsoft Active Directory and updates you with the activities such as systems outages capabilities, timely replication process, Domain Controllers and Global Catalogs functionalities among others.

## 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://h20230.www2.hp.com/selfsolve/manuals>**

You must register for an HP Passport and sign-in to access this site. To register for an HP Passport ID, go to:

**<http://h20229.www2.hp.com/passport-registration.html>**

Or click the **New users - please register** link on the HP Passport login page.

You will also receive updated or new editions if you subscribe to the appropriate product support service. Contact your HP sales representative for details.

**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 web site:

**<http://www.adobe.com/>**

## Installation Notes

Installation requirements, as well as instructions for installing Microsoft Active Directory SPI, are documented in the *HP Operations Smart Plug-in for Microsoft Active Directory Installation and Configuration Guide* provided in Adobe Acrobat (.pdf) format. The document file is included on the product's DVD media in the `documentation` directory.

## Software and Hardware Support

Refer to the Support Matrix (SUMA) link

**<http://support.openview.hp.com/selfsolve/document/KM323488>** for the supported HP Operations Manager, application servers, HP Performance Agent, and HP Performance Manager version.

For information on the archived obsolescence programs, refer to the Obsolescence Archive link:

**[http://support.openview.hp.com/encore/om\\_spis\\_2009.jsp](http://support.openview.hp.com/encore/om_spis_2009.jsp)**

## Enhancements and Fixes

To display details about each software enhancement or fix, click the reference number link to go to the HP Software Online Support web site. The first time you click a link, you must enter your HP passport information. To set up your passport profile, go to:

**<http://h20229.www2.hp.com/passport-registration.html>**

**For HP-UX:**

### Fixes

- QCCR1A26974 - Issues with le policies in ADSPI Health Monitor Gp
- QCCR1A26975 - ADSPI instrumentation version is different from ADSPI version

- QCCR1A58991 - Documentation missing about OV Topology Viewer tool in OMW 8.10 Remote Console
- QCCR1A90503 - Need information regarding the policy ADSPI-Rep\_InboundObjects\_AT monitors and its alert message
- QCCR1A93884 - Customer wants ADSPI to be included in OMU Solaris Server

**For Linux:**

None

## Known Problems, Limitations, and Workarounds

This release of the Microsoft Active Directory SPI contains the following known problems and limitations. There is no workaround for these limitations.

- **Limitation:** Microsoft Active Directory metrics have a limit beyond which values cannot be stored in HP Performance Agent classes.

The following tables mention the list of the Microsoft Active Directory metrics with maximum value that they can store in the HP Performance Agent Class.

**Table 1 Metrics capable of storing the maximum value till 21474836.47**

Data Class	Metric
ADSPI_REPLATENCY	LATENCYMIN
ADSPI_REPLATENCY	LATENCYMAX
ADSPI_REPLATENCY	LATENCYAVG
ADSPI_REPLATENCY	LASTREPDELTA MIN
ADSPI_REPLATENCY	LASTREPDELTA MAX
ADSPI_REPLATENCY	LASTREPDELTA AVG
ADSPI_REPLATENCY	LASTREPTIME
ADSPI_RESPONSETIME	BINDTIME
ADSPI_RESPONSETIME	QUERYTIME
ADSPI_RESPONSETIME	GCBINDTIME
ADSPI_RESPONSETIME	GCQUERYTIME
ADSPI_FSMO	PINGTIME
ADSPI_FSMO	FSMOBINDTIME
ADSPI_FSMO_ROLEMVT	ISROLEHOLDER
ADSPI_TIMESYNC	TIMESYNC
ADSPI_DITPERCENTFULL	DITPTVALUE
ADSPI_GCREP	LATENCYDELTA
ADSPI_LOGPERCENTFULL	LGPERFULLVALUE
ADSPI_SYSVOLPTFULL	SYSPERCVALUE

<b>Data Class</b>	<b>Metric</b>
ADSPI_NTDS	DRAINBOUNDDBTS
ADSPI_NTDS	DRAOUTBOUNDBCSEC
ADSPI_NTDS	DRAINBOUNDBCSEC
ADSPI_NTDS	DRAOUTBOUNDDBTS
ADSPI_NTDS	DRAINBOUNDBNCWSSEC
ADSPI_NTDS	DRAOUTBOUNDBNCWSSEC
ADSPI_NTDSP	PCTPROCTIME
ADSPI_NTDSP	PAGEFAULTSSEC
ADSPI_DNSSR	ISDOMAINCONTROLLER
ADSPI_DNSSR	RESPONSETIME
ADSPI_DNSSP	ISDOMAINCTRL
ADSPI_DNSSP	PAGESPERSEC
ADSPI_DNSDR	RESPTIME

**Table 2 Metrics capable of storing the maximum value till 2147483647**

<b>Data Class</b>	<b>Metric</b>
ADSPI_DITDBSIZE	INSTANCEVALUE
ADSPI_DITQUEUELENGTH	DITQLVALUE
ADSPI_LOGDISKSIZE	DISKVALUE
ADSPI_LOGQUEUELENGTH	LGQLENVALUE
ADSPI_TRUST	CHANGETYPE
ADSPI_TRUST	TRUSTATTRIBUTES
ADSPI_TRUST	TRUSTDIRECTION
ADSPI_TRUST	TRUSTSTATUS
ADSPI_TRUST	TRUSTTYPE
ADSPI_NTDS	DSTHREADSINUSE
ADSPI_SCHEMAMISMATCH	SCHEMAMISMATCHCNT
ADSPI_INBOUNDS	OBJECTS
ADSPI_NTDSP	WORKINGSET
ADSPI_RESPONSETIME	GCPRESENT
ADSPI_RESPONSETIME	AVAILABILITY
ADSPI_RESPONSETIME	GCAVAILABILITY

- **Limitation:** If, in a record, one of the Microsoft Active Directory metrics exceeds limit (metrics mentioned in the above tables), the entire record does not get logged into the Microsoft Active Directory HP Performance Agent class.

For example, if the record to be logged is `Mementos1~1098~Failure~6723419876540987654~1.5~True`, then, this entire record will not be logged into the Microsoft Active Directory HP Performance Agent Class, as the 4th metric exceeds the limit.

- **Limitation:** Even after installing the Microsoft Active Directory SPI license, executing the command `ovlicense -r -p OMU` may give an error message. You can ignore this CRITICAL error.

## Integration with other HP Software Solutions

You can also integrate Microsoft Active Directory SPI with other HP software products like HP Performance Manager (to generate graphs) and HP Reporter (to generate reports), which are available as separate products.

## Local Language Support

The SPI installers obtain the HPOM for UNIX locale from the `ctrl.env` namespace before proceeding with the SPI installation. Verify if the namespace has been set using the following command:

```
# /opt/OV/bin/ovconfget ctrl.env LANG
```

If the `ctrl.env` namespace is not set by the HPOM, run the following command on the HPOM Server before starting the SPI installation:

```
# ovconfchg -ns ctrl.env -set LANG <HPOM locale> where <HPOM locale> could be C, ja_JP, ko_KR, or zh_CN.
```

Example: `ovconfchg -ns ctrl.env -set LANG ja_JP`

Depending on the `<HPOM locale>` value, the `LANG` variable in the `ctrl.env` namespace will be set to `C.utf8`, `ja_JP.utf8`, `ko_KR.utf8`, or `zh_CN.utf8`.

## Support

You can visit the HP Software support web site at:

**[www.hp.com/go/hpsoftwaresupport](http://www.hp.com/go/hpsoftwaresupport)**

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

HP Software 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 using the support site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers

- Research and register for software training

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://h20230.www2.hp.com/new\\_access\\_levels.jsp](http://h20230.www2.hp.com/new_access_levels.jsp)**

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

**<http://h20229.www2.hp.com/passport-registration.html>**

**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 and HP Passport, go to the following URL:

**[http://support.openview.hp.com/new\\_access\\_levels.jsp](http://support.openview.hp.com/new_access_levels.jsp)**

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