

# HP StorageWorks Enterprise Modular Array and Modular Array SMI-S provider for HP Systems Insight Manager and HP Storage Essentials



© Copyright 2006 Hewlett-Packard Development Company, L.P.

First edition July 2006

Product names mentioned herein may be trademarks of their respective companies as reflected by an associated footnote.

The information in this document is subject to change without notice.

[www.hp.com](http://www.hp.com)



5697-6131

## About this document

HP Systems Insight Manager (HP SIM) and HP Storage Essentials (HP SE) use CIM/WBEM servers and providers that conform to the Storage Management Initiative (SMI-S). Before HP SIM and HP SE can manage and report on a storage device, the appropriate SMI-S provider must be installed and configured.

## Models supported

This SMI-S provider enables HP SIM and HP SE support for the following storage systems:

- HP StorageWorks Enterprise Modular Array 16000
- HP StorageWorks Enterprise Modular Array 12000
- HP StorageWorks Modular Array 8000

## Requirements

- HP SIM 5.0 or later must be installed on the central management server (CMS).
- You must have a Storage Management Appliance (SMA).
- The SMA must be running software version 2.1 Service Pack 1 (which includes HSG Element Manager 1.0f.3) or later.
- The SMA must have visibility to the LUNs on the Enterprise Modular Arrays and Modular Arrays it will manage.

## Installing the SMI-S provider

1. Uninstall the previous SMI-S provider (if any).
2. Download the installer for SMI-S 1.0f.3b from [http://h18000.www1.hp.com/products/sanworks/softwaredrivers/managementappliance/smis\\_ema\\_v101.html](http://h18000.www1.hp.com/products/sanworks/softwaredrivers/managementappliance/smis_ema_v101.html). The file is in .zip format.
3. Extract and run the .exe file.

No additional configuration is required. The SMI-S provider will automatically begin reporting on all EMA/MA arrays being managed by the SMA.

## Limitations

- HP SIM may experience a slight delay in discovering the arrays while the SMI-S provider gathers information from the arrays for the first time.

## Links

- HP SIM overview: <http://h18013.www1.hp.com/products/servers/management/hpsim/index.html>
- HP SE Overview: <http://h18000.www1.hp.com/products/storage/software/e-suite/index.html>
- HP SIM SMI-S provider information: <http://h18013.www1.hp.com/products/servers/management/hpsim/smi-s-providers.html>