

# HP StorageWorks XP Disk Array and Command View XP 2.1 SMI-S Provider for HP Systems Insight Manager and HP Storage Essentials

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## 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 Specification (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.

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## Models supported

- HP StorageWorks XP128 Disk Array
  - HP StorageWorks XP12000 Disk Array
  - HP StorageWorks XP1024 Disk Array
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## Requirements

- For support with HP Systems Insight Manager, HP SIM 5.0 or later must be installed on the central management server (CMS).
  - For support with HP Storage Essentials, HP SE 5.1 SP3 or later must be installed.
  - HP StorageWorks Command View XP 2.1 must be installed and managing the XP array that you want to monitor with HP SIM.
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## Installing the SMI-S provider

The XP SMI-S provider is automatically installed when you install Command View XP 2.1. However, you must upgrade to version 2.1B of the provider to enable support for HP SIM.

1. At the Command View XP management station, open a web browser and go to <http://h18006.www1.hp.com/storage/smis.html>.
2. Scroll down to the HP StorageWorks XP disk array bullet, and click the **Click here** link.
3. Click the link for the applicable operating system.
4. Click the **Download** button in the row that represents the 2.1B version of the SMI-S XP patch for Command View XP to download the XP SMI-S provider patch and installation instructions.
5. Follow the instructions to install the XP SMI-S provider patch.
6. To ensure that the provider has adequate memory in case of heavy use, open the file `\Program Files\Hewlett-Packard\SMI-S\cimom\cim.properties`, and modify the `MAX_MEMORY_USAGE` line as follows: `MAX_MEMORY_USAGE=256`.

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### NOTE:

The Service Location Protocol (SLP), which optimizes discovery in HP SIM, is automatically installed and started when version 2.1B of the XP SMI-S provider is installed.

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## Limitations

- HP SIM may experience a slight delay in discovering the XP arrays while the SMI-S provider gathers information from the arrays for the first time.
- Installing more than one SMI-S array provider on the same host is not recommended. For example, do not install the XP and EVA providers on the same host.

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## Obtaining documentation

Documentation for Command View XP is available at [http://h20000.www2.hp.com/bizsupport/TechSupport/DocumentIndex.jsp?contentType=SupportManual&locale=en\\_US&docIndexId=179166&taskId=101&prodTypeId=12169&prodSeriesId=64820](http://h20000.www2.hp.com/bizsupport/TechSupport/DocumentIndex.jsp?contentType=SupportManual&locale=en_US&docIndexId=179166&taskId=101&prodTypeId=12169&prodSeriesId=64820).

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## Links

- HP Systems Insight Manager 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 and HP SE SMI-S provider information: <http://h18006.www1.hp.com/storage/smisproviders.html>