



Hewlett Packard
Enterprise

HPE Storage Optimizer

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Support Matrix

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Requirements

This section provides information about the supported hardware and software that you must have to successfully install and run HPE Storage Optimizer 5.5.

Hardware

Minimum hardware requirements - ControlPoint database server

Component	Requirement
Processors	<ul style="list-style-type: none"> • 64-bit environment <ul style="list-style-type: none"> ◦ Server class processors with 16 cores, with speeds of 2.5 GHz or better (minimum)
Memory	<ul style="list-style-type: none"> • 64-bit environment <ul style="list-style-type: none"> ◦ 32-GB RAM as a minimum, especially for the server hosting the HPE Storage Optimizer databases.
Storage	Your particular scale requirements depend on many factors including data sizes, usage patterns, infrastructure and so on. To achieve scale requirements for your Storage Optimizer environment, contact your HPE Professional Services representative.
Dedicated hard drives for databases	<p>Due to high disk usage of the ControlPointMetaStore and tempdb databases, HPE recommends that you allocate these databases their own dedicated hard drive during installation.</p> <p>HPE recommends the use of the fastest, performance-quality drives with the best I/O bandwidths available. For more information, contact your HPE Professional Services representative.</p> <p>The volumes you use for the ControlPoint database files must be local to the server where SQL Server is installed. This is a SQL Server requirement.</p>

Minimum hardware requirements - other Storage Optimizer servers

Component	Requirement
Processors	<ul style="list-style-type: none"> • 64-bit environment <ul style="list-style-type: none"> ◦ Server class processors with 16 cores, with speeds of 2.5 GHz or more (minimum)
Memory	<ul style="list-style-type: none"> • 64-bit environment <ul style="list-style-type: none"> ◦ 32-GB RAM as a minimum, especially for the server hosting the HPE Storage Optimizer databases.
Network interface card	1 Gbps

Operating system

HPE Storage Optimizer 5.5 runs on the following operating systems:

Application	Requirements
Operating system	<ul style="list-style-type: none"> Windows Server 2012 R2 <p>NOTE: HPE Storage Optimizer versions 4.5 and later support Windows Server 2012 R2.</p> <ul style="list-style-type: none"> Windows Server 2012 Windows Server 2008 R2 <p>For more information, see your Windows Server documentation.</p>
Windows 2012	<p>On Windows Server 2012, enable Windows Communication Foundation (WCF) Services HTTP Activation.</p> <p>For more information, see your Microsoft Windows Server 2012 documentation.</p>
Internet Information Server (IIS)	<ul style="list-style-type: none"> IIS 8.5 on Windows Server 2012 R2 IIS 8.0 on Windows Server 2012 IIS 7.5 on Windows Server 2008 R2 <p>NOTE: On Microsoft Windows Server 2008 R2, add the Windows Authentication Role, which is not installed by default. For more information, see your Windows Server documentation.</p>
IIS	<p>In IIS, when configuring the Web Server (IIS) role for the HPE Storage Optimizer Administration Console, activate the following features:</p> <ul style="list-style-type: none"> Common HTTP Features, including Static Content.
Microsoft .NET Framework	Version 4.5 and later.
Internet Explorer	Version 9 or later, installed on servers with HPE Storage Optimizer Data Analysis and IIS.

Databases

Application	Requirements
SQL Server	<p>SQL Server must be accessible from the HPE Storage Optimizer server.</p> <ul style="list-style-type: none"> SQL Server 2016 Enterprise or Standard, service pack 1 and later

Application	Requirements
	<ul style="list-style-type: none"> • SQL Server 2014 Enterprise or Standard, service pack 2 and later. • SQL Server 2012 Enterprise or Standard, service pack 3 and later • Ensure that SQL Server Native Client is installed. <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>NOTE: To gain the best performance, HPE recommends that you do not install any other HPE Storage Optimizer components on the SQL Server.</p> <p>If you are deploying the HPE Storage Optimizer databases to a server hosting other HPE Storage Optimizer components, such as connectors, configure SQL Server to limit the resources it consumes.</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>NOTE: For large-scale deployments, use Enterprise Edition of SQL Server, as it enables you to split the tables on different files and optimizes the performance.</p> <p>For Reporting Services, you can use the Standard or Enterprise edition of SQL Server.</p> </div>
SQL Server service packs and updates	For each version and edition of SQL Server, you need to apply all currently-available and pushed updates (critical updates and publicly-pushed individual updates) from Windows Update.
SQL Permissions	<p>The user account that deploys or upgrades the ControlPoint databases must have permissions equivalent to the sysadmin default SQL login role.</p> <p>This includes the permission to add, delete and modify jobs SQL Agent jobs, which requires access to the msdb. It also includes permission to examine database and filegroup structures, adding new ones as appropriate.</p> <p>After deployment, the permissions of the SQL login account may be then reduced. The minimum required permissions for each of the ControlPoint databases' user is db_owner.</p>
SQL Server Agent service	The SQL Server Agent service must be set to start automatically, and the service must be running.
SQL Server Reporting Services	For Reporting Services, you can use the Standard or Enterprise edition of SQL Server.
Read/write permissions on database file paths	<p>The desired paths to place the database file groups must be granted read and write permission appropriately.</p> <p>For more information, see the <i>HPE Storage Optimizer Installation Guide</i>.</p>

Compatibility

HPE Storage Optimizer and HPE IDOL mapping

Component	Version	Operating System
Distributed Connector	10.8.1	Windows, Linux, Solaris
Edge FileSystem Connector	11.2	Windows, RHEL, Suse
Exchange Connector	10.11	Windows
File System Connector	11.2	Windows ¹
Hadoop Connector	10.10	Windows, RHEL, Suse, Solaris
HPE IDOL Server	11.2	Windows, Linux, Solaris
Omni Group Server	10.8	Windows
MetaStore	11.2	Windows
Sharepoint Connector 2007	10.10	Windows
Sharepoint Connector 2010	10.10	Windows
Sharepoint Connector 2013	10.10	Windows
Sharepoint Connector Remote ²	11.1	Windows

¹Support includes file shares on: CIFS and NFS on NetApp storage, and NTFS.

²Support includes SharePoint 2016.

Connectors

HPE Storage Optimizer connectors

This section describes the installation requirements for the HPE Storage Optimizer connectors using deployment packages.

For more information on building the HPE Storage Optimizer connector deployment packages, see the *HPE Storage Optimizer Installation Guide*.

Prerequisite software

The following products must be installed on the target servers:

- Microsoft Visual C++ 2005 Redistributable Package
- Microsoft Visual C++ 2010 Redistributable Package

- Microsoft Visual C++ 2013 Redistributable Package
- SQL Native Client

The required prerequisite packages are included in the `vc_redist` and `sqlNativeClient` subdirectories under the deployment package location.

HPE IDOL license key

To use HPE IDOL, you must have a valid license key file for the products that you want to use. Contact HPE Support to request a license file for your installation.

The HPE IDOL license key file must be copied to the HPE IDOL License Server.

HPE Storage Optimizer Edge Filesystem connector

This section provides information on installing the HPE Storage Optimizer Edge Filesystem connector. The Edge Filesystem connector is used to run Archive policies on documents and files held in Windows and Linux file shares.

Prerequisites for the HPE Storage Optimizer Edge Filesystem connector

Component	Description
Platform	Windows: <ul style="list-style-type: none">• Windows 2012 R2 Server or later.• Windows 2016 Server or later. Linux: <ul style="list-style-type: none">• RHEL 7.1• SUSE 12
HPE Storage Optimizer	Installed and ready to use.

Web browsers and plug-ins

One of the following supported web browsers is required to run HPE Storage Optimizer 5.5:

- Internet Explorer 9 or later
- Google Chrome 41 or later

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