HP Vertica Analytics Platform 6.1.x

Supported Platforms

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Date of Publication: September 6, 2013

Vertica 6.1.x Supported Platforms

This document details platform support for the various components of the Vertica 6.1.x product. It contains these sections:

- Vertica 6.1.x server and Vertica 6.1.x Management Console
- Vertica 6.1.x client drivers
- Vertica vsql client
- Perl and Python requirements for Vertica 6.1.x
- Packs, plug-ins, and connectors for the Vertica server
- Packs, plug-ins, and connectors for Vertica client machines
- Vertica 6.1.x on Amazon Web Services (AWS)
- End of Support Notices

Vertica 6.1.x Server and Vertica 6.1.x Management Console

Supported operating systems

On x86_64 and amd64 architectures:

- Red Hat Enterprise Linux 5 and 6
- SUSE Linux Enterprise Server 10* and 11
- Oracle Enterprise Linux 6 (Red Hat Compatible Kernel only)
- Debian Linux 5* and 6
- CentOS 5 and 6

*HP is phasing out support for HP Vertica on these operating systems. See End of Support Notices for more information.

Supported file systems

Vertica Analytics Database has been extensively tested on all supported Linux platforms running ext3 or ext4 file systems. While other file systems have been successfully deployed by some customers, HP Vertica cannot guarantee performance or stability of the product on these file systems. In certain support situations, you may be asked to migrate off of these untested file systems to help you troubleshoot or fix an issue. In particular, several file corruption issues have been linked to the use of XFS with Vertica; we strongly recommend not using it in production.

Note that Vertica 6.1.x does not support Linux Logical Volume Manager (LVM).

Vertica 6.1.x Management Console: Supported browsers

- Internet Explorer 9
- Firefox 15 and later
- Google Chrome 11 and later

Vertica Server and Vertica Management Console compatibility

Each version of Vertica Management Console is compatible only with the matching version of the Vertica server. For example, Vertica 6.1.0 Server is supported with Vertica 6.1.0 Management console only.

Vertica 6.1.x client drivers

Vertica provides JDBC, ODBC, and ADO.NET client drivers. You can choose to download:

- **Client packages**: All client packages contain the ODBC driver, the JDBC driver, and the Vertica vsql client software for the specified operating system. 64-Bit packages contain both 64-Bit and 32-Bit installers. (The ADO.NET driver is not available in a client package.)
- **Individual drivers:** You can download Vertica ODBC, JDBC, and ADO.NET drivers individually.

See Vertica Driver/Server compatibility to see which server versions are compatible with Vertica 6.1.x drivers.

Vertica 6.1.x ADO.NET driver

The Vertica 6.1.x ADO.NET driver is supported on the following platforms:

Operating System	Processor	.NET Requirements
Microsoft Windows ▪ XP Professional* ▪ Windows 2003 & 2003 R2 all variants ▪ Windows 2008 & 2008 R2 all variants ▪ Windows 7 all variants	x86, x64	Microsoft .NET Framework 3.5 or later

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Vertica 6.1.x JDBC drivers

All JDBC drivers are supported on any Java 5-compliant platform.

Vertica 6.1.x ODBC drivers

Vertica provides both 32-bit and 64-bit ODBC drivers. Vertica 6.1.x ODBC drivers are supported on the following platforms:

Operating System	Processor	Driver Manager
Microsoft Windows ▪ XP Professional* ▪ Windows 2003 & 2003 R2 all variants ▪ Windows 2008 & 2008 R2 all variants ▪ Windows 7 all variants	x86, x64	Microsoft ODBC MDAC 2.8
Red Hat Enterprise Linux 5	x86, x64, IA64	▪ iODBC 3.52.6 or later ▪ unixODBC 2.2.14 or later (2.3 recommended) ▪ DataDirect 5.3 and 6.1 or later
Red Hat Enterprise Linux 6	x86, x64	
SUSE Linux Enterprise 10, 11	x86, x64	
Oracle Enterprise Linux 6 (Red Hat compatible Kernel only)	x86, x64	
CentOS 5	x86, x64, IA64	
CentOS 6	x86, x64	
Solaris 10	x86, x64, SPARC	
AIX 5.3, 6.1	PowerPC	
HPUX 11i V3	IA32, IA64	
Mac OS X 10.6, 10.7	x86, x64	Mac OS X Driver Manager (iODBC)

*HP is phasing out support for HP Vertica on these operating systems. See End of Support Notices for more information.

Vertica driver/server compatibility

The following table indicates the Vertica driver versions that are supported by different Vertica server versions. The checkmark in each column indicates compatibility between versions.

		Vertica Server Versions			
		5.0.x	5.1.x	6.0.x	6.1.x
Vertica Driver Versions	4.1.x	✓	✓	✓	✓
	5.1.x		✓	✓	✓
	6.0.x			✓	✓
	6.1.x				✓

Note: HP Vertica supports the 4.1.x drivers on a limited basis only through the end-of-life for version 5.0.x. Vertica will stop supporting these drivers when the next major version of Vertica is released.

Vertica 6.1.x vsql client

The Vertica vsql Client provided in all client packages only (you cannot download vsql separately). The vsql client is supported on the following platforms:

Operating System	Processor
Microsoft Windows ▪ XP Professional* ▪ Windows 2003 & 2003 R2 all variants ▪ Windows 2008 & 2008 R2 all variants ▪ Windows 7 all variants	x86, x64
Red Hat Enterprise Linux 5	x86, x64, IA64
Red Hat Enterprise Linux 6	x86, x64
SUSE Linux Enterprise 10, 11	x86, x64
Oracle Enterprise Linux 6 (Red Hat compatible Kernel only)	x86, x64
CentOS 5	x86, x64, IA64
CentOS 6	x86, x64
Solaris 10	x86, x64, SPARC
AIX 5.3, 6.1	PowerPC
HPUX 11i V3	IA32, IA64
Mac OS X 10.6, 10.7	x86, x64

*HP is phasing out support for HP Vertica on these operating systems. See End of Support Notices for more information.

Perl and Python requirements for HP Vertica 6.1.x

You can use Vertica's ODBC driver to connect applications written in Perl or Python to the Vertica database.

Perl

To use Perl with HP Vertica, you must install the Perl driver modules (DBI and DBD::ODBC) and a Vertica ODBC driver on the machine where Perl is installed. The following table lists the Perl versions supported with Vertica 6.1.x.

Perl Version	Perl Driver Modules	ODBC Requirements
▪ 5.8 ▪ 5.10	▪ DBI driver version 1.609 ▪ DBD::ODBC version 1.22	See Vertica ODBC drivers table

Python

To use Python with HP Vertica, you must install the pyodbc module and a Vertica ODBC driver on the machine where Python is installed. The following table lists the Python versions supported with HP Vertica 6.1.x.

Python Version	Python Driver Module	ODBC Requirements
▪ 2.4.6 ▪ 2.5.4 ▪ 2.6.2	pyodbc 2.1.6	See Vertica ODBC drivers table

Packs, plug-ins, and connectors for the HP Vertica server

Vertica provides the following optional modules for the Vertica server:

Vertica 6.1.x R Language Pack

Available with Vertica 6.1, the Vertica R Language Pack provides version 2.14.0 of the R runtime and associated libraries for interfacing with Vertica. You install the R Language Pack on the Vertica server.

Vertica 6.1.x HDFS Connectors

Vertica provides two HDFS Connectors. Both connect to the Hadoop file system using WebHDFS, a built-in component of HDFS that provides access to HDFS files to applications outside of Hadoop. HP Vertica 6.1 SP3 introduced the HP Vertica Kerberized HDFS Connector, which allows you to connect using Kerberos authentication.

You install both Vertica 6.1.x HDFS Connectors on the Vertica server. The Vertica 6.1.x HDFS connectors have been tested with these Hadoop distributions:

	HP Vertica HDFS Connector	HP Vertica Kerberized HDFS Connector
Apache Hadoop Versions	Hadoop 1.0.0	N/A
Cloudera Distribution Versions	Cloudera CDH4	N/A
Hortonworks Data Platform Versions	Hortonworks Data Platform (HDP) 1.1.1	Hortonworks Data Platform (HDP) 1.1.1

Packs, plug-ins, and connectors for HP Vertica client machines

Vertica provides the following optional modules for Vertica client machines:

Vertica plug-in for Informatica PowerCenter

The HP Vertica plug-in for Informatica PowerCenter is supported on the following platforms:

Plug-in Version	Operating System	PowerCenter Version
▪ 4.1.14 ▪ 4.1.21	Microsoft Windows ▪ XP Professional* ▪ Windows 2003 & 2003 R2 all variants ▪ Windows 2008 & 2008 R2 all variants ▪ Windows 7 all variants	▪ 8.6.1 ▪ 9.0.1
	Red Hat Enterprise Linux 5	
	Solaris 10, 32-bit	

*HP is phasing out support for HP Vertica on these operating systems. See End of Support Notices for more information.

Vertica Microsoft Connectivity Pack

The HP Vertica Microsoft Connectivity Pack is supported on the following platforms:

Operating System	Processor	.NET Requirements	Visual Studio Requirements	SQL Server Requirements
Microsoft Windows ▪ XP Professional* ▪ Windows 2003 & 2003 R2 all variants ▪ Windows 2008 & 2008 R2 all variants ▪ Windows 7 all variants	x86, x64	Microsoft .NET Framework 3.5 or later	▪ Visual Studio 2008 ▪ Visual Studio 2008 SDK	SQL Server 2008: ▪ R2 ▪ SP2 ▪ R2 & SP2

*HP is phasing out support for HP Vertica on these operating systems. See End of Support Notices for more information.

Vertica 6.1.x Hadoop Connector

Vertica provides two different Hadoop Connectors: one for Hadoop 1.0.0 and earlier versions, and the other for Hadoop 2.0.0. The table below details supported software versions.

	Vertica Hadoop Connector for Hadoop 1.0.0 and earlier	Vertica Hadoop Connector for Hadoop 2.0.0
Apache Hadoop and Pig Combinations	• Hadoop 0.20.2 ad Pig 0.7.0 • Hadoop 0.20.205.0 and Pig 0.9.1 • Hadoop 1.0.0 and Pig 0.9.2	Hadoop 2.0.0 and Pig 0.10.0
Cloudera Distribution Versions	Cloudera CDH3	Cloudera CDH4
Hortonworks Data Platform Versions	Hortonworks Data Platform (HDP) 1.1.1	N/A
MapR	MapR M5 Edition	N/A

HP Vertica 6.1.x on Amazon Web Services (AWS)

In HP Vertica 6.1, Vertica has released a new, preconfigured AMI for users who want to run HP Vertica on Amazon Web Services (AWS). For release 6.1 and later, this Vertica-supplied AMI is the officially supported version of HP Vertica for AWS. (If you are running a previous version of Vertica on a custom AMI, see the table below for available support.)

Note: Starting with HP Vertica 6.1.2, you can run both the HP Vertica Community Edition and the Vertica Management Console in an Amazon Web Services configuration.

All new HP Vertica 6.1.x AWS customers

All customers who have never deployed HP Vertica on AWS should choose the preconfigured HP Vertica 6.1 AMI for Amazon AWS. The HP Vertica 6.1 AMI has been configured for and tested on AWS and is Vertica's officially supported and recommended version.

Customers with legacy versions on custom AMIs

The following table describes recommended actions for customers who are already running pre-6.1 versions of HP Vertica on custom AMIs. The table also describes Vertica's support policy for legacy systems.

Customers using custom AMIs who…	…should take this action:	Support policy
…want to move to HP Vertica 6.1	Migrate to the officially-supported HP Vertica 6.1 AMI. Vertica does NOT recommend upgrading your Vertica version on your custom AMI.	HP Vertica provides full support for the pre-configured HP Vertica 6.1 AMI.
…want to move to HP Vertica 6.1, but feel the HP Vertica 6.1 AMI does not meet their needs	Contact Technical Support. Our support team will gather AMI requirements and submit these in a new feature request to the Vertica product team.	Should these customers decide to upgrade their Vertica version to HP Vertica Version 6.1 on a custom AMI, HP Vertica will provide support for a period of 1 year from the release of HP Vertica 6.1.0
…want to remain on their current version	No action	HP Vertica will support existing pre-6.1 Vertica databases on custom-AMIs for a period of 1 year from the release of HP Vertica 6.1.0.

End of Support Notices

HP is in the process of phasing out support for HP Vertica running on the following operating systems:

HP Vertica Server	HP Vertica Client Drivers, Packs, and Plugins
• Debian Linux 5 • SUSE Linux Enterprise Server 10	Microsoft Windows XP

HP Vertica 6.0 and 6.1 service packs will continue to be released on these operating systems. However, HP will no longer release new minor versions of HP Vertica (6.x) on these operating systems. In addition, HP Vertica's next major release will not be supported on these operating systems, regardless of its release date.

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