

Symantec ApplicationHA- What's new in this release

Windows on VMware

6.1

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Symantec Technical Support maintains support centers globally. Technical Support's primary role is to respond to specific queries about product features and functionality. The Technical Support group also creates content for our online Knowledge Base. The Technical Support group works collaboratively with the other functional areas within Symantec to answer your questions in a timely fashion. For example, the Technical Support group works with Product Engineering and Symantec Security Response to provide alerting services and virus definition updates.

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For information about Symantec's support offerings, you can visit our website at the following URL:

www.symantec.com/business/support/index.jsp

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www.symantec.com/business/support/contact_techsupp_static.jsp

Before contacting Technical Support, make sure you have satisfied the system requirements that are listed in your product documentation. Also, you should be at the computer on which the problem occurred, in case it is necessary to replicate the problem.

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- Product release level
- Hardware information

- Available memory, disk space, and NIC information
- Operating system
- Version and patch level
- Network topology
- Router, gateway, and IP address information
- Problem description:
 - Error messages and log files
 - Troubleshooting that was performed before contacting Symantec
 - Recent software configuration changes and network changes

Licensing and registration

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www.symantec.com/business/support/

Customer service

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www.symantec.com/business/support/

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- Latest information about product updates and upgrades
- Information about upgrade assurance and support contracts
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- Nontechnical presales questions
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If you want to contact Symantec regarding an existing support agreement, please contact the support agreement administration team for your region as follows:

Asia-Pacific and Japan customercare_apac@symantec.com

Europe, Middle-East, and Africa semea@symantec.com

North America and Latin America [supportolutions@symantec.com](mailto:supportsolutions@symantec.com)

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What's new in this release

This document includes the following topics:

- [Introduction](#)
- [What's new](#)
- [No longer supported](#)

Introduction

This document provides important information about Symantec ApplicationHA 6.1. Review this entire document before you install or upgrade ApplicationHA.

You can download the latest version of this document from the Symantec Operations Readiness Tools (SORT) website here:

<https://sort.symantec.com>

The information in the Release Notes supersedes the information provided in the product documents for ApplicationHA.

For the latest patches available for this release, go to:

<https://sort.symantec.com/patch/matrix>.

What's new

The enhancements in this release of Symantec ApplicationHA are as follows:

Support for Windows Server 2012 and Windows Server 2012 R2

With this release, ApplicationHA provides support for Windows Server 2012 and Windows Server 2012 R2.

You can now install ApplicationHA, Symantec High Availability Console, and configure application monitoring on systems running Windows Server 2012 and Windows Server 2012 R2.

Added support for new applications

With this release, ApplicationHA provides support for the following applications:

- SQL Server 2012
- Oracle 12c
- IIS 8.0

Change of packaging in the ApplicationHA 6.1 installation media

With this release, Symantec ApplicationHA is packaged along with the Storage Foundation and High Availability (SFHA) 6.1 installation media. This change eliminates the need to download and manage separate installation media for ApplicationHA.

The CD browser displays a separate tab for installing ApplicationHA. When you select the ApplicationHA tab, two separate links; ApplicationHA (for VMare) and ApplicationHA (for Hyper-V) are available to install ApplicationHA based on the virtualization environment.

Added support for VMware versions

The following VMware versions are now supported:

- vSphere Client 5.0 Update 1 a/b, 5.1, 5.5
- vCenter Server 5.0 Update 1 a/b, 5.1, and 5.5
- VMware ESXi Server 5.0 Patch 4, 5.1, and 5.5
- VMware SRM Server 5.1, and 5.5

ApplicationHA licensing

Symantec ApplicationHA is a licensed product. Licensing for Symantec ApplicationHA is based on the server operating systems in use.

During installation, the product installer provides the following options to specify the license details.

- Keyless

A keyless license installs the embedded keys. You can use the keyless license for 60 days.

If you install the product using the keyless option, a message is logged everyday in the Event Viewer indicating that you must perform any one of the following tasks, within 60 days of product installation. Failing this, a non-compliance error is logged every four hours.

- Add the system as a managed host to a Veritas Operations Manager (VOM) Management Server.
For more details, refer to the VOM documentation.
- Add an appropriate and valid license key on this system using the Symantec product installer from Windows Add or Remove Programs.
- User Entered Key
In case of an User Entered Key license, you must procure an appropriate license key from the Symantec license certificate and portal. The User Entered Key license allows you to use the product options based on the license key you enter.
<https://licensing.symantec.com/>

Note: Evaluation licenses are now deprecated.

Instantaneous fault detection using Intelligent Monitoring Framework (IMF)

ApplicationHA introduces Intelligent Monitoring Framework (IMF) that uses an event-driven design for monitoring the configured application. IMF is asynchronous and provides instantaneous resource state change notifications. This significantly improves the fault detection capability allowing ApplicationHA to take corrective actions faster. IMF works in addition to the poll-based monitoring.

All the ApplicationHA agents are IMF enabled. You can disable IMF if you do not want an event-driven monitoring.

The benefits of intelligent monitoring over poll-based monitoring are as follows:

- Instantaneous notification
Faster notification of resource state changes result in improved service group failover times.
- Reduction in system resource utilization
Reduced CPU utilization by ApplicationHA agent processes when number of application components being monitored is high. This provides significant performance benefits in terms of system resource utilization.

- Ability to monitor large number of resources
With reduced CPU consumption, IMF enables ApplicationHA to effectively monitor a large number of components.

Support for monitoring nested mount points

If the application data is stored on nested mount points, then it is required to set the dependency between these mount points. This enables ApplicationHA to monitor all the nested mount points.

A MountDependsOn attribute is now added to the MountMonitor agent. This attribute defines the dependency between the nested mount points.

If this attribute is not configured, then ApplicationHA monitors only the last mount point.

The value of this attribute must be specified as a key-value pair.

Where,

Key= mount path

Value= volume name

Support for 64-bit platforms only

With this release, ApplicationHA provides supports for 64-bit platforms only.

Both, the OS and the application installation must be 64-bit.

No longer supported

Support for the following features, terms, components, or operating systems is discontinued in release 6.1:

- Veritas Operations Manager 5.0 or earlier
- Veritas Operations Manager Add-on for ApplicationHA management
- VMware Site Recovery Manager (SRM) 4.1
- Symantec ApplicationHA components for VMware SRM Server
To configure application monitoring continuity in VMware SRM environment, you now do not need to install Symantec ApplicationHA components for VMware SRM Server.
- Symantec ApplicationHA Console is replaced by the Symantec High Availability Console

- Symantec ApplicationHA tab is replaced by the Symantec High Availability tab. Symantec ApplicationHA Dashboard is replaced by Symantec High Availability Dashboard
- Embedded evaluation license keys
- SQL Server 2005
- Exchange 2007
- Windows Server 2003 and Windows Server 2008
You cannot install ApplicationHA and configure application monitoring on systems running Windows Server 2003 and Windows Server 2008.
- 32-bit architecture (OS and application installations)
You cannot install ApplicationHA and configure application monitoring on 32-bit systems.