

Symantec™ ApplicationHA Getting Started Guide

Solaris on Oracle VM Server for SPARC,
and AIX on IBM PowerVM

6.0

Symantec™ ApplicationHA Getting Started Guide

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

North America and Latin America supportsolutions@symantec.com

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doc_feedback@symantec.com

About Symantec Connect

Symantec Connect is the peer-to-peer technical community site for Symantec's enterprise customers. Participants can connect and share information with other product users, including creating forum posts, articles, videos, downloads, blogs and suggesting ideas, as well as interact with Symantec product teams and Technical Support. Content is rated by the community, and members receive reward points for their contributions.

<http://www.symantec.com/connect/storage-management>

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Symantec ApplicationHA for Solaris on Oracle VM Server for SPARC

This chapter includes the following topics:

- [What is Symantec ApplicationHA](#)
- [Symantec ApplicationHA agents](#)
- [About Symantec ApplicationHA licensing](#)
- [Getting started with ApplicationHA](#)
- [Software disc contents for Oracle VM Server for SPARC](#)
- [Documentation](#)

What is Symantec ApplicationHA

Symantec™ ApplicationHA provides monitoring capabilities for applications running inside guest domains in the Oracle VM Server for SPARC virtualization environment. Symantec ApplicationHA adds a layer of application awareness to the core high availability (HA) functionality offered by Veritas™ Cluster Server (VCS) in the control domain.

Symantec ApplicationHA is based on Veritas™ Cluster Server by Symantec (VCS), and uses similar concepts such as agents, resources, and service groups. However, Symantec ApplicationHA has a lightweight server footprint that allows faster installation and configuration in virtualization environments.

Key benefits include the following:

- Out of the box integration with VCS.
- Full visibility and control over applications, including the ability to start, stop, and monitor applications running inside guest domains.
- High availability of the application as well as the virtual machine on which the application runs.
- Graded application fault-management responses such as:-
 - Application restart
 - ApplicationHA-initiated, internal reboot, or soft reboot of a virtual system
 - VCS-initiated, external reboot or hard reboot of a virtual system
 - Failover of the virtual system to another VCS node.
- Standardized way to manage applications using a single interface that is integrated with the Veritas Operations Manager (VOM).
- Specialized Application Maintenance mode, in which ApplicationHA lets you intentionally take an application out of its purview for maintenance or troubleshooting.

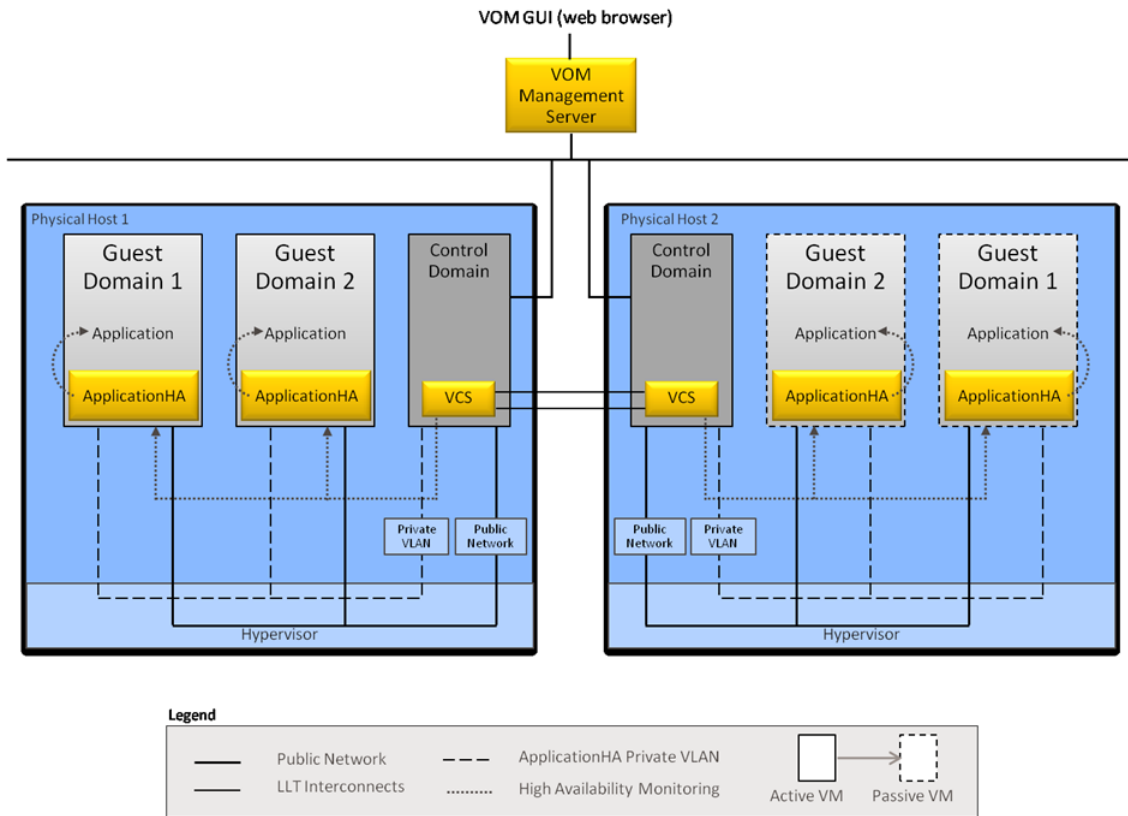
How ApplicationHA is deployed in an Oracle VM Server for SPARC environment

Oracle VM Server for SPARC is a virtualization and partitioning solution supported on Oracle Solaris CoolThreads technology-based servers. Oracle VM Server for SPARC lets you create multiple virtual systems called logical domains, on a single physical host.

ApplicationHA provides high availability of applications running on logical domains. Veritas Cluster Server (VCS) provides high availability of the logical domains that run on the physical host.

When you install the Oracle VM Server for SPARC software, the first logical domain that you create in a physical host is the control domain. For the other logical domains on the same physical host, this document uses the term “guest domains”.

The following figure illustrates how ApplicationHA and VCS are deployed in a typical Oracle VM Server for SPARC virtualization environment.



ApplicationHA is installed on the guest domains, and provides high availability to a configured application running on the guest domain. VCS is installed on the control domain, as part of a Storage Foundation Cluster File Server High Availability (SFCFSHA) stack installation. VCS provides high availability to the guest domain where the configured application runs.

You must enable VCS to support ApplicationHA to ensure application-aware monitoring of guest domains.

For more information on enabling VCS support for ApplicationHA, see the *Symantec ApplicationHA User's Guide*

When you enable VCS to support ApplicationHA, a private VLAN is created between monitored guest domains and the VCS node (control domain). The private VLAN facilitates heartbeat communication between VCS in the control domain and ApplicationHA in the guest domains.

Veritas Operations Manager (VOM) provides you with a centralized management console (GUI) to administer application monitoring with ApplicationHA.

For more information on how VCS monitors guest domains for high availability, see the *SFHA Virtualization Solutions Guide for Solaris*.

Symantec ApplicationHA agents

Agents are application-specific modules that plug into the ApplicationHA framework that manages applications and resources of predefined resource types configured for applications and components on a system. The agents are installed when you install Symantec ApplicationHA guest components. These agents start, stop, and monitor the resources configured for the applications and report state changes. If an application or its components fail, ApplicationHA restarts the application and its resources on a virtual system.

Symantec ApplicationHA agents are classified as follows:

- Infrastructure agents

Agents such as NIC, IP, and Mount are classified as infrastructure agents. Infrastructure agents are automatically installed as part of an ApplicationHA installation on guest domains.

For more details about the infrastructure agents, refer to the operating system-specific *Veritas Cluster Server 6.0 Bundled Agents Reference Guide*.

- Application agents

Application agents are used to monitor third party applications such as Oracle. These agents are packaged separately and are available in the form of an agent pack that gets installed when you install Symantec ApplicationHA guest components.

The ApplicationHA agent pack is released on a quarterly basis. The agent pack includes support for new applications, as well as fixes and enhancements to existing agents. You can install the agent pack on an existing ApplicationHA guest components installation.

Refer to the Symantec Operations Readiness Tools (SORT) Web site for information on the latest agent pack availability.

<https://sort.symantec.com/agents>

Refer to the agent-specific configuration guide for more details about the application agents.

About Symantec ApplicationHA licensing

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

An evaluation license key is embedded in the product. This license key is valid only for a period of two months. When you install ApplicationHA for the first time, you can use the embedded license key or procure a permanent license key and enter the same while installing the product.

You can add or view the license keys from a guest domain that has ApplicationHA guest components installed. You can add a license key through the command line or the ApplicationHA tab.

For more information, see the *Symantec ApplicationHA User's Guide*.

Getting started with ApplicationHA

There are two sets of steps that you can use to get started with ApplicationHA. To monitor high availability of an application running on a guest domain:

See [“Ensuring high availability of applications”](#) on page 13.

To monitor the high availability of the application as well as the virtualization infrastructure on which the guest domain runs.



















See [“Ensuring high availability of virtualization infrastructure”](#) on page 15.

Ensuring high availability of applications

You can ensure high availability of applications running inside guest domains by using ApplicationHA. To provide high availability to the applications, perform the following steps:

- Install Veritas Operations Manager Add-on for ApplicationHA Management on the VOM Management Server.
- Install ApplicationHA on the guest domain.
- Add the guest domain as a managed host to Veritas Operations Manager (VOM).
- Configure application monitoring on the guest domain.

The following figure illustrates the workflow for ensuring high availability of applications with ApplicationHA. The figure also indicates the corresponding document that you must refer for detailed instructions at each step.















1.  **Install VOM Management Server 4.1.**

 Refer VOM Installation Guide
2.  **Install VOM Add-on for ApplicationHA on VOM Management Server.**

 Refer ApplicationHA Installation Guide
3.  **Install ApplicationHA 6.0 on the guest domains.**

 Refer ApplicationHA Installation Guide
4.  **Add guest domains and control domains as managed hosts to VOM.**

 Refer ApplicationHA User's Guide
5.  **Configure application monitoring on the guest domains.**

 Refer Application specific Agent Guide
6.  **Monitor application.**

 Refer ApplicationHA User's Guide

Ensuring high availability of virtualization infrastructure

In addition to high availability of applications using ApplicationHA, you can also ensure high availability of the virtualization infrastructure with VCS. By using VCS, you can externally restart guest domains and fail over the guest domains in case of application failures or guest domain failures. To ensure high availability of the virtualization environment, perform the following steps:

- Install Veritas Operations Manager Add-on for ApplicationHA Management on the VOM Management Server.
- Install SFCFS HA on the control domain.
- Enable ApplicationHA capabilities in underlying VCS in the control domain.
- Install ApplicationHA on the guest domain.
- Add guest domain and control domain as managed hosts to Veritas Operations Manager (VOM).
- Configure application monitoring on the guest domain.

The following figure illustrates the workflow for ensuring high availability of the applications running inside the guest domain and the virtualization infrastructure. The figure also indicates the corresponding documents that you must refer for detailed instructions at each step.

1.  **Install VOM Management Server 4.1.**
  Refer VOM Installation Guide
2.  **Install VOM Add-on for ApplicationHA on VOM Management Server.**
  Refer ApplicationHA Installation Guide
3.  **Install SFCFSHA 6.0 on the control domain.**
  Refer SFCFSHA Installation Guide
4.  **Set up virtualization environment on the control domain.**
  Refer SFHA Solutions Virtualization Guide
5.  **Enable VCS for ApplicationHA 6.0 on the control domain.**
  Refer ApplicationHA User's Guide
6.  **Install ApplicationHA 6.0 on the guest domains.**
  Refer ApplicationHA Installation Guide
7.  **Add guest domains and control domains as managed hosts to VOM.**
  Refer ApplicationHA User's Guide
8.  **Configure application monitoring on the guest domains.**
  Refer Application specific Agent Guide
9.  **Monitor application.**
 Refer ApplicationHA User's Guide

Software disc contents for Oracle VM Server for SPARC

The Symantec ApplicationHA media kit includes platform-specific software discs. Each disc contains the following components:

- End User License Agreement
- Installation bits for Symantec ApplicationHA Guest Components
- Installer for Symantec ApplicationHA Guest Components
- Product documentation

Note: The Unix disc contains the ApplicationHA install bits for both Oracle VM Server for SPARC and IBM PowerVM technologies. This section contains information related only to the Oracle VM Server for SPARC environment.

ApplicationHA disc directory structure

This Symantec ApplicationHA 6.0 disc contains the following directories for Solaris on Oracle VM Server for SPARC.

Operating System	Directory
Oracle Solaris 10 SPARC	sol_sparc

[Table 1-1](#) lists the directories and contents of the ApplicationHA 6.0 disc for the Oracle Solaris operating system.

Table 1-1 Directory structure for Solaris

Directory name	Description
applicationha	ApplicationHA guest components installation scripts
docs	ApplicationHA documentation
perl	Perl language binaries and library functions
pkgs	ApplicationHA packages
scripts	Scripts used by the installer

Documentation

The following sections contain important information about ApplicationHA product documentation.

Your feedback on product documentation is important to us. Send suggestions for improvements and reports on errors or omissions to the following email address:

sfha_docs@symantec.com

Finding product documentation

Product documents are in Adobe Portable Document Format (PDF) on the software discs.

To access product documentation

- ◆ Go to the `docs` subdirectory under the platform-specific directory on the ApplicationHA software disc.

All Symantec ApplicationHA product documentation is included in this location except the *Symantec ApplicationHA Getting Started Guide* and the *Symantec ApplicationHA Release Notes*. The latter two guides are under the respective directory for each operating system.

Note: Product documentation is not installed with the product. Symantec recommends that you copy the documentation to your local disc for future reference.

The latest version of the product documentation is available on the Symantec Operations Readiness Tools (SORT) Web site here:

<https://sort.symantec.com/documents>

About the guides

[Table 1-2](#) lists the titles and file names of the ApplicationHA guides.

Table 1-2 Symantec ApplicationHA Solaris on Oracle VM Server for SPARC documentation set

Document	File name	Description
<i>Symantec ApplicationHA Getting Started Guide</i>	appha_getting_started_60_unix.pdf	Provides an overview of the product and the contents of the software discs
<i>Symantec ApplicationHA Release Notes</i>	appha_release_notes_60_sol_ldom.pdf	Describes the new features and software and system requirements. This document also contains a list of limitations and issues known at the time of the release.
<i>Symantec ApplicationHA Installation Guide</i>	appha_install_60_sol_ldom.pdf	Describes the steps for installing and configuring Symantec ApplicationHA. Some of the most common troubleshooting steps are also documented in this guide.
<i>Symantec ApplicationHA User's Guide</i>	appha_userguide_60_sol_ldom.pdf	Provides information about configuring and managing Symantec ApplicationHA in Oracle VM Server for SPARC (OVM) virtualization environments. Some of the most common troubleshooting steps are also documented in the guide.
<i>Symantec ApplicationHA Agent for Oracle Configuration Guide</i>	appha_oracle_agent_60_sol_ldom.pdf	Describes how to configure application monitoring for Oracle.
<i>Symantec ApplicationHA Generic Agent Configuration Guide</i>	appha_gen_agent_60_sol_ldom.pdf	Describes how to configure application monitoring for a generic application.
<i>Symantec ApplicationHA Agent for Apache HTTP Server Configuration Guide</i>	appha_apache_agent_60_sol_ldom.pdf	Describes how to configure application monitoring for Apache HTTP Server.
<i>Veritas Operations Manager Add-on for ApplicationHA Management User's Guide</i>	This guide is not bundled in this disc. You can download it from the following site: https://sort.symantec.com/documents	Describes how to install and configure the VOM add-on for ApplicationHA.

Symantec ApplicationHA for AIX on IBM PowerVM

This chapter includes the following topics:

- [What is Symantec ApplicationHA](#)
- [Symantec ApplicationHA agents](#)
- [About Symantec ApplicationHA licensing](#)
- [Getting started with ApplicationHA](#)
- [Software disc contents for IBM PowerVM](#)
- [Documentation](#)

What is Symantec ApplicationHA

Symantec™ ApplicationHA provides monitoring capabilities for applications running inside logical partitions (LPAR) in the IBM PowerVM virtualization environment. Symantec ApplicationHA adds a layer of application awareness to the core high availability (HA) functionality offered by Veritas™ Cluster Server (VCS) in the management LPAR.

Symantec ApplicationHA is based on VCS, and uses similar concepts such as agents, resources, and service groups. However, Symantec ApplicationHA has a lightweight server footprint that allows faster installation and configuration in virtualization environments.

Key benefits include the following:

- Out of the box integration with VCS.

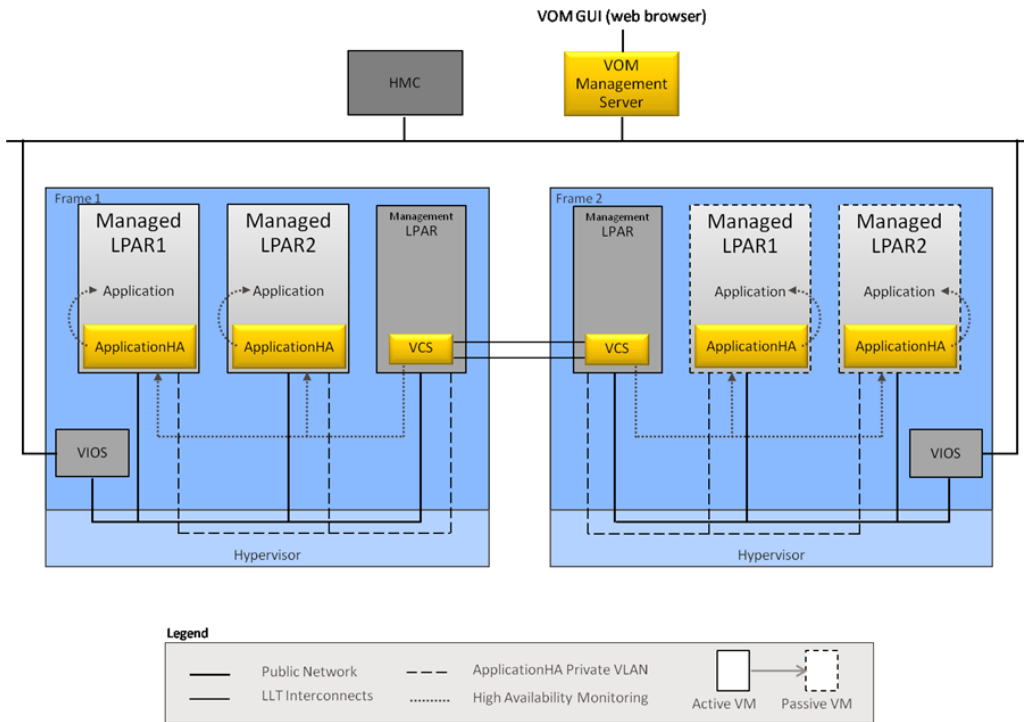
- Full visibility and control over applications, including the ability to start, stop, and monitor applications running inside guest domains.
- High availability of the application as well as the virtual machine on which the application runs.
- Graded application fault-management responses such as:
 - Application restart
 - ApplicationHA-initiated, internal reboot, or soft reboot of a virtual system
 - VCS-initiated, external reboot or hard reboot of a virtual system
 - Failover of the virtual system to another VCS node.
- Standardized way to manage applications using a single interface that is integrated with the Veritas Operations Manager (VOM) console.
- Specialized Application Maintenance mode, in which ApplicationHA lets you intentionally take an application out of its purview for maintenance or troubleshooting.

How ApplicationHA is deployed in an IBM PowerVM environment

IBM PowerVM is a virtualization and partitioning technology supported on IBM POWER-based System p servers. PowerVM technology lets you create multiple virtual systems, called logical partitions (LPARs), on a single physical frame.

ApplicationHA provides high availability of applications running on LPARs. Veritas Cluster Server (VCS) provides high availability of the logical partitions that run on the physical frame.

Figure illustrates how ApplicationHA and VCS are deployed in a typical IBM PowerVM virtualization environment.



You can use one of the LPARs to manage the other LPARs on the same physical frame. This document uses the term management LPAR for such an LPAR. The other LPARs are termed as managed LPARs.

ApplicationHA is installed on the managed LPARs, and provides high availability to a configured application running on the managed LPARs. VCS is installed on the management LPAR. VCS provides high availability to the managed LPARs where the configured application runs.

You must enable VCS to support ApplicationHA to ensure application-aware monitoring of managed LPARs.

For more information on enabling VCS support for ApplicationHA, see the *Symantec ApplicationHA User's Guide*

When you enable VCS to support ApplicationHA, a private VLAN is created between monitored managed LPARs and the VCS node (management LPAR). The private VLAN facilitates heartbeat communication between VCS in the management LPAR and ApplicationHA in the managed LPARs.

Veritas Operations Manager (VOM) provides you with a centralized management console (GUI) to administer application monitoring with ApplicationHA.

For more information on how VCS monitors guest domains for high availability, see the *SFHA Virtualization Solutions Guide for AIX*.

Symantec ApplicationHA agents

Agents are application-specific modules that plug into the ApplicationHA framework that manages applications and resources of predefined resource types configured for applications and components on a system. The agents are installed when you install Symantec ApplicationHA guest components. These agents start, stop, and monitor the resources configured for the applications and report state changes. If an application or its components fail, ApplicationHA restarts the application and its resources on a virtual system.

Symantec ApplicationHA agents are classified as follows:

- Infrastructure agents

Agents such as NIC, IP, and Mount are classified as infrastructure agents. Infrastructure agents are automatically installed as part of an ApplicationHA installation on guest domains.

For more details about the infrastructure agents, refer to the operating system-specific *Veritas Cluster Server 6.0 Bundled Agents Reference Guide*.

- Application agents

Application agents are used to monitor third party applications such as Oracle. These agents are packaged separately and are available in the form of an agent pack that gets installed when you install Symantec ApplicationHA guest components.

The ApplicationHA agent pack is released on a quarterly basis. The agent pack includes support for new applications, as well as fixes and enhancements to existing agents. You can install the agent pack on an existing ApplicationHA guest components installation.

Refer to the Symantec Operations Readiness Tools (SORT) Web site for information on the latest agent pack availability.

<https://sort.symantec.com/agents>

Refer to the agent-specific configuration guide for more details about the application agents.

About Symantec ApplicationHA licensing

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

An evaluation license key is embedded in the product. This license key is valid only for a period of two months. When you install ApplicationHA for the first time, you can use the embedded license key or procure a permanent license key and enter the same while installing the product.

You can add or view the license keys from a managed LPAR that has ApplicationHA guest components installed. You can add a license key through the command line or the ApplicationHA tab.

For more information, see the *Symantec ApplicationHA User's Guide*.

Getting started with ApplicationHA

There are two sets of steps that you can use to get started with ApplicationHA. To monitor high availability of an application running on a managed LPAR:

See [“Ensuring high availability of applications”](#) on page 25.

To monitor the high availability of the application as well as the virtualization infrastructure on which the managed LPAR runs.


















See [“Ensuring high availability of virtualization infrastructure”](#) on page 27.

Ensuring high availability of applications

You can ensure high availability of applications running inside managed LPARs by using ApplicationHA. To provide high availability to the applications, perform the following steps:

- Install Veritas Operations Manager Add-on for ApplicationHA Management on the VOM Management Server.
- Install ApplicationHA on the managed LPAR.
- Add the managed LPAR as a managed host to Veritas Operations Manager (VOM).
- Configure application monitoring on the managed LPAR.

The following figure illustrates the workflow for ensuring high availability of applications with ApplicationHA. The figure also indicates the corresponding document that you must refer for detailed instructions at each step.
























1.  **Install VOM Management Server 4.1.**

 Refer VOM Installation Guide
2.  **Install VOM Add-on for ApplicationHA on VOM Management Server.**

 Refer ApplicationHA Installation Guide
3.  **Install ApplicationHA 6.0 on the managed LPARs.**

 Refer ApplicationHA Installation Guide
4.  **Add managed LPARs, management LPARs, and HMC as managed hosts to VOM.**

 Refer ApplicationHA User's Guide
5.  **Configure application monitoring on the managed LPARs.**

 Refer Application specific Agent Guide
6.  **Monitor application.**
 Refer ApplicationHA User's Guide

Ensuring high availability of virtualization infrastructure

In addition to high availability of applications using ApplicationHA, you can also ensure high availability of the virtualization infrastructure with VCS. By using VCS, you can externally restart managed LPARs and fail over the managed LPARs in case of application failures or managed LPAR failures. To ensure high availability of the virtualization environment, perform the following steps:

- Install Veritas Operations Manager Add-on for ApplicationHA Management on the VOM Management Server.
- Install VCS in the management LPAR.
- Enable ApplicationHA capabilities in underlying VCS in the management LPAR.
- Install ApplicationHA on the managed LPAR.
- Add managed LPAR and HMC as managed hosts to Veritas Operations Manager (VOM).
- Configure application monitoring on the managed LPAR.

The following figure illustrates the workflow for ensuring high availability of the applications running inside the managed LPAR and the virtualization infrastructure. The figure also indicates the corresponding documents that you must refer for detailed instructions at each step.

1.  **Install VOM Management Server 4.1.**
  Refer VOM Installation Guide
2.  **Install VOM Add-on for ApplicationHA on VOM Management Server.**
  Refer ApplicationHA Installation Guide
3.  **Install VCS 6.0 on the management LPAR.**
  Refer VCS Installation Guide
4.  **Set up virtualization environment on the management LPAR.**
  Refer SFHA Solutions Virtualization Guide
5.  **Enable VCS for ApplicationHA 6.0 on the management LPAR.**
  Refer ApplicationHA User's Guide
6.  **Install ApplicationHA 6.0 on the managed LPARs.**
  Refer ApplicationHA Installation Guide
7.  **Add managed LPARs, management LPARs, and HMC as managed hosts to VOM.**
  Refer ApplicationHA User's Guide
8.  **Configure application monitoring on the managed LPARs.**
  Refer Application specific Agent Guide
9.  **Monitor application.**
 Refer ApplicationHA User's Guide

Software disc contents for IBM PowerVM

The Symantec ApplicationHA media kit includes platform-specific software discs. Each disc contains the following components:

- End User License Agreement
- Installation bits for Symantec ApplicationHA Guest Components
- Installer for Symantec ApplicationHA Guest Components
- Product documentation

Note: The Unix disc contains the ApplicationHA install bits for both Oracle VM Server for SPARC and IBM PowerVM technologies. This section contains information related only to the IBM PowerVM environment.

ApplicationHA disc directory structure

This Symantec ApplicationHA 6.0 disc contains the following directories.

Operating System	Directory
AIX 6.1	aix-ppc64
AIX 7.1	aix-ppc64

[Table 2-1](#) lists the directories and contents of the ApplicationHA 6.0 disc for the AIX operating system.

Table 2-1 Directory structure for AIX

Directory name	Description
applicationha	ApplicationHA guest components installation scripts
docs	ApplicationHA documentation
perl	Perl language binaries and library functions
pkgs	ApplicationHA packages
scripts	Scripts used by the installer

Documentation

The following sections contain important information about ApplicationHA product documentation.

Your feedback on product documentation is important to us. Send suggestions for improvements and reports on errors or omissions to the following email address:

sfha_docs@symantec.com

Finding product documentation

Product documents are in Adobe Portable Document Format (PDF) on the software discs.

To access product documentation

- ◆ Go to the `docs` subdirectory under the platform-specific directory on the ApplicationHA software disc.

All Symantec ApplicationHA product documentation is included in this location except the *Symantec ApplicationHA Getting Started Guide* and the *Symantec ApplicationHA Release Notes*. The latter two guides are under the respective directory for each operating system.

Note: Product documentation is not installed with the product. Symantec recommends that you copy the documentation to your local disc for future reference.

The latest version of the product documentation is available on the Symantec Operations Readiness Tools (SORT) Web site here:

<https://sort.symantec.com/documents>

About the guides

Table 2-2 lists the titles and file names of the ApplicationHA guides.

Table 2-2 Symantec ApplicationHA OperatingSystem documentation set

Document	File name	Description
<i>Symantec ApplicationHA Getting Started Guide</i>	alpha_getting_started_60_unix.pdf	Provides an overview of the product and the contents of the software discs

Table 2-2 Symantec ApplicationHA OperatingSystem documentation set
(continued)

Document	File name	Description
<i>Symantec ApplicationHA Release Notes</i>	appha_release_notes_60_aix_lpar.pdf	Describes the new features and software and system requirements. This document also contains a list of limitations and issues known at the time of the release.
<i>Symantec ApplicationHA Installation Guide</i>	appha_install_60_aix_lpar.pdf	Describes the steps for installing and configuring Symantec ApplicationHA. Some of the most common troubleshooting steps are also documented in this guide.
<i>Symantec ApplicationHA User's Guide</i>	appha_userguide_60_aix_lpar.pdf	Provides information about configuring and managing Symantec ApplicationHA in Logical Partition (LPAR) virtualization environments. Some of the most common troubleshooting steps are also documented in the guide.
<i>Symantec ApplicationHA Agent for Oracle Configuration Guide</i>	appha_oracle_agent_60_aix_lpar.pdf	Describes how to configure application monitoring for Oracle.
<i>Symantec ApplicationHA Generic Agent Configuration Guide</i>	appha_gen_agent_60_aix_lpar.pdf	Describes how to configure application monitoring for a generic application.
<i>Symantec ApplicationHA Agent for DB2 Configuration Guide</i>	appha_db2_agent_60_aix_lpar.pdf	Describes how to configure application monitoring for DB2.
<i>Symantec ApplicationHA Agent for Apache HTTP Server Configuration Guide</i>	appha_apache_agent_60_aix_lpar.pdf	Describes how to configure application monitoring for Apache HTTP Server.
<i>Veritas™ Operations Manager Add-on for ApplicationHA Management User's Guide</i>	This guide is not bundled in this disc. You can download it from the following site: https://sort.symantec.com/documents	Describes how to install and configure the VOM add-on for ApplicationHA.

