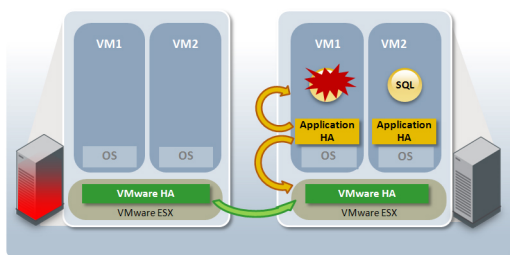


# Symantec™ ApplicationHA

Virtualize Business Critical Applications with Confidence

## Overview

As server virtualization adoption increases, IT is pressured into leveraging the benefits of virtualization on their business-critical applications; however, there are challenges with minimizing downtime associated with application failures within virtual machines. Symantec ApplicationHA addresses these challenges. ApplicationHA combines the best in class server virtualization infrastructure solution from VMware with the industry leading application high availability solution from Symantec. ApplicationHA enables administrators to safely move mission-critical applications into virtual server environments with confidence by dramatically improving application availability. Moreover, ApplicationHA is fully integrated with VMware vCenter™, helping reducing operations and training costs.



**Figure 1.** In the event an application fails inside the virtual machine, ApplicationHA will coordinate the recovery of the applications with VMware HA.

## Highlights

ApplicationHA leverages Veritas™ Cluster Server from Symantec, the market-leading, cross-platform high availability and disaster recovery solution to work in conjunction with VMware HA to provide comprehensive application availability in VMware environments. ApplicationHA and VMware HA, combined, provide protection for virtual machines as well as the applications that are running inside them. In the event an application fails inside the virtual machine, ApplicationHA coordinates the automated recovery of the application, and when

appropriate can coordinate a virtual machine reboot with VMware HA.

ApplicationHA provides visibility into applications within a virtual machine yielding the following benefits:

- **Gain visibility and control of applications inside virtual machines.** Minimize risks associated with application downtime by monitoring not only the VMs, but the applications running inside them.
- **Monitor application health and recover from application failures.** ApplicationHA monitors application services and in the event of a failure performs automated recovery steps, which may optionally include coordinating with VMware HA to restart the virtual machine.
- **Simple administration with full integration in VMware vCenter.** Reduce training costs and the need for additional tools through seamless integration with VMware vCenter.
- **Improve availability without compromising on advanced VMware functionality.** ApplicationHA is fully compatible with VMware HA including VMware vMotion™ and Distributed Resource Scheduler.
- **Centralized management across your environment.** ApplicationHA is fully integrated with Veritas™ Operations Manager allowing administrators centralized management for all applications across both physical and virtual server environments.

## Gain Visibility and Control of Applications inside Virtual Machines

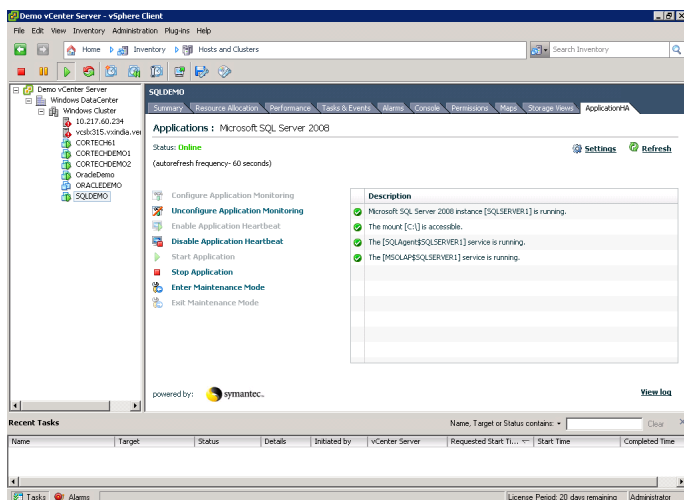
ApplicationHA provides visibility to applications running inside VMware virtual machines helping to ensure high availability of business-critical applications. Applications can be monitored directly from vCenter.

## Monitor Application Health and Recover From Application Failures

Should an application failure occur, ApplicationHA will detect the failure and coordinate automated recovery of the application. ApplicationHA monitors the health of each application component running inside VMware virtual machine. In the event an application problem is detected ApplicationHA then coordinates the automated recovery. ApplicationHA ensures availability of even the most business-critical applications running inside virtual server environments.

## Fully Integrated with VMware vCenter

ApplicationHA is fully integrated with vCenter allowing for centralized management and eliminating the need for multiple management tools. From vCenter, you can configure, monitor, and start and stop applications running inside virtual machines.



**Figure 2.** ApplicationHA is fully integrated with VMware vCenter, allowing for centralized management.

## Improve Availability without Compromising on Advanced VMware Functionality

ApplicationHA is fully compatible with common vCenter features such as vMotion and Distributed Resource Scheduler, allowing for the concurrent use of these tools, all while the application is still being monitored and protected.

User can move virtual machines without losing protection of the application.

## Centralized Management across Physical and Virtual Environments

Managing hybrid environments comprised of both virtual and physical servers can be challenging and often requires the use of multiple teams using different tools. ApplicationHA is fully integrated with Operations Manager to help you manage and control multi-tier applications across mixed environments all from a single pane of glass. Operations Manager also provides another option for managing and monitoring applications running inside VMware Virtual Machines without having to proliferate access to vCenter.

## Supported Platforms

- Red Hat® Enterprise Linux (64-bit)
- Windows® Server 2003, 2008, 2008 R2 (64-bit)

## Supported Applications (Sample)

- Windows®: SQL Server 2008, SQL Server 2008 R2, Exchange 2010, IIS, Custom Applications
- Linux®: Oracle®, SAP®, WebLogic, Custom Applications

Data Sheet: High Availability  
Symantec™ ApplicationHA

**More Information**

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