

Cluster Server Agent Pack Getting Started Guide

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Veritas Services and Operations Readiness Tools (SORT) is a website that provides information and tools to automate and simplify certain time-consuming administrative tasks. Depending on the product, SORT helps you prepare for installations and upgrades, identify risks in your datacenters, and improve operational efficiency. To see what services and tools SORT provides for your product, see the data sheet:

https://sort.veritas.com/data/support/SORT_Data_Sheet.pdf

Getting started with Cluster Server Agent Pack

This document includes the following topics:

- [Introduction](#)
- [Cluster Server agents](#)
- [Internationalization \(I18N\) support](#)
- [High availability and clustering solutions](#)
- [Additional product information](#)

Introduction

Agent Pack is the release vehicle for Cluster Server (VCS) agents and is released independently of the product release trains. Agent Pack includes the currently shipping agents for Veritas Cluster Server.

You can download the Agent Pack from the Veritas Services and Operations Readiness Tools (SORT) website, at <https://sort.veritas.com/agents>.

For VCS agents, you can download and install a specific agent tar file.

For the latest updates or software issues for the agents in this release, see the *Cluster Server Agent Pack Release Notes*.

Note: This document does not contain information about the Cluster Server agents for Microsoft applications on Windows. For information about these agents, see the *Cluster Server Agent Pack Readme*. The Readme is available on the VCS Agent Details page on SORT and also in the agent zip file.

Contact Veritas sales representative or Veritas Consulting Services for details about the agents in the Agent Pack, additional agents under development, and agents available as part of the InfoScale product.

Cluster Server agents

This section lists the Cluster Server agents and the supported applications. The agents are classified under the following categories:

- **Application agents**
These agents are responsible for making enterprise applications highly available.
- **Database agents**
These agents make the RDBMS highly available.
- **Replication agents**
These agents, when integrated with array-based data replication or software-based data replication solutions, make sure that data is available to applications in read-write mode as part of disaster recovery. This category also includes agents that are used for testing of disaster recovery, also known as disaster recovery fire drill.

In addition, an Agent Builder tool for building custom agents is available in the application agent directory for each UNIX platform.

VCS Application agents

The agents support all intermediate minor versions of the respective application. The name in parentheses is the agent directory name.

Table 1-1 Supported software for Application agents

Application agent	AIX	HP-UX	Linux	Solaris	Windows
Cisco UCS (ucsutil_agent)	No	No	Yes	No	No
Data Loss Prevention (dlp_agent)	No	No	Yes	No	Yes*
Docker (docker_agent)	No	No	Yes	No	No
Documentum (documentum_agent)	Yes	Yes	Yes	Yes	No

Table 1-1 Supported software for Application agents (*continued*)

Application agent	AIX	HP-UX	Linux	Solaris	Windows
IBM InfoSphere DataStage (infosphere_agent)	No	No	Yes	Yes	No
IBM WebSphere (websphere_agent)	Yes	Yes	Yes	Yes	Yes
IBM WebSphere MQ (webspheremq_agent)	Yes	Yes	Yes	Yes	Yes
IBM WebSphere MQ FTE (webspheremq_agent)	Yes	Yes	Yes	Yes	No
Informatica (informatica_agent)	Yes	No	Yes	Yes	No
Informatica PowerCenter Service Manager (powercentersvcmgr_agent)	Yes	Yes	Yes	Yes	No
JBoss Application Server (jboss_agent)	No	No	Yes	Yes	No
OpenStack (openstack)	No	No	Yes	No	No
Oracle Applications (oracleapps_agent)	Yes	Yes	Yes	Yes	No
Oracle Application Server (oracleas_agent)	Yes	Yes	Yes	Yes	No
Oracle Essbase (essbase_agent)	Yes	Yes	Yes	Yes	No
Oracle Fusion Middleware (oracleas_agent)	Yes	Yes	Yes	Yes	No
Oracle PeopleSoft (tuxedo_agent)	Yes	Yes	Yes	Yes	No

Table 1-1 Supported software for Application agents (*continued*)

Application agent	AIX	HP-UX	Linux	Solaris	Windows
Oracle Siebel (siebel_agent)	Yes	No	Yes	Yes	Yes*
Oracle Tuxedo (tuxedo_agent)	Yes	Yes	Yes	Yes	No
Oracle WebLogic Server (weblogic_agent)	Yes	Yes	Yes	Yes	Yes
SAN Boot sanboot_agent	No	No	Yes	No	No
SAP Components (sap_agent)	Yes	Yes	Yes	Yes	No
SAP liveCache Hot Standby (saphotStandby_agent)	Yes	No	Yes	No	No
SAP liveCache (sap_agent)	Yes	Yes	Yes	Yes	No
SAP NetWeaver UNIX: (sap_agent) Windows: (sapnw_agent)	Yes	Yes	Yes	Yes	Yes
SAP NetWeaver with HA-API support (sap_agent)	Yes	No	Yes	Yes	No
SAP HANA (sap_agent)	No	No	Yes	No	No
SAP Sybase Replication Server (sybasers_agent)	No	No	Yes	Yes	No
Note: Solaris 11 SPARC support is available only for the SybaseRS agent and not for the SybaseRMA agent.					

Table 1-1 Supported software for Application agents (*continued*)

Application agent	AIX	HP-UX	Linux	Solaris	Windows
SAP Web Application Server UNIX: (sap_agent) Windows:(sapwebas_agent)	Yes	Yes	Yes	Yes	Yes
SunJES Messaging Server Suite (sunjes_agent)	No	No	No	Yes	No
Sun ONE Proxy Server (sunone_agent)	No	No	No	Yes	No
Tibco EMS (tibco_agent)	Yes	Yes	Yes	Yes	No

Note: * There is no separate agent available for Oracle Siebel CRM and for Data Loss Prevention on the Windows platform. However, support for these applications is provided through a generic service on Windows. For additional information, see the following Technical Support TechNotes:

Oracle Siebel CRM: <http://www.veritas.com/docs/000090917>

Data Loss Prevention: <http://www.veritas.com/docs/000002503>.

Support for multiple components of an application

Some VCS Application agents monitor multiple components of an application. For example:

- The Cluster Server agent for Informatica
To ensure high availability of the Informatica B2B Data Exchange and PowerCenter applications, the agent monitors the following components:
 - B2B Data Exchange Server
 - B2B Data Exchange Operation Console
 - B2B Data Exchange JMS Broker
 - B2B Managed File Transfer
 - PowerCenter
- The Cluster Server agent for IBM InfoSphere DataStage

The agent monitors specific InfoSphere components, such as DS Engine, ASB Agent, and ASB Logging Agent.

- The Cluster Server agent for SAP Components
The agent supports the following standalone engines of an SAP system:
 - SAP Gateway
 - SAP Master Data Management (MDM)
 - SAP Web Dispatcher
 - SAP Content Server for Web Dispatcher
- The Cluster Server agent for SAP NetWeaver and SAP HANA
The agent supports the following applications on Linux:
 - SAP NetWeaver
 - SAP HANA
 - SAP LiveCache
- The Cluster Server agent for SAP NetWeaver and SAP LiveCache
The agent supports the following applications on AIX, Solaris, and Solaris 11:
 - SAP NetWeaver
 - SAP LiveCache
- The Cluster Server agent for SAP Sybase Replication Server
The VRTSsybrep agent package contains two agents:
 - The VCS agent for SAP Sybase Replication Server — SybaseRS. The SybaseRS agent monitors the configured SAP Sybase Replication Server.
 - The VCS agent for SAP Sybase Replication Management Agent — SybaseRMA. The SybaseRMA agent monitors the configured SAP Sybase Replication Management Agent
- The Cluster Server agent for Oracle Fusion Middleware
To ensure high availability of Oracle Fusion Middleware entities, the agent supports the following components:
 - agent
 - OHS
 - OID
 - OPMN
 - OVD

- PreferenceServer
- ReportsServerComponent
- ServicesStatus
- WebCache
- WebCacheAdmin

Oracle Solaris 11 Image Packaging System packages for VCS agents

Oracle Solaris 11 Image Packaging System (IPS) packages are available for the following VCS agents and library:

- ACC library
- Application Agent Builder
- Documentum
- IBM Informix Dynamic Server
- IBM WebSphere Application Server
- IBM WebSphere MQ
- Informatica
- Informatica PowerCenter Service Manager
- JBoss Application Server
- MySQL
- Oracle Application Server
- Oracle E-Business Components
- Oracle E-Business Concurrent Manager
- Oracle Essbase
- Oracle Fusion Middleware
- Oracle Siebel CRM
- Oracle Tuxedo
- Oracle WebLogic Server
- PostgreSQL
- SAP Components
- SAP LiveCache

- SAP MaxDB
- SAP NetWeaver agent with HA-API support
- SAP Sybase Replication Server (for SybaseRS only, not for SybaseRMA)
- Tibco EMS

VCS Database agents

The agents support all intermediate minor versions of the respective application. The name in parentheses is the agent directory name.

Table 1-2 Supported software for Database agents

Database agent	AIX	HP-UX	Linux	Solaris
DB2 (db2_agent)	Yes	Yes	Yes	Yes
Informix (informix_agent)	Yes	Yes	Yes	Yes
MySQL * (mysql_agent)	Yes	Yes	Yes *	Yes
Oracle (oracle_agent)	Yes	Yes	Yes	Yes
PostgreSQL Database (postgresql_agent)	Yes	Yes	Yes	Yes
PostgreSQL Replication (postgresql_agent)	No	No	Yes	No
SAP MaxDB (sapmaxdb_agent)	Yes	Yes	Yes	Yes
Sybase (sybase_agent)	Yes	Yes	Yes	Yes
Sybase IQ (sybaseiq_agent)	No	No	Yes	Yes

* The MySQL agent supports HA configurations for MariaDB instances on Linux.

Intelligent Monitoring Framework aware VCS agents

The following VCS application and database agents are Intelligent Monitoring Framework (IMF) aware:

- Data Loss Prevention
- Docker Container
- Docker Daemon
- IBM InfoSphere DataStage
- IBM WebSphere Application Server
- IBM WebSphere MQ
- Informatica
- Informatica PowerCenter Service Manager
- Informix
- JBoss Application Server
- MySQL
- Oracle Application Server
- Oracle Fusion Middleware
- Oracle WebLogic Server
- PostgreSQL
- PgSQLRep
- SAP HANA
- SAP NetWeaver with HA-API support
- SAP Sybase Replication Server
- Sybase IQ
- Tibco EMS

Note: For more information about the operating systems on which the agent provides this support, see the appropriate agent Installation and Configuration Guide.

VCS Replication agents

The agents support all intermediate minor versions of the respective application. The name in parentheses is the agent directory name.

Table 1-3 Supported software for Replication agents

Replication agent	AIX	HP-UX	Linux	Solaris	Windows
Dell EMC Storage Compellent (SC) (dellsc_agent)	No	No	No	No	Yes
Dell EMC Unity (unity_agent)	Yes	No	Yes	No	Yes
EMC MirrorView (mirrorview_agent)	Yes	Yes	Yes	Yes	Yes
EMC RecoverPoint (recoverpoint_agent)	Yes	No	Yes	Yes	Yes
EMC SRDF (srdf_agent)	Yes	Yes	Yes	Yes	Yes
EMC SRDF Storage Group (srdfsg_agent)	Yes	No	Yes	No	No
EMC SRDF REST API for Storage Group (srdrest_agent)	No	No	Yes	No	No
EMC SRDF/Star (srdstar_agent)	Yes	Yes	Yes	Yes	Yes*
HP 3PAR Remote Copy (3parrc_agent)	Yes	Yes	Yes	Yes	Yes
Hitachi/HP XP 3 Data Center Replication (htc3dc_agent)	No	Yes	No	Yes	Yes
Hitachi/HP XP 3 Data Center Asynchronous Replication (htc3dc_agent)	No	No	No	Yes	No
Hitachi TrueCopy (HTC) (htc_agent)	Yes	Yes	Yes	Yes	Yes

Table 1-3 Supported software for Replication agents (*continued*)

Replication agent	AIX	HP-UX	Linux	Solaris	Windows
HP Storage Works EVA Continuous Access (evaca_agent)	Yes	Yes	Yes	Yes	Yes
IBM DB2 HADR (db2hadr_agent)	Yes	No	Yes	Yes	No
IBM DS4K RemoteMirror (ds4kremotemirror_agent)	No	No	Yes	Yes	No
IBM DS6000/8000 Metro Mirror and Global Mirror (metro_mirror_agent)	Yes	Yes	Yes	Yes	Yes
IBM SVCCopyServices (svccopyservices_agent)	Yes	Yes	Yes	Yes	Yes
IBM XIVMirror (xivmirror_agent)	Yes	No	Yes	Yes	Yes
NetApp SnapMirror 7-Mode (ntap_agent)	Yes	Yes	Yes	Yes	Yes*
NetApp SnapMirror Cluster-Mode (ntap_agent)	No	No	Yes	No	Yes
Oracle DataGuard (dataguard_agent)	Yes	Yes	Yes	Yes	No
Oracle GoldenGate (goldengate_agent)	Yes	No	Yes	Yes	Yes
Pure Storage Asynchronous Replication (pure_agent)	No	No	Yes	No	No
Pure Storage Synchronous Replication (puresync_agent)	No	No	Yes	No	No
Pure Storage ActiveDR (pureadr_agent)	Yes	No	No	No	Yes

Table 1-3 Supported software for Replication agents (*continued*)

Replication agent	AIX	HP-UX	Linux	Solaris	Windows
Symantec NetBackup RealTime (realtime_agent)	No	No	No	No	Yes

Note: * This agent for Windows is part of the Veritas InfoScale release; this agent is not included in the Agent Pack release.

VCS replication agents that compute RPO

The following VCS replication agents support the capability to compute Recovery Point Objective (RPO):

- EMC RecoverPoint
- EMC SRDF
- Hitachi/HP XP 3 Data Center Replication
- Hitachi TrueCopy
- HP 3PAR RemoteCopy
- IBM Global Mirror
- Netapp SnapMirror
- Oracle DataGuard
- Oracle GoldenGate
- IBM XIVMirror

Note: For more information about the operating systems on which the agent provides this support, see the appropriate agent Installation and Configuration Guide.

Oracle Solaris 11 IPS packages for VCS Replication agents

Oracle Solaris 11 Image Packaging System (IPS) packages are available for the following VCS agents:

- EMC SRDF
- Hitachi TrueCopy
- HP 3PAR Remote Copy

Agent support for minor versions of Cluster Server

The support information given in the agent documentation and the Agent Pack matrix does not always mention the minor versions of VCS supported by the Cluster Server agents.

[Table 1-4](#) lists the minor versions of VCS supported by the agents corresponding to the base VCS version.

This information is applicable to the VCS agents that are included in the Cluster Server Agent Pack.

Table 1-4 Agent support for minor versions of VCS

Base VCS version supported by the agent	Minor VCS versions supported by the agent	Supported platforms
VCS 5.0	Subsequent maintenance packs, rolling patches, and release updates	AIX, HP-UX, Linux, and Solaris
VCS 5.1	Subsequent updates	AIX, Linux, Solaris, and Windows
VCS 6.0	Subsequent maintenance packs, rolling patches, and release updates	AIX, HP-UX, Linux, Solaris, and Windows
VCS 6.1	Subsequent maintenance packs, rolling patches, and release updates	AIX, Linux, Solaris, and Windows
VCS 6.2	Subsequent maintenance packs, rolling patches, and release updates	AIX, Linux, and Solaris
Veritas InfoScale 7.0	Subsequent updates	AIX, Linux, Solaris, and Windows
Veritas InfoScale 7.1	Subsequent updates	AIX, Linux, Solaris, and Windows
Veritas InfoScale 7.2	Subsequent updates	AIX, Linux, Solaris, and Windows
Veritas InfoScale 7.3	Subsequent updates	AIX, Linux, Solaris, and Windows
Veritas InfoScale 7.4	Subsequent updates	AIX, Linux, Solaris, and Windows

Table 1-4 Agent support for minor versions of VCS (*continued*)

Base VCS version supported by the agent	Minor VCS versions supported by the agent	Supported platforms
Veritas InfoScale 8.0	Subsequent updates	AIX, Linux, Solaris, and Windows
Veritas InfoScale 8.0.2	Subsequent updates	AIX, Linux, Solaris, and Windows

Note: On Windows, the Cluster Server agent for EMC SRDF is supported on VCS 5.1 SP2 and later.

On Windows, the Cluster Server agent for Hitachi TrueCopy is supported on VCS 6.0 and later.

Agents that support Solaris zones

The agents for the following applications and databases support the Solaris zones:

- Application Agent Builder
- Documentum Content Server and Connection Broker
- IBM Informix Dynamic Server
- IBM WebSphere Application Server
- IBM WebSphere MQ
- IBM WebSphere MQ FTE
- Informatica
- Informatica PowerCenter Service Manager
- InfoSphere DataStage
- JBoss Application Server
- MySQL
- Oracle Application Server
- Oracle Essbase
- Oracle e-Business Components
- Oracle e-Business Concurrent Manager
- Oracle Fusion Middleware

- Oracle PeopleSoft
- Oracle Siebel CRM
- Oracle Tuxedo
- Oracle WebLogic Server
- PostgreSQL
- SAP Components
- SAP LiveCache
- SAP MaxDB
- SAP NetWeaver (SAPNW04)
- SAP NetWeaver with HA-API support
- SAP Web Application Server
- SunJES Messaging Server Suite
- Sybase IQ
- Tibco EMS

Internationalization (I18N) support

The following tables lists the agents that have been internationalized. For a definition of the various levels, See [“About I18N levels”](#) on page 21.

Table 1-5 Internationalized application agents and supported levels

Application agent	I18N Level
Cisco UCS	Level 0
Docker Container	Level 0
Docker Daemon	Level 0
Documentum	Level 0
IBM WebSphere	Level 1
IBM WebSphere MQ	Level 1
IBM WebSphere MQ FTE	Level 0
Informatica	Level 0

Table 1-5 Internationalized application agents and supported levels
(continued)

Application agent	I18N Level
Informatica PowerCenter Service Manager	Level 0
InfoSphere	Level 0
JBoss Application Server	Level 0
Oracle Applications	Level 0
Oracle Application Server	Level 0
Oracle Essbase	Level 0
Oracle Tuxedo	Level 1
SAP Components	Level 0
SAP HANA	Level 0
SAP HotStandby	Level 0
SAP LiveCache	Level 0
SAP NetWeaver	Level 1
SAP Sybase Replication Server	Level 0
SAP Web Application Server	Level 0
Siebel	Level 0
SunJES	Level 0
Sun One	Level 0
Tibco EMS	Level 0
WebLogic	Level 1

Table 1-6 Internationalized database agents and supported levels

Database Agent	I18N Level
DB2	Level 2 on Solaris SPARC, Level 0 on other platforms
Informix	Level 0

Table 1-6 Internationalized database agents and supported levels
(continued)

Database Agent	I18N Level
MySQL	Level 0
Oracle	Level 2 on Solaris SPARC, Level 0 on other platforms
PostgreSQL	Level 0
SAP MaxDB	Level 1
Sybase	Level 2 on Solaris SPARC, Level 0 on other platforms

Table 1-7 Internationalized replication agents and supported levels

Replication Agent	I18N Level
Data Guard	Level 0
DB2 HADR	Level 0
DS4KRemoteMirror	Level 0
EVACA	Level 0
HP 3PAR Remote Copy	Level 0
HTC	Level 0
HTC 3DC	Level 0
IBM XIV Mirror	Level 0
MetroMirror	Level 0
MirrorView	Level 0
SnapMirror	Level 0
SRDF	Level 0
SRDFStar	Level 0
SVCCopyServices	Level 0
RecoverPoint	Level 0
TrueCopy	Level 0
Symantec NetBackup RealTime	Level 0

About I18N levels

Internationalization support for the agents is available in various levels. This section provides a definition of each level.

- **Level 0.**
Base product (the English version) functions correctly on the local operating system
All features on the base product work correctly with the local operating system (OS) such as Japanese Windows or German Solaris without causing functional problems due to running on a local OS. However, the international characters such as double byte characters, accented characters or Unicode are not supported. Regional formats such as European Date formats or Japanese Time formats are not supported.
- **Level 1.**
Level 0 + Regional format and International character support Level 0 plus, support for the regional formats such as European Date formats or Japanese Time formats. Additionally, support for the international characters such as double byte characters, accented characters or Unicode as input and output data.
- **Level 2.**
Level 1 + Localization ready (excluding Bi-Directional UI) Level 1 plus, localizability engineering is complete except for the user interfaces (UIs) that have Bi-Directional architecture (such as Arabic and Hebrew).

High availability and clustering solutions

High availability and clustering solutions are available for the applications that do not have individual agents. Information about these solutions is available in the form of white papers, application notes, and TechNotes.

The solutions that are currently available are as follows:

- **High Availability Solution for Oracle Enterprise Manager Grid Control 11g and Cloud Control 12c**
This solution is provided in the form of a white paper.
https://www.veritas.com/support/en_US/doc/ka6j0000000BOA9AAO
- **VCS disaster recovery with SRDF on IBM VIO servers and VCS SRDF NPIV support on AIX.**
This solution is provided in the form of a white paper. The white paper describes how to use the VCS SRDF agent in configurations that use virtualized hosts such as IBM DLPARs hosted on top of a VIO server. The white paper also

provides information on how the SRDF agent supports N_Port ID Virtualization (NPIV) on AIX systems.

See: https://www.veritas.com/support/en_US/doc/ka6j00000004FubAAE

- High Availability solution for DLP Enforce Server
This solution is provided in the form of an application note. This application note describes the High Availability Solution for Data Loss Prevention (DLP) Enforce Server. This application note is available at the following location:
https://www.veritas.com/content/support/en_US/doc/ka6f10000000BgRAAU
- High Availability solution for SAPHostAgent (SAPHostControl)
This solution is provided in the form of a technical note. The technical note describes the procedure to configure SAPHostAgent for high availability in a Cluster Server environment, using the Application agent. This technical note is available at the following location:
https://www.veritas.com/support/en_US/doc/ka6j00000000BMC8AAO
- Veritas clustering solution for SAP Content Server
This solution is provided in the form of a technical note. The technical note explains how to cluster an SAP Content Server setup in a VCS environment using the Veritas agents for Apache and SAP MaxDB. This technical note is available at the following location:
https://www.veritas.com/support/en_US/doc/ka6j00000000BLutAAG
- High Availability Solution for Informix Shared Disk Secondary
This solution is provided in the form of a technical white paper. The white paper explains how to use High Availability Solution for ensuring high availability of the Informix Dynamic Server environment. This white paper is available at the following location:
https://www.veritas.com/support/en_US/doc/ka6j00000000BLv2AAG
- Data Center Availability Solution for SAP
This solution is provided in the form of a technical white paper, which describes the overall SAP availability environment and the Veritas Data Center Availability Solution. The white paper offers a technical overview of both the local availability and global availability in the SAP environment, and describes a few scenarios using the Veritas solution. The white paper is available at the following location:
<http://www.veritas.com/community/articles/keep-your-business-running-high-availability-and-disaster-recovery-sap-applications>
- High Availability Solution for WebSphere Commerce
This solution is provided in the form of an application note, which describes the overall WebSphere Commerce availability environment and the High Availability Solution. The application note also provides a technical overview of local availability in the WebSphere Commerce environment, and describes a few scenarios using the Veritas solution. The application note is available as a PDF

document on the Agent Pack tarball in the following

directory:`agentpack_topdir/platform/vcs/application/websphere_commerce`

- **High Availability Solution for TIBCO Enterprise Message Service**
This solution is provided in the form of an application note, which describes the overall TIBCO Enterprise Message Service availability environment and the High Availability Solution. The application note is available as a PDF document on the Agent Pack tarball in the following directory:
`agentPackHomeDir/platform/vcs/application/tibco_agent/
VCSVersion/agentVersion/docs`
- **Support for clustering Sybase License Manager**
For more information, see the following Technical Support TechNote:
https://download.veritas.com/resources/content/live/SOLUTIONS/56000/TECH56189/en_US/295003.pdf
- **Support for clustering WebSphere Message Broker on the AIX, HP-UX, Linux, and Solaris platforms**
The Agent Pack provides support for clustering WebSphere Message Broker on the AIX, HP-UX, Linux, and Solaris platforms in a Cluster Server environment using the Agent Builder tool. For instructions, see the following Technical Support TechNote:
https://www.veritas.com/content/support/en_US/doc/vha_wsmsgbroker_iib_technote
- **High Availability Solution for Oracle e-Business Suite**
This solution is provided in the form of a technical, white paper which describes High Availability Solution. The white paper explains how the components work together and the high-level architecture of Oracle e-Business Suite. The white paper also provides instructions about setting up the cluster and provides a sample resource configuration. The white paper is available at the following location:
<https://vox.veritas.com/legacyfs/online/veritasdata/339090.pdf>
- **Cluster Server Fire Drill for WebSphere to improve disaster recovery readiness**
This technical white paper describes how to use Cluster Server Fire Drill with WebSphere to improve disaster recovery readiness. The white paper is available at the following location:
https://download.veritas.com/resources/content/live/SOLUTIONS/78000/TECH78051/en_US/339091.pdf
- **Cluster Server Fire Drill for WebSphere MQ to improve disaster recovery readiness**
This technical white paper describes how to use Cluster Server Fire Drill with WebSphere MQ to improve disaster recovery readiness. The white paper is available at the following location:

https://download.veritas.com/resources/content/live/SOLUTIONS/78000/TECH78052/en_US/339092.pdf

Additional product information

The following sections contain useful information about the Cluster Server agents that are distributed on this Agent Pack.

Locating and viewing documentation

The latest version of the Agent Pack documentation is available in PDF format on the Veritas Services and Operations Readiness Tools (SORT) Web site here:
<https://sort.veritas.com/agents>.

You can also find the documentation for each agent in the `docs` directory after you download the agent.

Getting help

Visit https://www.veritas.com/support/en_US.html for product assistance. Use the Knowledge Base search feature to access resources such as TechNotes, product alerts, software downloads, hardware compatibility lists, and our customer email notification service. If you encounter an error when using a product, include the error number preceding the message when contacting Technical Services. You can also use the error number to search for information in TechNotes or documents on the Web site.