Symantec™ Disaster Recovery Advisor Support Requirements

AIX, ESX, HP-UX, Linux, Solaris, Windows Server

6.4.1

Symantec

Symantec Disaster Recovery Advisor Support Requirements

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Chapter 1

Disaster Recovery Advisor support requirements

This document includes the following topics:

- "Host requirements" on page 10
- "Scanned entities" on page 12

Host requirements

This section describes the system requirements for hosts that are installing Disaster Recovery Advisor (DRA).

The recommended server configuration is as follows:

Table 1-1 DRA server requirements

# of scanned hosts	CPUs/cores	RAM	Free disk space	Operating system
Up to 100	2 Intel / AMD (4 recommended)	8 GB	80 GB	Windows Server 2012 R2 or Windows Server 2008 R2 [1] Standard or Enterprise Edition 64-bit
100-500	2 Intel/ AMD (4 recommended)	16 GB	100 GB	
500-1,000	4 Intel / AMD	32 GB	120 GB	
Above 1,000	Specific sizing required			

The following server requirements also apply:

- Database: Oracle 11g Standard or Enterprise installed with full database administrator rights.
- Server: Apache Tomcat 7.0 (the only supported version). Product is automatically installed if not already on your system.
- Web client access:
  - Internet Explorer 6 or later with Java client 1.7 or later.
  - HTTP/HTTPS access from clients to the DRA server through port 8080/8443 (configurable).

DRA requires administrator rights on the DRA application server.

1: If your organization does not plan to use Windows Remote Management (WinRM) to collect data from Windows servers, you can also use Windows Server 2003/2008 64-bit.

Note: If VMware is used, it is recommended that you reserve the required CPU and memory.

The recommended collector configuration is as follows:

Table 1-2 Collector requirements

# of scanned hosts	CPUs/cores	RAM	Free disk space	Operating system
Up to 100	2 Intel / AMD	8 GB	40 GB	Windows Server 2012 R2 or Windows Server 2008 R2 [1] Standard or Enterprise Edition 64-bit
100-500	2 Intel/ AMD	16 GB	50 GB	
500-1,000	4 Intel / AMD	32 GB	60 GB	
Above 1,000	Specific sizing required			

DRA collectors require administrator rights on the server.

1: If your organization does not plan to use Windows Remote Management (WinRM) to collect data from Windows servers, you can also use Windows Server 2003/2008 64-bit.

Note: If VMware is used, it is recommended that you reserve the required CPU and memory.

Scanned entities

This section describes the various servers, storage arrays, and databases that DRA can scan, as well other DRA support requirements.

Servers

Table 1-3 describes the servers that DRA can scan.

Table 1-3 Servers that DRA can scan

Server	Operating system version	Processor architecture
AIX	4 and above	Power3 series and later
HP-UX	11 and above	PA8700/8800/8900, IA64, IA64 Dual Core Montecito
Linux Red Hat/SUSE	RedHat Advanced Server, SUSE	Intel EM64T, AMD Opteron
Solaris	8 and above	UltraSPARC II/III/IV/T1/T2/T2+, SPARC64-V/VI /VII series
Solaris x64	8 and above	Intel EM64T, AMD Opteron
Windows	Windows XP/2000/ 2003/2008/2012	Intel EM64T, AMD Opteron
ESX, ESXi	3.5 and above	

Storage arrays

Table 1-4 describes the storage arrays that DRA can scan.

Table 1-4 Storage arrays that DRA can scan

Storage array	Supported replications	Comments
EMC Symmetrix (all series) **Note:** EMC Cellera is not supported.	SRDF, BCV, Clone, Snap	Using SymCLI **Note:** You must install SymCLI on at least one host.
EMC CLARiiON/VNX **Note:** CLARiiON/VNX devices connected to hosts via iSCSI are not supported.	SnapView, MirrorView, SAN Copy, RecoverPoint	NaviSecCLI 6.24 and above RecoverPoint 3 and above
EMC VPLEX **Note:** Supported for CLARiiON/VNX storages and ESX/ESXi servers.	SnapView, MirrorView, SAN Copy, RecoverPoint	VPLEX 5.2 and above Using the VPLEX Management Server
EMC Isilon	Remote Sync, Snapshot	
EMC DataDomain		
Hitachi HDS/HP XP (all series)	TrueCopy, UniversalReplicator, ShadowImage, QuickShadow	Using Hitachi HiCommand/HP Command View 4 and above
NetApp Filer / NetApp Cluster (cDOT only)	SnapMirror, SnapVault	Using Ontap 6 and above
IBM DS (6000, 8000)	FlashCopy, MetroMirror, GlobalCopy, GlobalMirror	Using DSCLI
IBM DS (3000, 4000, 5000)	FlashCopy, MetroMirror, GlobalMirror	Using SMCLI
IBM XIV	Snapshot, RemoteMirror	Using XCLI

Table 1-4 Storage arrays that DRA can scan (Continued)

Storage array	Supported replications	Comments
IBM V7000/SVC	FlashCopy, MetroMirror, GlobalMirror	
HP 3PAR	Snapshot, RemoteCopy	Using 3PAR InForm CLI

Management Consoles

Table 1-5 describes the console applications that DRA can scan.

Table 1-5 Console applications that DRA can scan

Application	Version	Comments
ECC (by EMC)	5 and above	
HiCommand (by Hitachi)	4 and above	
Command View (by HP)	4 and above	
vCenter (by VMware)	3.5 and above	Including SRM and Zerto
HMC (by IBM)	7 and above	
Oracle Enterprise Manager	11 and above	
Oracle GoldenGate Monitor	11g release 1 and above	
NetApp OnCommand Unified Manager Core	5 and above	

Databases

Table 1-6 describes the databases that DRA can scan.

Table 1-6 Databases that DRA can scan

Database	Version	Comments
Oracle	8 and above	Including RAC, ASM, DataGuard and GoldenGate Scanned either directly or via OEM
Microsoft SQL Server	2000 and above	
Sybase	12.5 and above	
IBM UDB	8 and above	

Multipath programs

Table 1-7 describes the multipath programs that DRA supports.

Table 1-7 Multipath programs that DRA supports

Software	Comments
AIX MPIO	
EMC PowerPath	
Hitachi Dynamic Link Manager (HDLM)	
HP-UX PVLinks	
IBM Subsystem Device Driver (SDD)	
Linux MPIO	
NetApp DSM	
Solaris MPxIO	
Symantec Dynamic Multi-Pathing	
Windows 2008 MPIO	

Note: Unless explicitly noted in Table 1-7, all versions of the multipath software are supported.

Logical volume managers

DRA can scan the following logical volume managers (LVMs):

- AIX-native LVM
- HP-UX-native LVM
- Linux LVM2
- Oracle ASM
- Solaris ZFS
- Veritas Volume Manager (VxVM) - Including Veritas Volume Replicator
- Windows Logical Disk Management

Clusters

DRA supports the following clusters:

- HP Serviceguard (MC/SG)
- HP PolyServe
- IBM PowerHA
- Microsoft Cluster
- Oracle RAC
- Symantec Cluster Server 5.0 and later; prior to release 6.1, this product was known as Veritas Cluster Server
- VMware ESX Cluster

Application Servers

DRA supports the following application servers:

- Apache Tomcat on Linux
- IBM WebSphere on Linux and AIX
- Oracle WebLogic on Linux and AIX