

Veritas™ Disaster Recovery Advisor Support Requirements

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

6.1.2

Veritas Disaster Recovery Advisor Support Requirements

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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 2008 R2 ¹ Standard or Enterprise Edition 64-bit ²
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			

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.

2: Although a 32-bit operating system is not recommended, you can use one if you have a small to midsize environment. If you install a 32-bit operating system, you need at least 4 GB of RAM.

The following server requirements also apply:

- Database: Oracle 11g Standard or Enterprise installed with full database administrator rights.
- Server: Apache Tomcat 6.0 (the only supported version). If the product is not already on your system, it is installed automatically.
- Web client access:
 - Internet Explorer 6 or later with Java client 1.6 or later.
 - HTTP access from clients to the DRA server through port 8080 (configurable).

DRA requires administrator rights on the DRA application server.

Note: If you use VMware, you should take particular care to 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	4 GB	40 GB	Windows Server 2008 R2 ¹ Standard or Enterprise Edition 64-bit
100-500	2 Intel/ AMD	8 GB	50 GB	
500-1,000	4 Intel / AMD	16 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 you use VMware, you should take particular care to 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 DRA can scan

Server	Operating system version	Processor architecture
AIX	4 and later	POWER3 series and later
HP-UX	11 and later	PA8700/8800/8900, IA64, IA64 Dual Core Montecito
Linux Red Hat/SUSE	Red Hat Advanced Server, SUSE	Intel EM64T, AMD Opteron
Solaris	8 and later	UltraSPARC II/III/IV/T1/T2/T2+, SPARC64-V/VI/VII series
Solaris x64	8 and later	Intel EM64T, AMD Opteron
Windows	Windows Server XP Windows Server 2000 Windows Server 2003 Windows Server 2008 Windows Server 2008 R2	Intel EM64T, AMD Opteron
ESX, ESXi	3.5 and later	

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 Celler is not supported.	SRDF, BCV, Clone, Snap	Using SymCLI Note: You must install SymCLI on at least one host.
Hitachi HDS (all series)	TrueCopy, UniversalReplicator, ShadowImage, QuickShadow	Using HiCommand 4 and later
NetApp Filer	SnapMirror, SnapVault	Using Ontap 6 and later
CLARiiON Note: CLARiiON devices connected to hosts via iSCSI are not supported.	SnapView, MirrorView, SAN Copy	NaviSecCLI 6.24 and later
IBM DS (6000, 8000)	FlashCopy, MetroMirror, GlobalCopy, GlobalMirror	Using DSCLI
IBM XIV	Snapshot, RemoteMirror	Using XCLI
IBM SVC	FlashCopy, MetroMirror, GlobalMirror	

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 later	
HiCommand (by Hitachi Data Systems)	4 and later	
vCenter (by VMware)	3.5 and later	Including SRM
HMC (by IBM)	7 and later	
Oracle Enterprise Manager	11 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 later	Including RAC and ASM Scanned either directly or via OEM
Microsoft SQL Server	2000 and later	
Sybase	12.5 and later	
IBM UDB	8 and later	

Multipath programs

DRA supports the following multipath programs:

- EMC PowerPath
- Veritas DMP
- Hitachi Dynamic Link Manager (HDLM)
- IBM Subsystem Device Driver (SDD)
- HP-UX PVLlinks
- Linux MPIO
- AIX MPIO
- NetApp DSM

All versions of the software are supported.

Logical volume managers

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

- Symantec Veritas VxVM
- HP-UX-native LVM
- AIX-native LVM
- Solaris ZFS
- Linux LVM2
- Oracle ASM

Clusters

DRA supports the following clusters:

- Veritas Cluster Server 5.0 and later
- MS Cluster
- IBM PowerHA
- Oracle RAC

