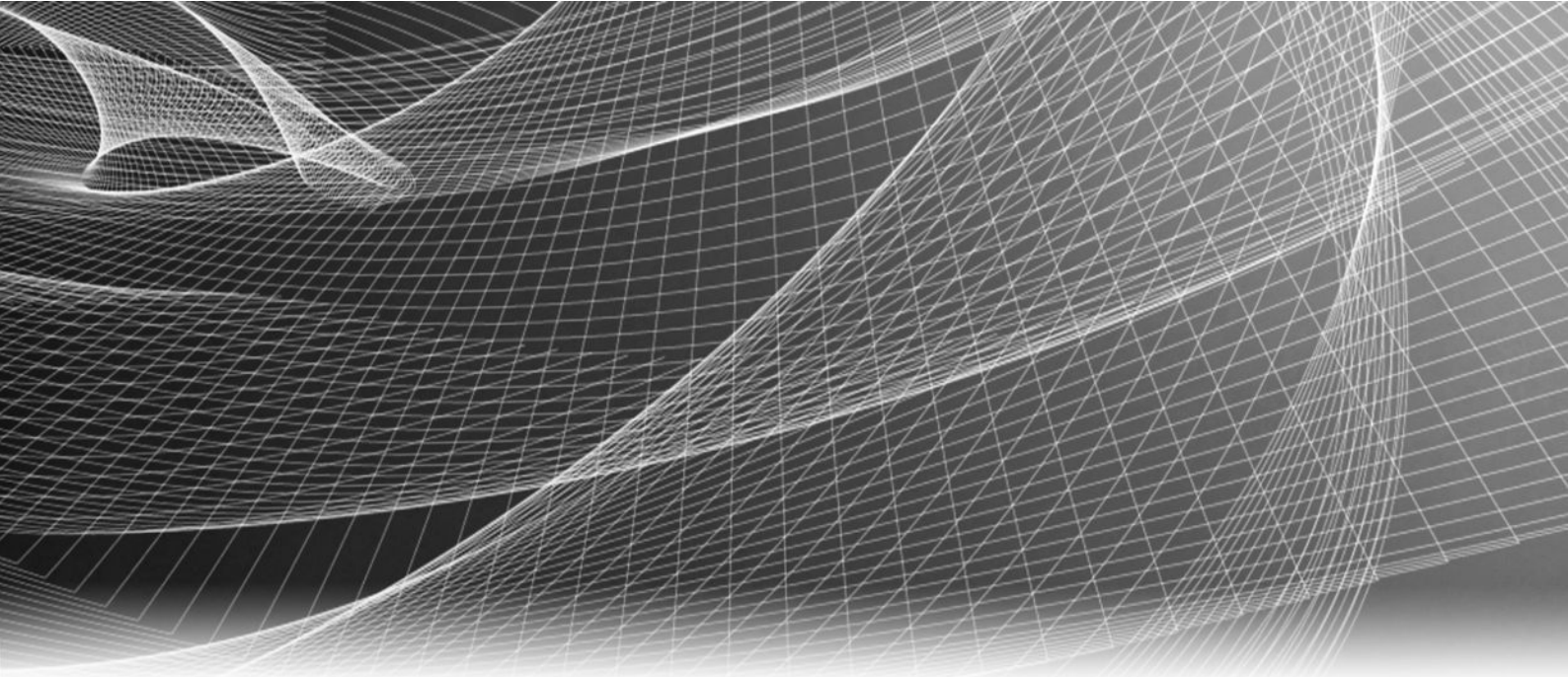




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Version 3.0

Support Matrix

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CHAPTER 1

System Requirements

This chapter includes the following topics:

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- ◆ [Browser requirements](#)..... 8
- ◆ [Supported mobile devices](#).....9

Operating system requirements

The following operating systems are supported for production.

Table 1 Supported operating systems

Operating system	Version
Red Hat Enterprise Linux	5, 64-bit 6, 64-bit
CentOS Linux	5, 64-bit 6, 64-bit
SUSE Linux Enterprise Server (SLES)	11, 64-bit
Microsoft Windows	- Server 2008 R2 - Server 2012 - Server 2012 R2

Browser requirements

For the following browsers, support varies.

Table 2 Supported browsers

Browser	Version	Operating system	Notes
Google Chrome	Latest	Windows, Linux	Full support
Internet Explorer	8	Windows	Minimal Browse mode
Internet Explorer	9 and 10	Windows	Full support
Mozilla Firefox	Latest	Windows, Linux	Full support
Apple Safari	Latest	Mac OS X and iOS	Full support

Minimal Browse mode is for report viewing and browsing. It can display tables, including interactive tables, and graphs that are not interactive. Topology maps are not supported.

Full support includes report viewing and browsing, plus support for interactive tables and graphs, topology maps, and administration tasks (user management, enrichment GUI, alerting GUI, and so on).

Supported mobile devices

To manage the application and view reports, you can use any of the supported mobile devices.

Table 3 Supported mobile devices

Device	Version	Operating system	Notes
Apple iPhone	Latest	Mac iOS	Using APG iPhone client from AppStore
Apple iPad	Latest	Mac iOS	Using APG iPad client from AppStore

CHAPTER 2

Supported SolutionPacks

This chapter includes the following topics:

◆ SRM Suite and SolutionPack compatibility	12
◆ SolutionPack for Brocade FC Switch	14
◆ SolutionPack for Cisco MDS/Nexus	15
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SRM Suite and SolutionPack compatibility

This is a list of SolutionPacks compatible with SRM Suite3.0.

Table 4 SRM Suite and SolutionPack compatibility

Product	Version
Watch4net	6.3
SolutionPack for Brocade FC Switch	3.0
SolutionPack for Cisco MDS/Nexus	3.0
SolutionPack for Cisco UCS	1.0
SolutionPack for Converged Infrastructure	1.1
SolutionPack for EMC Centera	1.3
SolutionPack for EMC Data Domain	1.0
SolutionPack for EMC Data Protection Advisor	1.0
SolutionPack for EMC Host Interface	1.0
SolutionPack for EMC Isilon	1.3
SolutionPack for EMC RecoverPoint	1.0
SolutionPack for EMC VMAX	3.0
SolutionPack for EMC VNX	3.0
SolutionPack for EMC ViPR ^a	1.2
SolutionPack for EMC VPLEX	1.5
SolutionPack for EMC Watch4net Health	1.3
SolutionPack for Hitachi Device Manager	1.0
SolutionPack for HP EVA	1.1
SolutionPack for HP 3PAR StoreServ	1.2
SolutionPack for IBM DS	1.0
SolutionPack for IBM SVC/V7000	1.0
SolutionPack for IBM XIV	1.2
SolutionPack for Microsoft Hyper-V	1.2
SolutionPack for NetApp Filer	2.2
SolutionPack for Oracle Database	1.2
SolutionPack for Physical Hosts	1.0
SolutionPack for Storage Compliance ^{b c}	3.0
SolutionPack for VI VirtualWisdom	1.0
SolutionPack for VMware vCenter	3.0

a. The ViPR documentation is available at support.emc.com

b. Policy Administration and EMC Support Matrix Administration reports are not supported in the minimal browse mode.

c. The compliance rules support all the supported Hosts, ESX, VMs, EMC arrays (VMAX and VNX), and Brocade and Cisco fabrics.

SolutionPack for Brocade FC Switch

This is a list of prerequisites and communication port information for the supported Brocade Fabric models.

Table 5 Supported models for Brocade Fabric

Supported model ^{a b c}	Collector	Prerequisites	Port
- Brocade 300, 4100, 4900, 5000, 5100, 5300, 5410, 5424, 5450, 5460, 5470, 5480, 7500, 7500E, 7600 - Brocade 7800 Extension Switch - Brocade 8000 FCoE Switch - Brocade Encryption Switch Brocade DCX Backbone and Brocade DCX-4S Backbone: FA4-18 Fibre Channel application blade, FCOE10-24 DCX Blade, FS8-18 Encryption Blade, FC8-16 port blade, FC8-32 port blade, FC8-48 port blade, FC8-64 port blade - Fabric OS MIB Reference: 53-1001768-01, FC10-6 port blade, FR4-18i router blade, FX8-24 DCX Extension Blade^d - Brocade 48000 director: FA4-18 Fibre Channel application blade, FC4-16 port blade, FC4-16IP, FC4-32 port blade, FC4-48 port blade, FC10-6 port blade, FR4-18i outer blade - Brocade VA-40FC	Generic-SNMP	All Brocade switches that are running FOSv4.x or higher^e. SNMP compliant with FC-MGMT MIB. Providers^f: - CMCNE/BNA^g 11.1.x^h, 11.2.1 - CMDCE/DCFM 10.4.x	SNMP (default port is 161)

- Discovery of virtual switch and switch partition feature is not supported.
- NPIV switch discovery requires the integrated SMI agent support provided in CMCNE, BNA, CMDCE, or DCFM.
- Performance Metrics will not be collected for Brocade AG Devices.
- Discovery support is limited to FC ports; discovery of other protocols or routing is not supported.
- CPU Utilization and Memory Utilization will not be populated for Brocade switches running at firmware version below FOS 6.3. Fabric Watch license should be installed on the switches to fetch CPU and Memory utilization metrics.
- Discovery is limited to FC blades. Discovery supports only the E, F, and G ports on the blades. SRM Suite does not support Administrative Domains features. SRM Suite requires the integrated SMI agent provided in CMCNE, BNA, CMDCE, or DCFM to support Access Gateway capabilities.
- CMCNE can be deployed using the SMI Agent only option (headless). The *EMC Storage Resource Management Suite Installation and Configuration Guide* provides additional information on various versions of CMCNE and BNA.
- SRM Suite does not support Single Sign On and Launch-in-Context.

SolutionPack for Cisco MDS/Nexus

This is a list of prerequisites and communication port information for the supported Cisco fabric models.

Table 6 Supported models for Cisco fabric

Supported model ^{a bc}	Collector	Prerequisites	Port
- Cisco MDS (MDS 9148, DS-C9124, DS-C9506, DS-C9509, DS-C9513, ONS 15201, ONS 15202, DS-X9216) - Cisco Nexus (Nexus 5548, Nexus 1000V)	Text-Collector Generic-SNMP	The following Cisco MIBs are needed: - cisco-entity-fru-control-mib - cisco-entity-sensor-mib - cisco-fc-fe-mib - cisco-fcs-mib - cisco-vsan-mib	SNMP (default port is 161)

- a. Discovery is limited to FC ports only.
 b. SRM Suite does not support Cisco device aliases or Cisco enhanced device aliases.
 c. SRM Suite does not support discovery of VDC (virtual device context) and Fabric extenders.

SolutionPack for Cisco UCS

This is a list of prerequisites and communication port information for the supported Cisco UCS models.

Table 7 Supported models of Cisco UCS

Supported model	Collector	Prerequisites	Port
- Cisco UCS Manager 2.0 and higher - Cisco UCS C-Series (CIMC) 1.4 and higher	XML-Collector		80 or 443

SolutionPack for Converged Infrastructure

This is a list of the supported versions of Converged Infrastructure.

Table 8 Supported versions of Converged Infrastructure

Supported model	Collector	Prerequisites	Port
- UIM/Provisioning - 4.0 Patch 1 - UIM/Operations - 4.0	XML-Collector		

SolutionPack for EMC Centera

This is a list of prerequisites for the supported Centera versions.

Table 9 Supported versions of EMC Centera

Supported model	Collector	Prerequisites	Port
EMC Centera	Text-Collector	Centera Viewer CLI (v4.2, v4.3)	

SolutionPack for EMC Data Domain

This is a list of prerequisites and communication port information for the supported versions of Data Domain.

Table 10 Supported versions of Data Domain

Supported model	Collector	Prerequisites	Port
EMC Data Domain	Generic-SNMP	If you are updating from an older version, ensure that the SolutionPack block Generic-SNMP is updated to version 1.2 or newer.	SNMP

SolutionPack for EMC Data Protection Advisor

This is a list of supported versions of DPA.

Table 11 Supported versions of DPA

Supported version	Collector	Prerequisites	Port
DPA 6.1	None	None	9004 (http) or 9002 (https)

SolutionPack for EMC Host Interface

Table 12 Supported hosts in SRM Suite

Supported model ^a	Collector	Prerequisites	Port
- Microsoft Windows Server 2003 - Windows 2008 SP2 - Windows 2008 R2 - Windows 2008 R2 core - Windows 2012		EMC Host Interface SolutionPack installed on host.	Default ports are 5988 and 5889 (secure)

Table 12 Supported hosts in SRM Suite

Supported model ^a	Collector	Prerequisites	Port
Windows 2012 core			

a. Only 64 bit platforms are supported.

SolutionPack for EMC Isilon

This is a list of prerequisites and communication port information for the supported Isilon versions.

Table 13 Supported versions of Isilon

Supported model	Collector	Prerequisites	Port
Isilon 5.0 and higher	Generic-SNMP	SNMP Read-Only activated on the monitored equipment.	SNMP (default is port 161)

SolutionPack for EMC RecoverPoint

This is a list of supported versions of RecoverPoint.

Table 14 Supported versions of RecoverPoint

Supported version	Collector	Prerequisites	Port
RecoverPoint 4.0 and higher	XML-Collector		

SolutionPack for EMC VMAX

This is a list of prerequisites for the supported EMC VMAX models.

Table 15 Supported models for EMC VMAX

Supported model	Collector	Prerequisites	Port
- DMX - VMAX (VMAX, VMAX-10K, VMAX-20K, VMAX-40K)	XML-Collector Performance Collector Unisphere 1.6.0.1 or higher	Solutions Enabler 7.6.1 and later	

SolutionPack for EMC VNX

This is a list prerequisites and communication port information for the supported EMC VNX models.

Table 16 Supported models of EMC VNX

Supported model	Collector	Prerequisites	Port	Method
- CLARiiON CX4 (CX4-xxx with FLARE R30, R31, R32) - VNX Operating Environment for Block R32 or later	Text-Collector	Navisphere CLI commands are used to communicate with the VNX. EMC recommends matching Navisphere CLI versions with the Block Operating Environment versions of VNX systems configured in the SolutionPack. For example: If the firmware version of the Block side is 05.32.x, Navisphere CLI 7.32.x or higher should be used. For more information on compatible Block OE and Navisphere CLI versions, see the <i>VNX OE for Block Release Notes</i> and the <i>Unisphere Host Agent/CLI and Utilities Release Notes</i> located on EMC Online Support.	Default TCP	
- VNX Operating Environment for File 7.0 or later - VNX Gateway Operating Environment for File 7.0 or later (VG2, VG8) - Celerra DART 5.6 and 6.0 (NX4, NS-120, NS-480, NS-960)	Text-Collector XML-Collector	XML API available ssh access to VNX-File / Celerra with an “operator” user.		CLI (SSH) XML API

Note

CIFS Ops/s and Top 5 CIFS users reports are supported with Operating Environment for File 7.1 or later.

SolutionPack for EMC VPLEX

This is a list of prerequisites and communication port information supported for the VPLEX versions.

Table 17 Supported versions of VPLEX

Supported model	Collector	Prerequisites	Port
VPLEX 5.0 and higher (Geo and Metro)	XML-Collector SOAP-Collector	CLI access permission	SSH (TCP/ 22)

SolutionPack for Hitachi Device Manager

This is a list of the supported HDS models.

Table 18 Supported models of HDS devices

Supported model	Collector	Prerequisites	Port
- Hitachi Command Suite 7 and higher - AMS200 - AMS2100 - USP_V - HDS9970V	XML-Collector	HiCommand Device manager 7.3 or higher	

SolutionPack for HP EVA

This is a list of the supported HP EVA models.

Table 19 Supported models of HP EVA

Supported model	Collector	Prerequisites	Port
HP EVA 0.2	XML-Collector		

SolutionPack for HP 3PAR StoreServ

This is a list of prerequisites and communication port information for the supported HP3PAR models.

Table 20 Supported models of HP3PAR

Supported model	Collector	Prerequisites	Port
F-Class	Text-Collector		22(SSH)

SolutionPack for IBM DS

This is a list of prerequisites and communication port information for the supported IBM DS models.

Table 21 Supported models of IBM DS

Supported model	Collector	Prerequisites	Port
- DS 3000 Series - DS 4000 Series - DS 5000 Series	XML-Collector	Storage Manager SMClient (SMcli) IBM SMI-S provider	5988 (http) or 5989 (https)
- DS 6000 Series - DS 8000 Series			

SolutionPack for IBM SVC/V7000

This is a list of the supported IBM SVC models.

Table 22 Supported models of IBM SVC

Supported model	Collector	Prerequisites	Port
- SVC and V7000 Code Level 6.1.3 and above 6.3.0.4 (build 54.8.1207100000) 6.3.0.3 (build 54.7.1205100000) 6.3.0.2 (build 54.7.1203230000)	XML-Collector		XML API

SolutionPack for IBM XIV

This is a list of the supported IBM XIV models.

Table 23 Supported models of IBM XIV devices

Supported model	Collector	Prerequisites	Port
IBM XIV	XML-Collector		

SolutionPack for Microsoft Hyper-V

This is a list of the supported Microsoft Hyper-V models.

Note

This SolutionPack can only be installed on a Windows collector host

Table 24 Supported models for Microsoft Hyper-V

Supported model	Collector	Prerequisites	Port
- Hyper-V on Windows Server 2008 R2 Service Pack 1 or newer - Hyper-V Server 2008 Hyper-V Server 2008 or newer	XML-Collector	Requires PowerShell	

SolutionPack for NetApp Filer

This is a list of prerequisites and communication port information for the supported NetApp Filer models.

Table 25 Supported models for NetApp Filer

Supported model	Collector	Prerequisites	Port
- NetApp Filer 7-mode on Ontap v7 or higher - NetApp Filer C-mode on Ontap v8 or higher	Text-Collector		SSH (default port is 22)

SolutionPack for Physical Hosts

This is a list of hosts supported by SRM Suite.

Table 26 Supported hosts in SRM Suite

Supported model	Method	Prerequisites ^a	Collector
- HPUX 11iv1 11.11 - HPUX 11iv2 11.23 - HPUX 11iv3 11.31	SSH	PowerPath 5.2 must be installed on the host to fetch powerpath metrics. INQ 7.6.1.0 perl interpreter 5.6.1 or higher	Generic-RSC
IBM AIX ^b 5.1, 5.2, 5.3, 6.1, 7.1	SSH	PowerPath 5.7 b194 must be installed on the host to fetch powerpath metrics. INQ 7.6.1.0 perl interpreter 5.6.1 or higher	
- LINUX RHEL AS/ES 4.x, 5.x, 6.x - LINUX SUSE ES 9, ES 9.3, ES 10, ES 11	SSH	PowerPath 5.7 must be installed on the host to fetch powerpath metrics. INQ 7.6.1.0 perl interpreter 5.6.1 or higher	
- Microsoft Windows Server 2003 - Microsoft Windows Server 2003 R2 SP2 - Microsoft Windows Server 2003 SP2 - Microsoft Windows Server 2008 Core - Microsoft Windows Server 2008 SP1 - Microsoft Windows Server 2008 SP2 - Microsoft Windows Server 2008 R2 - Microsoft Windows Server 2012 Standard, Enterprise and Datacenter versions	WinRM	PowerPath 5.7 must be installed on the host to fetch powerpath metrics. Requires PowerShell 2.0 INQ 7.6.1.0 (optional)	
Solaris 9, 10, 11	SSH	PowerPath 5.5 P02 HF02 must be installed on the host to fetch powerpath metrics. INQ 7.6.1.0 perl interpreter 5.6.1 or higher	

a. The PowerPath Support Matrix on EMC Online Support Site provides more details.

b. There is no support for discovery and reporting on any AIX VIO Servers.

SolutionPack for VI VirtualWisdom

This is a list of supported versions of VI VirtualWisdom.

Table 27 Supported versions of VI VirtualWisdom

Supported version	Collector	Prerequisites	Port
VI VirtualWisdom v3.x (supported version greater than 3.4.3)	XML-Collector	VirtualWisdom WebServices API	webservices port number (default 8080)

SolutionPack for VMware vCenter

This is a list of supported versions of VMware vCenter.

Table 28 Supported versions of VMware vCenter

Supported version	Collector	Prerequisites	Port
VMware vCenter Server 4.1 and higher		PowerPath/VE 5.8 must be installed on the host to fetch powerpath metrics.	
VMware 4.0, 4.1, 5.0, 5.1	VMware- Collector	VMware Statics logging, Real-Time set to level 3 VMware Infrastructure	