opentext™

Data Protector 10.80
Platform and Integration Support Matrix

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Introduction

For the following Data Protector components, only those combinations of Data Protector components, applications, and operating systems are supported for which the corresponding application versions and operating system versions are supported by the respective vendors.

The supported operating system "Windows Server 2008" and "Windows Server 2008 R2" include support for all editions of "Windows Server 2008" and "Windows Server 2008 R2" including Windows Unified Data Storage Server, where applicable.

The supported operating system "Windows Server 2012" and "Windows Server 2012 R2" includes support for all editions of "Windows Server 2012" and "Windows Server 2012 R2" including Windows Unified Data Storage Server, where applicable.

The supported operating system "Windows Server 2016" includes support for all editions of "Windows Server 2016" including "Windows Server 2016 Datacenter", "Windows Server 2016 Standard" and "Windows Server 2016 Essentials", where applicable. Server Core and Nano Server installations are not supported unless explicitly mentioned.

The supported operating system "Windows Server 2019" includes support for all editions of "Windows Server 2019" including "Windows Server 2019 Datacenter", "Windows Server 2019 Standard" and "Windows Server 20109 Essentials", where applicable. Server Core installations are not supported unless explicitly mentioned.

The minimum patch levels for different Windows versions and editions that are supported by Data Protector are –

Operating System	Patch Level
Windows 7	Windows 7 SP1 (with latest Windows updates)
Windows Server 2008	Windows Server 2008 SP2
Windows Server 2008 R2	Windows Server 2008 R2 SP1
Windows 8.1	Windows 8.1 (with Update 2919355)
Windows Server 2012 R2	Windows Server 2012 R2 (with Update 2919355)
Windows 10	Windows 10 version 1507 or higher

There is no minimum patch level for Windows Server 2016 and Windows Server 2019.

Acronyms used within the matrix are as follows:

SUSE Linux Enterprise Server - SLES

Red Hat Enterprise Linux – RHEL

Support for the major release of a Linux distribution automatically implies the support for subsequent service packs and minor releases. For example, support for SLES 15 implies the support for SLES 15 SP1 as well. Similarly, support for RHEL 8 implies the support for RHEL 8.1 and later minor releases.

In exceptional cases, there may be restrictions based on specific service packs or minor versions. They will be explicitly marked and will override the general support statement.

Support for SUSE Linux Enterprise Server 11 does not include support for Novell Open Enterprise Server 11.

All references in this support matrix document to SUSE Linux Enterprise Server (SLES) includes/implies both SLES and SLES for SAP Applications.

The library libnsl.so.1 is a prerequisite to install Data Protector on RHEL 8 systems

In the case of Data Protector components running in combination with application versions and operating system versions which are not supported by their respective vendors, support from Opentext is limited to a reasonable-endeavors basis. At any time, Opentext can decide to remove those combinations from the DP support matrix.

Updates/changes to individual fields within the Matrix will be highlighted in RED.

What's New

What's New
1.   Support of Disk Agent and Media Agent on AIX 7.3

Table 1: Supported Operating Systems

Supported operating systems	
Data Protector component	**Supported operating systems**
Cell Manager	Windows Server 2012 (64-bit) (x64) Windows Server 2012 R2 (64-bit) (x64) Windows Server 2016 (x64) Windows Server 2019 (x64) RHEL[3] 6, 7, 8 (x64) CentOS 6, 7, 8 (x64) Oracle Linux (OL) 6, 7 (x64) SLES 11, 12, 15 (x64)
Installation Server	Windows Server 2012 (64-bit) (x64) Windows Server 2012 R2 (64-bit) (x64) Windows Server 2016 (x64) Windows Server 2019 (x64) RHEL[3] 6, 7, 8 (x64) CentOS 6, 7, 8 (x64) Oracle Linux (OL) 6, 7, 8 (x64) SLES 11, 12, 15 (x64)
Manager-of-Managers (MoM)	Windows Server 2012 (64-bit) (x64) Windows Server 2012 R2 (64-bit) (x64) Windows Server 2016 (x64) Windows Server 2019 (x64) CentOS 6, 7, 8 (x64) Oracle Linux (OL) 6, 7, 8 (x64) RHEL[4] 6, 7, 8 (x64) SLES 11, 12, 15 (x64)
Reporting Server[23]	Windows Server 2012 R2 (64-bit) (x64) Windows Server 2016 (x64) Windows Server 2019 (x64) CentOS 6, 7, 8 (x64) RHEL 6, 7, 8 (x64) Oracle Linux (OL) 6, 7, 8 (x64) SLES 12 (x64) Ubuntu 14.04 and 16.04 LTS versions

Backup device server (Media Agent), including robotic control	Windows Server 2008 (64-bit) (x64)
	Windows Server 2008 R2 (64-bit) (x64)
	Windows Server 2008 Core (32 bit, 64-bit) (x64)
	Windows Server 2008 R2 Core (64-bit) (x64)
	Windows Server 2012 (64-bit) (x64)
	Windows Server 2012 R2 (64-bit) (x64)
	Windows Server 2012 Core (x64)
	Windows Server 2012 R2 Core (x64)
	Windows Server 2016 (x64)
	Windows Server 2019 (x64)
	Windows Server 2019 Core (x64)
	Novell Open Enterprise Server 11.x for Linux (64-bit)
	Novell Open Enterprise Server 2015 for Linux (64-bit)
	HP-UX (PA-RISC) 11.31[1,2]
	HP-UX (Itanium) 11.23[1,2], 11.31[1,2]
	Sun Solaris (SPARC) 10, 11
	Sun Solaris 10, 11 (x86 and x64)
	Linux (32-bit): RHEL[3] 6
	    SLES 11
	    Oracle Linux 6
	    CentOS 6
	Linux (64-bit): RHEL[3] 6, 7, 8 (x64)
	    SLES 11 (Itanium, x64)
	    SLES 12, 15 (x64)
	    SLES 15 (x64)
	    Oracle Linux (OL) 6, 7,8 (x64)
	    CentOS 6, 7, 8 (x64)

	Scientific Linux 6 (x64) Fedora 26 (x64) Astra Linux Common Edition 2.12.14 (x64) Astra Linux Special Edition 1.6 U2 (x64)
Backup device server (Media Agent), without robotic control	All of the above and the following: IBM AIX 6.x, 7.1, 7.2, 7.3

Backup agents (Disk Agents)	Windows 7 (32-bit)
	Windows 7 (64-bit) (x64)
	Windows 8 (32-bit)
	Windows 8 (64-bit) (x64)
	Windows 8.1 (64-bit) (x64)
	Windows 10 (32-bit)
	Windows 10 (64-bit) (x64)
	Windows Server 2008 (32-bit)[5]
	Windows Server 2008 (64-bit) (x64)[5]
	Windows Server 2008 R2 (64-bit)(x64)
	Windows Server 2008 Core (32bit)[5]
	Windows Server 2008 Core (64-bit) (x64)[5]
	Windows Server 2008 R2 Core (64-bit) (x64)
	Windows Server 2012 (64-bit) (x64)
	Windows Server 2012 R2 (64-bit) (x64)
	Windows Server 2012 Core (x64)
	Windows Server 2012 R2 Core (x64)
	Windows Server 2016 (x64)
	Windows Server 2016 Core (x64)
	Windows Server 2019 (x64)
	Windows Server 2019 Core (x64)
	Novell Open Enterprise Server 11.x for Linux (64-bit)
	Novell Open Enterprise Server 2015 for Linux (64-bit)
	Open Enterprise Server 2018 for Linux (64-bit)
	HP-UX (PA-RISC) 11.31[1,2]
	HP-UX (Itanium) 11.23[1,2], 11.31[1,2]
	Sun Solaris (SPARC) 10, 11[6]
	Sun Solaris (x86, x64) 10, 11[6]
	IBM AIX 6.x, 7.1[7], 7.2, 7.3
	SCO OpenServer 6.0.0
	OpenVMS 8.3[4], 8.4[4] (Alpha)
	OpenVMS 8.3[4], 8.3-1H1[4], 8.4[4] (Itanium)
	Mac OS X Server 10.6.x, 10.11.x (64-bit) (x64)
	Linux (32-bit): RHEL[3] 6
	      SLES 11
	      Oracle Linux (OL) 6
	      CentOS 6
	Linux (64-bit):RHEL[3] 6, 7, 8 (x64)
	      SLES 11[8] (Itanium, x64)
	      SLES 12, 15 (x64)
	      Oracle Linux (OL) 6, 7, 8 (x64)
	      Debian Linux 7.0 (x64)
	      CentOS 6, 7, 8 (x64)
	      Ubuntu 14.04, 16.04, 18.04 and 20.04[25] LTS versions
	      Scientific Linux 6 (x64)
	      Debian[25] 8, 9, 10 (x64)
	      Fedora 26 (x64)
	      SLES ES 6, 7 (x64)
	      SLES 12, 15 for POWER (Little Endian)
	      RHEL 7, 8 on IBM Power (Little Endian)
	      Astra Linux Common Edition 2.12.14 (x64)
	      Astra Linux Special Edition 1.6 U2 (x64)
	additional UNIX platforms via NFS (on UNIX systems)
	additional platforms via shared disks (CIFS /SMB 1, 2, or 3 on Windows systems)

Backup Agents (disk agents) for file system and raw disk backup using AES encryption (FIPS mode)	Windows 8 (32-bit) Windows 8 (64-bit) (x64) Windows 8.1 (64-bit) (x64) Windows 10 (32-bit)

	Windows 10 (64-bit) (x64)
	Windows Server 2008 (32-bit)
	Windows Server 2008 (64-bit) (x64)
	Windows Server 2008 R2 (64-bit) (x64)
	Windows Server 2012 (64-bit) (x64)
	Windows Server 2012 R2 (64-bit) (x64)
	Windows Server 2012 Core (x64)
	Windows Server 2012 R2 Core (x64)
	Windows Server 2016 (x64)
	Windows Server 2016 Core (x64)
	Windows Server 2019 (x64)
	Windows Server 2019 Core (x64)
	HP-UX (PA-RISC) 11.31[1,2]
	HP-UX (Itanium) 11.23[1,2], 11.31[1,2]
	Sun Solaris (SPARC) 10, 11 [6]
	Linux (32-bit): RHEL[3] 6
	                              SLES 11
	                              Oracle Linux (OL) 6
	                              CentOS 6
	Linux (64-bit): RHEL[3] 6, 7,8 (x64)
	                              SLES 11[8] (Itanium, x64)
	                              SLES 12 (x64)
	                              SLES 15 (x64)
	                              Oracle Linux (OL) 6, 7, 8
	                              CentOS 6, 7, 8
	                              Scientific Linux 6 (x64)
	                              Debian[25] 8, 9, 10 (x64)
	                              SLES for POWER 12 (little endian mode)
	                              SLES ES 6, 7 (x64)
	                              Ubuntu 18.04 LTS version and 20.04[25] LTS versions
	                              Astra Linux Common Edition 2.12.14 (x64)
	                              Astra Linux Special Edition 1.6 U2 (x64)

Backup device server (Media Agent), including robotic control using LTO drive based encryption (AES-GCM)	Windows Server 2008 (32-bit)
	Windows Server 2008 (64-bit) (x64)
	Windows Server 2008 R2 (64-bit) (x64)
	Windows Server 2012 (64-bit) (x64)
	Windows Server 2012 R2 (64-bit) (x64)
	HP-UX (PA-RISC) 11.31[1,2]
	HP-UX (Itanium) 11.23[1,2], 11.31[1,2]
	Linux (32-bit): RHEL[3] 6
	                              SLES 11
	                              Oracle Linux (OL) 6
	                              CentOS 6
	Linux (64-bit): RHEL[3] 6, 7 (x64)
	                              SLES 11 (Itanium, x64)
	                              SLES 12 (x64)
	                              Oracle Linux (OL) 6, 7 (x64)
	                              CentOS 6, 7 (x64)

Data Protector StoreOnce B2D Software Store	Windows Server 2008, 2008 R2, 2012, 2012 R2 (64-bit)(x64),
	Windows Server 2016, 2019 (x64), Windows Server 2019 Core (x64)
	Linux (64-bit): RHEL[3] 6, 7, 8 (x64)
	                              SLES 11, 12, 15 (x64)
	                              Oracle Linux (OL) 6, 7, 8 (x64)
	                              CentOS 6, 7, 8 (x64)

StoreOnce Application Source and Backup Server Deduplication using Catalyst[9,10]	Windows Server 2008, 2008 R2, 2012, 2012 R2 (64-bit) (x64), Windows Server 2016, 2019 (x64), Windows Server 2019 Core (x64)
	HP-UX (Itanium) 11.23[1,11], 11.31[1,11]
	Solaris (SPARC) 10, 11 (64-bit)
	AIX 6.1, 7.1 (64-bit)[12],7.2(64-bit)[12]
	Linux (64-bit) RHEL[3] 6, 7, 8 (x64)
	                            SLES 11, 12, 15 (x64)
	                            Oracle Linux (OL) 6, 7, 8 (x64)
	                            CentOS 6, 7, 8 (x64)
	                            Fedora 26 (x64)

EMC Data Domain Boost Application Source and Backup Server Deduplication[13]	Windows Server 2008, 2008 R2, 2012, 2012 R2[14] (64-bit) (x64), Windows Server 2016, 2019 (x64), Windows Server 2019 Core (x64)
	HP-UX (Itanium) 11.31[14]
	AIX 7.1 (64-bit)[15], 7.2 (64-bit)[15]
	Solaris (SPARC) 10, 11 (64-bit)
	Linux (64-bit): RHEL 6, 7, 8 (x64)
	                SLES 11, 12, 15 (x64)
	                Oracle Linux (OL) 6, 7, 8 (x64)
	                CentOS 6, 7, 8 (x64)

Smart Cache Backup Server [16,17,18]	Windows Server 2008, 2008 R2, 2012, 2012 R2 (64-bit)(x64)
	Windows Server 2016, 2019 (x64), Windows Server 2019 Core (x64)
	Linux (64-bit): RHEL 6, 7, 8 (x64)
	                SLES 11, 12, 15 (x64)
	                Oracle Linux (OL) 6, 7, 8 (x64)
	                CentOS 6, 7, 8 (x64)

HPE Cloud Volumes Backup using Catalyst	Windows Server 2012, 2012 R2 (64-bit)(x64) Windows Server 2016, 2019 (x64), Windows Server 2019 Core (x64)

Cloud (AWS S3 and Amazon S3 compatible Ceph and Scality) Device [22]	Windows Server 2012, 2012 R2, 2016, 2019 (64bit) (x64)
	Windows Server 2019 Core (x64)
	Linux (64bit): RHEL 6, 7, 8 (x64)
	                SLES 11, 12, 15 (x64)
	                Oracle Linux (OL) 6, 7, 8 (x64)
	                CentOS 6, 7, 8 (x64)
	                Fedora 26 (x64)

Cloud AWS S3 Glacier[22,24]	Windows Server 2012, 2012 R2, 2016, 2019 (64bit) (x64)
Cloud AWS S3 Deep Archive Glacier[22,24]	Windows Server 2012, 2012 R2, 2016, 2019 (64bit) (x64)

Cloud (Azure) Device	Windows Server 2008, 2008 R2, 2012, 2012 R2, 2019 (64-bit) (x64)
	Windows Server 2019 Core (x64)
	Linux (64-bit): RHEL 6, 7, 8 (x64)
	                SLES 11, 12, 15 (x64)
	                Oracle Linux (OL) 6, 7, 8 (x64)
	                CentOS 6, 7, 8 (x64)
	                Fedora 26 (x64)

H3C Application Source and Backup Server Deduplication using Catalyst [19, 20]	Windows Server 2008, 2008 R2, 2012, 2012 R2 (64-bit) (x64)
	HP-UX (Itanium) 11.23[1], 11.31[1]
	Solaris (SPARC) 10, 11 (64-bit)
	AIX 6.1, 7.1 (64-bit)[21]
	Linux (64-bit): RHEL[3] 6, 7 (x64)
	                SLES 11, 12 (x64)
	                Oracle Linux (OL) 6, 7 (x64)
	                CentOS 6, 7 (x64)

1   HP-UX 11.23 is HP-UX 11i version 2.0.
      HP-UX 11.31 is HP-UX 11i version 3.0.
2   NIS+ is supported in a DNS environment.
3   Includes support for Red Hat Enterprise Linux Workstation and Enterprise Server if applicable.
4   Push installation not possible, need to be installed locally.
5   Requires installation of Windows patch KB2748349.
6   System Extended Attributes are not supported.
7   Includes support for Veritas Cross-Platform Data Sharing (CDS) disk.
8   SLES 11 (x64) High Availability Extension is supported
9   Supports StoreOnce software version 4.2 and earlier (CloudBank support from 3.18). For information on the StoreOnce Backup systems and features supported by this StoreOnce software version, see the *BURA Compatibility Matrix* available at www.hpe.com/storage/BURACompatibility.
10   StoreOnce system Catalyst version 3.16.x and later releases support replication over Fibre Channel (FC).
11   Backup to the Data Protector StoreOnce Software store is not supported.
12   Support for StoreOnce Catalyst version 4.2 and earlier over Fibre Channel (FC) with AIX platform requires to have dedicated ports for every StoreOnce node. For more information, see StoreOnce documentation.
13   Supported for DDOS versions 6.1 or later.
14   In addition to Data Domain Boost functionality, CIFS, NFS and VTL capabilities can be used with Data Protector. DDOS versions 6.1 or later are required for these additional capabilities.
15   Data Domain Boost devices configured on AIX using the Fibre Channel (FC) protocol supports only one Data Protector connection per SAN path or Data Domain end point. Due to this, AIX gateways using the Fibre Channel interface automatically get their 'Max. Number of Parallel connections per Gateway' parameter set to 1. Operations such as consolidation and replication need multiple connections per operation and will not succeed with this configuration. If additional SAN paths are added, then the AIX server's gateway settings should be modified to allow these operations to succeed.
16   Supports all NAS and SAN devices using CFS and NFS shares, and SAN devices using the local FS mount.
17   Device on Microsoft Azure StoreSimple is supported via Smart Cache device.
18   A Smart Cache device is not supported on a virtual node in a clustered environment.
19   H3C system hosted Catalyst stores version 3.16.x supports replication over Fibre Channel (FC).
20   Supports H3C software version 3.16.x, 3.15.x and 3.14.x. For information on the H3C Backup systems and features supported by this H3C software version, see the *BURA Compatibility Matrix* available at www.hpe.com/storage/BURACompatibility.

21   Support for H3C Catalyst version 3.16.x, 3.15.x and 3.14.x over Fibre Channel (FC) with AIX platform requires to have dedicated ports for every H3C node. For more information, see H3C documentation.
22   Supported targets must comply with Amazon Signature Version 4 requirements.
23   Reporting server can't be installed on Data Protector Cell Manager / Installation server / Client. It needs to be installed on a separate server
24   Cloud devices AWS S3 Glacier and Deep Archive Glacier can be used only for Data Protector File system, MSSQL, and MS Exchange integration backups
25   rpm and bc packages to be installed for Disk Agent installation

Table 2: Supported CLI Platforms and Localization

Supported CLI platforms and localization	
Operating system	**Supported local languages**
Windows	English French Japanese Simplified Chinese
HP-UX	English French Japanese Simplified Chinese
Solaris	English
Linux	English French Japanese Simplified Chinese
IBM AIX	English
Novell Open Enterprise Server	English
SCO OpenServer	English
OpenVMS	English
VMware ESX	English
Mac OS X Server	English

Table 3: Graphical User Interface Support

Graphical user interface support[1]	
GUI component	**Supported operating system**
Native Windows graphical user interface	Windows 7 SP1 (32-bit) Windows 7 SP1 (64-bit) (x64) Windows 8.1 (32-bit) Windows 8.1 (64-bit) (x64) Windows 10 (32-bit) Windows 10 (64-bit) (x64) Windows Server 2008 R2 SP1 (64-bit) (x64) Windows Server 2012 (64-bit) (x64) Windows Server 2012 R2 (64-bit) (x64) Windows Server 2016 (x64)[2] Windows Server 2019 (x64)[2]

1   Graphical user interface is supported for following languages:
    •   English
    •   French
    •   Japanese
    •   Simplified Chinese
2   Only English language is supported.

Table 4: Platform Restrictions for Supported Operating Systems

Platform restrictions for supported operating systems		
Operating system	**Supported Processor**	**Platforms**
HP-UX	PA-RISC 2.0	(HP-UX 11.31)
	Itanium	(HP-UX 11.23, 11.31)
Windows	x86, x86_64	(for 32-bit Windows)
	x86_64	(for 64-bit Windows)
Linux	x86, x86_64	(for 32-bit Linux)
	Itanium, x86_64	(for 64-bit Linux)
	PowerPC (LE)	(for 64-bit Linux)
Sun Solaris	SPARC	
	x86, x86_64	(for Solaris 10,11 Disk Agent and Media Agent only)
OpenVMS	Itanium	
	Alpha	
Mac OS X	x86_64	(Mac OS X 10.6.x, 10.11.x)

The following table includes combinations of only those applications and operating systems that are supported by the respective vendors. Software-based encryption is supported for all integrations except ZDB[7].

Table 5: Supported online database and application integrations

Supported online database and application integrations		
Databases/Applications	**Supported versions**	**Operating System with versions**
Oracle (32-bit) (including Oracle Data Guard/Standby Database support)	Oracle 11g Recovery Manager[1]	Windows Server 2008 (32-bit) SLES 11 (32-bit)
	Oracle 11g R2 Recovery Manager[1]	SLES 11 (32-bit)
Oracle (64-bit)	Oracle 10g R2 Recovery Manager	HP-UX 11.31 (64-bit) (Itanium) Windows Server 2008 R2 (SP1) (64-bit) SLES 11 (x64) AIX 6.1 (64-bit) Solaris (SPARC) 10 (64-bit) Solaris 10 (x64)
Oracle (64-bit) (Including Oracle Data Guard /Standby Database support)	Oracle 10g R2	Windows Server 2008 R2 (64-bit) (x64) Solaris (SPARC) 10 SLES 11
	Oracle 11g Recovery Manager[1]	HP-UX 11.23, 11.31 (64-bit) (Itanium) HP-UX 11.23, 11.31 (64-bit) (PA-RISC) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) RHEL[2] 6 (x64) SLES 11 (x64) Oracle Linux (OL) 6 (64-bit) (x64) Solaris (SPARC) 10,11 (64-bit) AIX 6.x (64-bit)
	Oracle 11g R2 Recovery Manager[1]	HP-UX 11.31 (64-bit) (Itanium, PA-RISC) Windows Server 2008 (x64) Windows Server 2008 R2 (x64) Windows Server 2012 (x64) Windows Server 2012 R2 (x64) RHEL[2] 6, 7 (x64) SLES 11 (x64) Oracle Linux (OL) 6, 7 (x64) CentOS 6 (64-bit)(x64) AIX 6, 7.1 (64-bit)

		Solaris (SPARC) 10, 11 (64-bit) Solaris 10, 11 (x64)
	Oracle 12c R1 Recovery Manager[14]	HP-UX 11.31 (64-bit) (Itanium) Windows Server 2008 (x64) Windows Server 2008 R2 (x64) Windows Server 2012 (x64) Windows Server 2012 R2 (x64) RHEL 6, 7 (x64) (with or without HPE ServiceGuard) SLES 11, 12 (x64) Oracle Linux (OL) 6, 7 (64-bit)(x64) CentOS 6, 7 (x64) AIX 6.1, 7.1 (64-bit), 7.2 (64-bit) Solaris (SPARC) 10, 11 (64-bit) Solaris 10, 11 (x64)
	Oracle 12c R2 Recovery Manager[14]	HP-UX 11.31 (64-bit) (Itanium) Windows Server 2012 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64) RHEL 6, 7 (x64) (with or without HPE ServiceGuard) SLES 12 (x64) SLES 15 (x64) Oracle Linux (OL) 7 (x64) CentOS 6, 7 (x64) AIX 7.1, 7.2 (64-bit) Solaris (SPARC) 11 (64-bit) Solaris 11 (x64)
	Oracle 18c Recovery Manager[14]	HP-UX 11.31 (64-bit) (Itanium) Windows Server 2012 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64) RHEL 7 (x64) Oracle Linux (OL) 7 (x64) SLES 12 (x64) Solaris (SPARC) 11 (64-bit) Solaris 11 (x64) AIX 7.1, 7.2 (64-bit)
	Oracle 19c Recovery Manager[14]	HP-UX 11.31 (64-bit) (Itanium) Windows Server 2012 R2 (x64) Windows Server 2016 (x64) Windows Server 2019 (x64) RHEL 7, 8 (x64) Oracle Linux (OL) 7, 8 (x64) SLES 12, 15 (x64) AIX 7.1, 7.2 (64-bit) Oracle Solaris 11 on SPARC (64-bit)
Informix (64-bit)	Informix IDS 11.5	HP-UX 11.23, 11.31 (Itanium) HP-UX 11.31 (PA-RISC) RHEL[2] 6 (x64) SLES 11 (x64) Solaris (SPARC) 10 AIX 6.x, 7.1
	Informix IDS 11.7	HP-UX 11.31(Itanium, PA-RISC) Windows Server 2008 R2 (x64) RHEL[2] 6 (x64) SLES 11 (x64) Solaris (SPARC) 10, 11 AIX 6.1, 7.1 (64-bit)
	Informix IDS 12.1	HP-UX 11.31 (64-bit)(Itanium) RHEL[2] 6, 7 (x64) SLES 11, 12 (x64) Solaris (SPARC) 11 (64-bit) AIX 7.1 (64-bit), AIX 7.2 (64-bit)
Sybase (64-bit)	Sybase Adaptive Server Enterprise 15.x	HP-UX 11.23, 11.31 (Itanium) HP-UX 11.31 (PA-RISC) Solaris (SPARC) 10 AIX 6.x
	Sybase Adaptive Server Enterprise 15.7	HP-UX 11.31 (Itanium)

		Windows Server 2008 R2 (x64) Windows Server 2012 R2 (x64) RHEL[2] 6 (x64) SLES 11, 12 (x64) Solaris (SPARC) 10, 11 AIX 6.1, 7.1
	Sybase Adaptive Server Enterprise 16	HP-UX 11.31 (Itanium) Windows Server 2012 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64) Windows Server 2019 (x64) RHEL[2] 6, 7, 8 (x64) SLES 11, 12, 15 (x64) Solaris (SPARC) 10, 11 AIX 6.1, 7.1, 7.2
Microsoft SQL Server (32-bit)	Microsoft SQL Server 2012[7,11]	Windows Server 2008
	Microsoft SQL Server 2014[7,11]	Windows Server 2012 R2
Microsoft SQL Server (64-bit)	Microsoft SQL Server 2012[7,11]	Windows Server 2008 (x64) Windows Server 2008 R2 (x64) Windows Server 2012 (x64) Windows Server 2012 R2 (x64)
	Microsoft SQL Server 2014[7,11]	Windows Server 2008 (x64) Windows Server 2008 R2 (x64) Windows Server 2012 (x64) Windows Server 2012 R2 (x64)[17] Windows Server 2016 (x64) [17]
	Microsoft SQL Server 2016[7,11]	Windows Server 2012 (x64) Windows Server 2012 R2 (x64) [17] Windows Server 2016 (x64) [17] Windows Server 2019 (x64) [17]
	Microsoft SQL Server 2017[7,11]	Windows Server 2012 (x64) Windows Server 2012 (x64) R2 (x64)[17] Windows Server 2016 (x64)[17] Windows Server 2019 (x64) [17]
	Microsoft SQL Server 2019[7,11]	Windows Server 2016 (x64) [17] Windows Server 2019 (x64) [17]
Microsoft SQL Server Premium Edition (64-bit)	Microsoft SQL Server 2014[7,11]	Windows Server 2012 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64)
	Microsoft SQL Server 2016[7,11]	Windows Server 2012 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64) Windows Server 2019 (x64)
Microsoft SharePoint[12]	Microsoft SharePoint Server 2010[3]	Windows Server 2008 (32-bit) Windows Server 2008 (64-bit) (x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64)[8]
	Microsoft SharePoint Server 2013[3]	Windows Server 2008 R2 (SP1) (x64) Windows Server 2012 (x64) Windows Server 2012 R2 (x64)
	Microsoft SharePoint Server 2016	Windows Server 2016 (x64) Windows Server 2019 (x64)
	Microsoft SharePoint Server 2019	Windows Server 2016 (x64) Windows Server 2019 (x64)
	Windows SharePoint Services 3.0	Windows Server 2008 (32-bit) Windows Server 2008 (64-bit) (x64)
	Microsoft SharePoint Foundation 2010	Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64)
	Microsoft SharePoint Foundation 2013[3]	Windows Server 2008 R2 (SP1) (x64) Windows Server 2012 (x64) Windows Server 2012 R2 (x64)
Microsoft Exchange Server (including single mailbox and	Microsoft Exchange Server 2010	Windows Server 2008 (64-bit) (x64)[9] Windows Server 2008 R2 (64-bit) (x64)[9]

folder and DAG[16] backup / restore)		Windows Server 2012[9]
	Microsoft Exchange Server 2013[9,10]	Windows Server 2008 R2 (x64) Windows Server 2012 (x64) Windows Server 2012 R2 (x64)
	Microsoft Exchange Server 2016[9,10]	Windows Server 2012 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64)
	Microsoft Exchange Server 2019	Windows Server 2019 (x64)
IBM DB2 (64-bit)	IBM DB2 10.1	HP-UX 11.31 (Itanium) Windows Server 2008 (x64) Windows Server 2008 R2 (x64) RHEL 6 (64-bit) (x64) SLES 11 (x64) AIX 7.1 (64-bit)
	IBM DB2 10.5	HP-UX 11.31 (Itanium) Windows Server 2008 R2 (64-bit)(x64) Windows Server 2012 (64-bit) (x64) Windows Server 2012 R2 (64-bit) (x64) RHEL 6, 7 (x64) SLES 11, 12 (x64) AIX 7.1 (64-bit) AIX 7.2 (64-bit)
	IBM DB2 11.1	Windows Server 2012 (64-bit) (x64) Windows Server 2012 R2 (64-bit) (x64) Windows Server 2016 (64-bit) (x64) RHEL 7 (x64) SLES 12 (x64) AIX 7.2 (64-bit)
Lotus Notes, Lotus Domino (64-bit) (including single mailbox backup and restore)	IBM Notes and Domino 9.0.x	Windows Server 2012 (64-bit) (x64) Windows Server 2012 R2 (64-bit) (x64) Windows Server 2016 (64-bit) (x64) RHEL 6 (x64) SLES 11 (x64) AIX 6.x, 7.1 (64-bit), 7.2 (64-bit)
SAP MaxDB (64-bit) (online integration based on 'Backint for SAP MaxDB')	SAP MaxDB version 7.6	HP-UX 11.23, 11.31 (Itanium) HP-UX 11.31 (PA-RISC) AIX 6.1 (x64)
	SAP MaxDB version 7.7	HP-UX 11.31 (PA-RISC) HP-UX 11.23, 11.31 (PA-RISC, Itanium) Windows Server 2008 (x64) SLES 11 (Itanium, x64) AIX 6.1, 7.1
	SAP MaxDB version 7.8	HP-UX 11. 31 (Itanium) Windows Server 2008 (x64) Windows Server 2008 R2 (x64) RHEL 6 (x64) SLES 11 8 (x64) AIX 6.1, 7.1(64bit)
	SAP MaxDB version 7.9	HP-UX 11. 31 (Itanium) Windows Server 2008 (x64) Windows Server 2008 R2 (x64) Windows Server 2012 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64) Windows Server 2019 (x64) RHEL 6 (x64) SLES 11, 12, 15 (x64) AIX 6.1, 7.1 (64-bit), 7.2 (64-bit)
SAP NetWeaver[4] (32-bit)	SAP BR*Tools 7.2, using backint or RMAN mode	RHEL[2] 6 SLES 11
SAP NetWeaver[4] (64-bit)	SAP BR*Tools 7.2, using backint or RMAN mode[6]	HP-UX 11.31 (Itanium, PA-RISC) Windows Server 2008 (x64) Windows Server 2008 R2 (x64)

		Solaris (SPARC) 10, 11 AIX 6.x, 7.1 RHEL[2] 6 (x64) SLES 11 (Itanium, x64) Oracle Linux (OL) 6 (x64)
	SAP BR*Tools 7.4, using backint or RMAN mode	HP-UX 11.31 (Itanium) Windows Server 2008 (x64) Windows Server 2008 R2 (x64) Windows Server 2012 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64) SLES 11, 12, 15 (x64) RHEL 6, 7 (x64) Oracle Linux 6 (x64) Solaris (SPARC) 11 AIX 6.1, 7.1, 7.2
SAP HANA (64-bit)	SAP HANA 1.0[15] (SPS 12 & earlier)	RHEL[2] 6, 7 (x64) SLES[13] 11, 12 (64-bit) (x64)
	SAP HANA 2.0[15] (Includes all SPS)	RHEL[2] 7 (x64), SLES 12, 15 for POWER (Little Endian) SLES 12,15 (x64) RHEL[2] 7, 8 on IBM Power (Little Endian)
MySQL (64-bit)	MySQL version 5.6 MEB 3.10, 3.11, 3.12	Windows Server 2008 (x64) Windows Server 2008 R2 (x64) Windows Server 2012 (x64) Windows Server 2012 R2 (x64) SLES 11, 12 (x64) RHEL[2] 6, 7 (x64)
	MySQL version 5.7 MEB 4.0	Windows Server 2008 R2 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64) SLES 11, 12 (x64) RHEL[2] 6, 7 (x64)
	MySQL version 5.7 MEB 4.1	Windows Server 2012 R2 (x64) Windows Server 2016 (x64) SLES 12 (x64) RHEL[2] 7 (x64)
	MySQL version 8.0 MEB 8.0	Windows Server 2012 R2 (x64) Windows Server 2016 (x64) Windows Server 2019 (x64) SLES 11, 12, 15 (x64) RHEL[2] 7, 8 (x64)
PostgreSQL (64-bit)	PostgreSQL version 9.2	Windows Server 2008 R2 (x64) Windows Server 2012 R2 (x64) RHEL[2] 6 (x64) SLES 11 (x64)
	PostgreSQL version 9.3	Windows Server 2008 R2 (x64) Windows Server 2012 R2 (x64) RHEL[2] 6 (x64) SLES 11 (x64)
	PostgreSQL version 9.4	Windows Server 2008 R2 (x64) Windows Server 2012 R2 (x64) RHEL[2] 6, 7 (x64) SLES 11, 12 (x64)
	PostgreSQL version 9.5	Windows Server 2008 R2 (x64) Windows Server 2012 R2 (x64) RHEL[2] 6, 7 (x64) SLES 12 (x64)
	PostgreSQL version 9.6	Windows Server 2008 R2 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64) RHEL[2] 6, 7 (x64) SLES 12 (x64)
	PostgreSQL version 10	Windows Server 2012 R2 (x64) Windows Server 2016 (x64) RHEL[2] 6, 7 (x64) SLES 12 (x64)
PostgresPro[18]	PostgresPro version 11.5.x	RHEL[2] 6, 7 (x64) SLES 12, 15 (x64)

1   Oracle 11g covers all released versions of Oracle 11g and 11g R2: i.e. 11x.x.
2   Includes support for Red Hat Enterprise Linux Workstation and Enterprise Server also.
3   SharePoint Granular Recovery Extension is also supported.
4   Data Protector uses the official SAP backup and restore API (BR*Tools), which is available only in conjunction with Oracle database. Therefore, Data Protector support only depends on the SAP BR*Tools version (as supported by SAP in combination with various SAP kernels) and not on the SAP kernel version.

6   BR*Tools 7.20 is the recommended version of the tools for Oracle 11g. To be able to use BR*Tools under Oracle 11g on Unix platforms (except for AIX), you must set up the following soft link in $ORACLE_HOME/lib:
     > ln -s libnnz11.so libnnz10.so
7   For MS SQL integration fast direct mode backup, Data Protector client based AES encryption is not supported.
8   Microsoft FAST Search Server 2010 for SharePoint is supported.
9   Microsoft Exchange Server Granular Recovery Extension is also supported.
10   Backup and restore of single mailbox, folder, and DAG are supported only through MS Exchange Granular Recovery Extension.
11   Data Protector can backup and restore SQL Server databases encrypted with Transparent Data Encryption. IMPORTANT NOTE: It is the user's responsibility that the exact combination of encryption keys / certificates are used for backup and for restore.
     If encryption keys / certificates change between the time of backup and restore, the Data Protector restore will not work, unless all needed keys / certificates were copied and restored manually as described in http://msdn.microsoft.com/en-us/library/bb964742.aspx and supported through Microsoft. This process is complex and could be error prone. The key / certificate handling process is manual and not integrated into Data Protector and is therefore not supported by Opentext in case it is not correctly applied by the user.
12   Microsoft SQL Server 2012, 2014 and 2016 (StandAlone and Always On Availability Group) is supported for Microsoft SharePoint 2013 and Microsoft SQL Server 2016 (StandAlone and Always On Availability Group) is supported for Microsoft SharePoint 2016 and Microsoft SharePoint 2019
13   Btrfs File System is supported only with SLES 11 SP3 and later.
14   Backup & Recovery of Container and Pluggable Databases (CDB & PDB) are supported.
15   Single/Multiple Container and Multitenant Database Container are supported.
16   Microsoft Exchange Server DAG configured without a Cluster Administrator Access Point is supported only with Round Robin DNS mapping of the DAG name to all the node IPs
17   Availability Group configuration is supported with Microsoft SQL Server.
18   This a scripted solution, available from the ITOM marketplace (https://marketplace.microfocus.com/)

Table 6: Other supported applications

Other supported applications	
Application agents	**Supported databases and integrations**
Storage Optimizer 5.x	• Windows Server 2008 and higher
All HSM software based on the Windows NTFS offline feature	• Windows Server 2008 and higher

Cluster support: Table 7 shows the cluster support for the Cell Manager component. All other agents are supported in a clustered environment on a particular platform, unless specifically called out in the table.

Table 7: Supported clusters

Supported clusters[4, 5]		
Cluster software	**Supported cluster software version**	**Operating System with Version**
HPE MC/ServiceGuard (including Veritas CFS)	• HPE MC/ServiceGuard 12.00.x for Linux	RHEL 6, 7 (x64), SLES 11, 12 (x64)
	• HPE MC/ServiceGuard 12.3x for Linux	RHEL 7 (x64)
	• HPE MC/ServiceGuard 11.2x for Linux [1, 3]	RHEL 6, 7 (x64), SLES 11 (x64)
Microsoft Cluster Server	• Microsoft Failover Cluster [2]	Windows Server 2012 (64-bit) (x64) Windows Server 2012 R2 (64-bit) (x64) Windows Server 2016 (64-bit) (x64) Windows Server 2019 (64-bit) (x64)
Veritas (InfoScale) Cluster Server	• Veritas (InfoScale) Cluster Server 5.1 (Disk Agent and Cell Manager)	Windows 2008 R2 (64bit)(x64) RHEL 6.0,6.3 (x64) SLES 11 (x64)
	• Veritas (InfoScale) Cluster Server 6.2 (Disk Agent and Cell Manager)	RHEL 6.6 (x64)
	• Veritas (InfoScale) Cluster Server 7.3 (Disk Agent and Cell Manager)	RHEL 7.5 (x64) SLES 12 (x64)

1   Procedures for installing and configuring Data Protector on MC/ServiceGuard with Linux are available in the *Data Protector Help*. Zero Downtime Backup with SMIS Agent is not supported.
2   Includes support for Cell Manager on 'Majority Node Cluster'.
3   With HPE MC/ServiceGuard A.11.20.20 on Linux the CONFIGURATION backup needs to be excluded from the backup specification. BMDR is not supported.
4   Data Protector supports clustering provided through native operating system as long as OS support is listed in this document for the specific Data Protector component
5   StoreOnceSoftware Agent is not supported in cluster environment

Table 8: Supported application clusters

Supported application clusters	
Software clusters and clustered applications	**Supported versions and Operating Systems**
Novell GroupWise	Novell GroupWise 8.0 Novell OES 11 for Linux 64-bit
Oracle 11g RAC (including OCFS and CRS wherever applicable)	RHEL 6 (x64) (using Redhat Cluster Suite) SLES 11 HP-UX 11.23, HP-UX 11.31 (with or without MC/ServiceGuard) Windows Server 2008 (using Microsoft Failover Cluster) Windows Server 2008 R2 (using Microsoft Failover Cluster) Windows Server 2008 (using Veritas (InfoScale) Cluster Server) Windows Server 2008 R2 (using Veritas (InfoScale) Cluster Server) Solaris (SPARC) 10 AIX 6.x Oracle Linux (OL) 6.5 (64-bit)
Oracle 11g R2 RAC (including OCFS and CRS wherever applicable)	HP-UX 11.31 (with or without MC/ServiceGuard) RHEL 6 (x64) (using Redhat Cluster Suite) SLES 11 (32bit) (x86), (64bit) (x64) Oracle Linux (OL) 6 (64-bit) AIX 6.x, 7.1 (64-bit) Windows Server 2008 (using Microsoft Failover Cluster) Windows Server 2008 R2 (using Microsoft Failover Cluster) Windows Server 2012 (64-bit) Windows Server 2012 R2 (64-bit) Solaris (SPARC) 10, 11 (64-bit)
Oracle 12c R1 RAC (including OCFS and CRS wherever applicable)	Windows Server 2012 (using Microsoft Failover Cluster) Windows Server 2012 R2 (x64) Oracle Linux (OL) 6, 7 (x64) RHEL 6, 7 (x64) (using Redhat Cluster Suite and with or without MC/ServiceGuard) SLES 11 (64-bit) (x64) HP-UX 11.31 (Itanium) (with or without MC/ServiceGuard) Solaris (SPARC) 10,11 AIX 7.1 (64-bit)
Oracle 12c R2 RAC (including OCFS and CRS wherever applicable)	Windows Server 2016 (x64) RHEL 6, 7 (x64) (using Redhat Cluster Suite and with or without MC/ServiceGuard) AIX 7.2 (64-bit)
Oracle 18c RAC (including OCFS and CRS wherever applicable)	Windows Server 2012 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 (x64) RHEL 7 (x64) SLES 12 (x64) Solaris (SPARC) 11
Oracle 19c RAC (including OCFS and CRS wherever applicable)	Windows Server 2012 R2 (x64) Windows Server 2016 (x64) Windows Server 2019 (x64) RHEL 7 (x64) Oracle Linux (OL) 7 (x64) HP-UX 11.31 (64-bit) (Itanium) SLES 12, 15 (x64) Oracle Solaris 11 on SPARC (64-bit)
IBM DB2 Partitioned Database[1]	HP-UX 11.23, 11.31 (Itanium) AIX 6.x, 7.1 (64-bit) SLES 11 (x64) Windows Server 2008 (x64) Windows Server 2008 R2 (x64)

1   DB2 partitioned databases support is currently limited to single host partitions.
2   Includes support for Red Hat Enterprise Linux Advanced Workstation and Enterprise Server also.
3   Backup & Recovery of Container and Pluggable Databases (CDB & PDB) are supported.

Table 9: Supported file systems

Supported file systems	
Operating system	**File systems**
Windows Server 2008	NTFS 3.1(including disk image backup) FAT16, FAT32 CIFS
Windows 7 / Windows Server 2008 R2	NTFS 3.1(including disk image backup) FAT16, FAT32 CIFS
Windows 8/ Windows 10 / Windows Server 2012 / Windows Server 2012 R2 / Windows Server 2016 / Windows Server 2019	NTFS 3.1(including disk image backup) FAT32 CIFS REFS
Novell Open Enterprise Server	NSS
HP-UX [1]	HFS (including rawdisk backup) NFS LOFS [2] (loopback file system) VxFS (including rawdisk backup) DCE DFS EVFS (HP-UX 11.23 only as rawdisk backup) NetApp Filer NFS
Solaris[1]	UFS NFS PC FS (MS DOS compatible file system) HSFS VxFS Tmp FS LOFS [2] (Loopback file system) ZFS
IBM AIX[1]	JFS (journaling file system) JFS2 GPFS VxFS
SCO OpenServer[1]	HTFS (High Throughput file system) DTFS S51K S52K
Linux (Redhat, SUSE, Debian, Oracle Enterprise Linux, CentOS)[1,5]	ext, ext2, ext3, ext4 minix xiafs ReiserFS[4] VxFS XFS[3] VFAT SFS/LustreFS NFS GFS GFS2 OCFS2[4] GPFS ACFS IBRIX (Extended attribute) NetApp Filer NFS Btrfs
OpenVMS	ODS-2 ODS-5
Mac OS X Server	HFS+

1   Raw disk backup is supported.
2   Raw disk backup is not supported.
3   XFS is supported on RHEL6, RHEL 7, RHEL 8, SLES 12, 15 and CentOS 7, 8
4   SLES 12 is not supported.

5   Only ext3, ext4 and XFS are supported on SLES for POWER 12 (little endian mode)

Table 10: ACL support

ACL support[1]	
Operating system	**File system**
Windows Server 2008	NTFS
Windows 7	NTFS
Windows Server 2008 R2	NTFS
Windows 8	NTFS
Windows 10	NTFS
Windows Server 2012	NTFS
Windows Server 2016	NTFS
Windows Server 2019	NTFS
HP-UX	HFS
HP-UX	VxFS[2]
OpenVMS	ODS-2, ODS-5
Solaris	UFS, VxFS (3.5), ZFS
Linux	ext3 ext4 SFS/LustreFS XFS[3]
Mac OS X Server	HFS+

1   The basic and extended ACL limits are based on the kernel or file system limits in the respective operating systems.
2   For HP-UX 11i v2 and 11i v3 maximum supported ACLs are 1024.
3   Supported on RHEL 7, CentOS 7 and Oracle Linux 7