神州云科
Yunke China

HDP Series Appliance Software 10.1 - 10.x.x
OS Software Compatibility List

Created on November 29, 2023

Introduction

This Software Compatibility List (SCL) document contains information for HDP Appliance Software 10.1 through 10.x.x. It covers Backup Server (which includes Enterprise Server and Server), Client, Bare Metal Restore (BMR), Clustered Primary Server Compatibility and Storage Stacks, Deduplication, File System Compatibility, OpsCenter, HDP Appliance Software Access Control (NBAC), SAN Media Server/SAN Client/FT Media Server, Virtual System Compatibility and HDP Appliance Software Self Service Support. It is divided into bookmarks on the left that can be expanded.

Browser Requirements for the Web User Interface (HDP Appliance Software Web UI)

The HDP Appliance Software WebUI is compatible with the latest vendor-supported versions of web browsers.
For the best experience with the HDP Appliance Software WebUI, DC Yunke recommends that you use Google Chrome or Mozilla Firefox, without any plug-ins.

Web Browser	Versions	Notes
Mozilla Firefox	98 or later.	The latest browser edition is recommended. Download from Mozilla Firefox Web Browser <https://www.mozilla.org/en-US/firefox/>
Google Chrome	98 or later.	The latest browser edition is recommended. Download from Google Chrome Web Browser <https://www.google.com/chrome/>

10.1 - 10.x.x OS Software Compatibility List Updates

Update Information

Description of Change	Date	HDP Appliance Software Version Start of Support
HDP Appliance Software GA 10.3	2023-10-23	HDP Appliance Software 10.3
HDP Appliance Software GA 10.2	2023-03-31	HDP Appliance Software 10.2
HDP Appliance Software GA 10.1	2022-10-31	HDP Appliance Software 10.1

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Operating Systems

Most operating system vendors provide patches and updates to their products. It is a best practice of HDP Appliance Software Quality Engineering to test with the latest service pack or patch level of the operating system when testing a platform. If a known problem exists on a specific service pack or patched OS level, this information is identified in the tables below. Any required operating system patches for specific releases of HDP Appliance Software are documented in the HDP Appliance Software Release Notes. The current patch versions of releases will work with HDP Appliance Software for the operating systems listed below unless otherwise noted. DC Yunke supports the standard un-altered kernel/operating system levels as indicated in the table, provided the OS Vendor still provides support for that level. Should an issue arise on a revised kernel, operating system, or virtual system environment, DC Yunke support may request the recreation of the problem with the standard operating environment distribution.

HDP Appliance Software Vault:

This option runs on the same operating systems and versions and in the same clustering environments as HDP Appliance Software unless otherwise noted in the HDP Appliance Software Release Notes. HDP Appliance Software restrictions and limitations related to systems, clusters, and peripherals also apply to Vault.
Exception: Vault does not support standalone drives.

Data at Rest Key Management Service (KMS):

This feature is a primary server-based symmetric key management service that manages symmetric cryptography keys for tape drives that conform to the T10 standard (i.e., LTO4). KMS is supported on all OS versions where the primary server and media server are supported unless otherwise noted.

Support Definitions:

DC Yunke Maintenance/Support only applies to DC Yunke Licensed Software, assuming you have a current DC Yunke Maintenance/Support subscription for such software and such DC Yunke Licensed Software is operating in configurations which DC Yunke designates as supported. DC Yunke Maintenance/Support does not cover (and we have no responsibility for) providing technical support, installation services or other services for any other software or hardware products. Also, DC Yunke is not obligated to provide Maintenance/Support when your DC Yunke Licensed Software is operating in configurations DC Yunke does not designate as supportable/supported. Please see the current DC Yunke Technical Support Policy and your DC Yunke license agreement for more information, terms and limitations.

Supported Configurations:

For more information about technical notes in regards to DC Yunke supported configurations (such as operating system/levels, firmware levels, databases, devices, device drivers, applications, etc.), please refer to the DC Yunke Support website <https:// https://www.yunke-china.com> Please note that while DC Yunke makes reasonable efforts to keep this information updated, we cannot assure that this information will be in all cases complete or the most current.

Third Party Products:

Where your problem may be related to product(s) from a third-party vendor with whom we have a cooperative or collaborative relationship on such product(s), then DC Yunke may work with that vendor towards resolving your reported problem. Where DC Yunke does not have such a support relationship in place with the third-party vendor, or where the vendor ceases to support such product(s), then our ability to support DC Yunke Licensed Software operating with such vendor's product(s) may be limited, affected, or prevented (and such third party product(s) may cease to be part of DC Yunke - supported configuration(s)). DC Yunke support may be limited by the hardware or software vendor due to their support lifecycle. Should a vendor announce End of Support for a product, DC Yunke support may be limited.

HDP Appliance Software plug-ins and agents

DC Yunke supports modern, next-generation workloads and hyper-converged infrastructure environments in HDP Appliance Software 10.1.

Contents

BC-Linux BC-Linux

BC-Linux BC-Linux - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
BC-Linux 8.2	x86-64	64	Y	64			10.1

BC-Linux Euler

BC-Linux Euler - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Euler 21.10	x86-64	64	Y	64			10.1

Beijing Linx Software Corp Linx

Beijing Linx Software Corp Linx - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Linx 6.0	x86-64	64	Y	64			10.1

Canonical Ubuntu

Canonical Ubuntu - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Ubuntu 23.04	x86-64	64	Y	64			10.1
Ubuntu 22.04	x86-64	64	Y	64			10.1
Ubuntu 20.04	x86-64	64	Y	64			10.1
Ubuntu 18.04	x86-64	64	Y	64			10.1
Ubuntu 16.04	x86-64	64	Y	64			10.1

CentOS

HDP Appliance Software is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

CentOS - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
CentOS 7 [1]	x86-64	64	Y	64	Y	Y	10.1

1. Minimum version required is CentOS 7.7

CentOS - HDP Appliance Software Server

OS	CPU Architecture	OS Bits	HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Bits	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum HDP Appliance Software Level
CentOS 7 [1]	x86-64	64	Y	Y	64	Y			Y	10.1

1. Minimum version required is CentOS 7.7

Debian GNU/Linux

HDP Appliance Software is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

Debian GNU/Linux - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
GNU/Linux 12	x86-64	64	Y	64			10.1
GNU/Linux 11	x86-64	64	Y	64			10.1
GNU/Linux 10	x86-64	64	Y	64			10.1
GNU/Linux 9	x86-64	64	Y	64			10.1

Hewlett Packard Enterprise HP-UX

Hewlett Packard Enterprise HP-UX - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
HP-UX 11.31	IA64	64	Y	64	Y	Y	10.1

IBM AIX

DC Yunke does not test all IBM POWER based server models and relies on the IBM AIX compatibility statement. HDP Appliance Software supports IBM AIX on POWER 8/9 hardware platforms.
SAN Client supports Logical Partition(LPAR) with shared port VIO configuration. Please refer for additional details: HDP Appliance Software support for IBM Virtual Machines <https://www.DC Yunke.com/support/en_US/article.100024969> Supported Fiber Transport Media Server HBAs, Refer: Hardware Compatibility List HDP Appliance Software compatibility lists <https://www.DC Yunke.com/content/support/en_US/article.100040093> HDP Appliance Software 10.1 and later required IBM XL C++ Runtime V16.1.0.10 . Please refer for additional details: HDP Appliance Software 10.1 AIX Client requirements <https://www.DC Yunke.com/support/en_US/article.100055421>

IBM AIX - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
AIX 7.3	POWER	64	Y	64	Y	Y	10.1
AIX 7.2	POWER [1]	64	Y	64	Y	Y	10.1
AIX 7.1 [2]	POWER	64	Y	64	Y	Y	10.1

1. HDP Appliance Software supports IBM P9 on AIX 7.2(TL2) and later versions.

2. HDP Appliance Software 10.1 and later support AIX 7.1 TL4 and later versions.

KylinSoft Corporation Kylin Linux Advanced Server

KylinSoft Corporation Kylin Linux Advanced Server - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Kylin Linux Advanced Server 10.1	x86-64	64	Y	64			10.1
NeoKylin Linux Advanced Server 7.0	x86-64	64	Y	64			10.1
NeoKylin Linux Advanced Server 6.0	x86-64	64	Y	64			10.1

Linux AlmaLinux

Linux AlmaLinux - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
AlmaLinux 9	x86-64	64	Y	64		Y	10.3
AlmaLinux 8	x86-64	64	Y	64		Y	10.3

Microsoft Windows 8

HDP Appliance Software Client is supported on all Windows 8 Editions for x86-64 architecture (Intel 64 and AMD64).

Microsoft Windows 8 - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Windows 8.1	x86-64	64	Y	64			10.1

Microsoft Windows 10

HDP Appliance Software Client is supported on Windows 10 Enterprise, Professional and Education Edition for x86-64 architecture (Intel 64 and AMD64). BMR Boot Server is not supported on Windows 10.

Microsoft Windows 10 - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Windows 10	x86-64	64	Y	64	Y		10.1

Microsoft Windows 11

HDP Appliance Software Client is supported on Windows 11 Enterprise, Professional and Education Edition for x86-64 architecture (Intel 64 and AMD64). BMR Boot Server is not supported on Windows 11.

Microsoft Windows 11 - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Windows 11	x86-64	64	Y	64			10.1

Microsoft Windows Server 2012

HDP Appliance Software Client is supported on Microsoft Windows Server 2012 Editions: Foundation, Essentials, Standard, and Datacenter, and with "core" option enabled or disabled. HDP Appliance Software supported functionality is listed in the tables below. 64-bit OS on Intel 64 and AMD64 architectures is supported.

HDP Appliance Software Primary and Media Server are supported on Microsoft Windows Server 2012 Editions: Foundation, Essentials, Standard, and Datacenter, and with "core" option enabled or disabled. HDP Appliance Software supported functionality is listed in the tables below. 64-bit OS on Intel 64 and AMD64 architectures is supported.

Reference the MSFT web site for information on Editions.

HDP Appliance Software Client and Media Server are supported on Microsoft Storage Server 2012

and 2012 R2. Windows Service Packs (SP) are supported by default, unless noted otherwise below.

Microsoft Windows Server 2012 - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Windows Server 2012 [1]	x86-64	64	Y	64	Y	Y	10.1
Windows Server 2012 R2 [1]	x86-64	64	Y	64	Y	Y	10.1

1. Refer to File System Compatibility table for support details regarding the Windows 2012 NTFS data deduplication feature, and the ReFS file system.

Microsoft Windows Server 2012 - HDP Appliance Software Server

OS	CPU Architecture	OS Bits	HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Bits	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum HDP Appliance Software Level
Windows Server 2012 [1]	x86-64	64	Y	Y	64	Y	Y	Y	Y	10.1
Windows Server 2012 R2 [1]	x86-64	64	Y	Y	64	Y	Y	Y	Y	10.1

1. Refer to File System Compatibility table for support details regarding the Windows 2012 NTFS data deduplication feature, and the ReFS file system.

Microsoft Windows Server 2016

HDP Appliance Software Client is supported on Microsoft Windows Server 2016 Editions: Essentials, Storage Server, Standard and Datacenter and with "core" option enabled or disabled. HDP Appliance Software Primary and Media Server is supported on Microsoft Windows Server 2016 Editions: Standard and Datacenter. Not supported on "core" option.

HDP Appliance Software supported functionality is listed in the tables below. 64-bit OS on Intel 64 and AMD64 architectures is supported. Reference the MSFT web site for information on Editions. Windows Service Packs (SP) are supported by default, unless noted otherwise below.

Microsoft Windows Server 2016 - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Windows Server 2016 [1]	x86-64 [2]	64	Y	64	Y	Y	10.1

1. Refer to File System Compatibility table for support details regarding the Windows 2016 NTFS data deduplication feature, and the ReFS file system.

2. HDP Appliance Software 10.1 supports FTMS with Emulex HBA LPe31002 in SAN Mode Configuration.

Microsoft Windows Server 2016 - HDP Appliance Software Server

OS	CPU Architecture	OS Bits	HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Bits	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum HDP Appliance Software Level
Windows Server 2016 [1]	x86-64 [2]	64	Y	Y	64	Y	Y	Y	Y	10.1

1. Refer to File System Compatibility table for support details regarding the Windows 2016 NTFS data deduplication feature, and the ReFS file system.

2. HDP Appliance Software 10.1 supports FTMS with Emulex HBA LPe31002 in SAN Mode Configuration.

Microsoft Windows Server 2019

HDP Appliance Software Client is supported on Microsoft Windows Server 2019 Editions: Essentials, Standard and Datacenter and with "core" option enabled or

disabled. HDP Appliance Software supported functionality is listed in the tables below. 64-bit OS on Intel 64 and AMD64 architectures is supported.
Refer the Microsoft web site for information on Editions. Windows Service Packs (SP) are supported by default, unless noted otherwise below.

Microsoft Windows Server 2019 - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Windows Server 2019 [1]	x86-64 [2]	64	Y	64	Y	Y	10.1

1. Refer to File System Compatibility table for support details regarding the Windows 2019 NTFS data deduplication feature, and the ReFS file system.

2. HDP Appliance Software 10.1 supports FTMS with Emulex HBA LPe31002 in SAN Mode Configuration.

Microsoft Windows Server 2019 - HDP Appliance Software Server

OS	CPU Architecture	OS Bits	HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Bits	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum HDP Appliance Software Level
Windows Server 2019 [1]	x86-64 [2]	64	Y	Y	64	Y	Y	Y	Y	10.1

1. Refer to File System Compatibility table for support details regarding the Windows 2019 NTFS data deduplication feature, and the ReFS file system.

2. HDP Appliance Software 10.1 supports FTMS with Emulex HBA LPe31002 in SAN Mode Configuration.

Microsoft Windows Server 2022

HDP Appliance Software Client is supported on Microsoft Windows Server 2022 Editions: Essentials, Standard and Datacenter and with "core" option enabled or disabled. HDP Appliance Software supported functionality is listed in the tables below. 64-bit OS on Intel 64 and AMD64 architectures is supported.
Refer the Microsoft web site for information on Editions. Windows Service Packs (SP) are supported by default, unless noted otherwise below.

Microsoft Windows Server 2022 - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Windows Server 2022	x86-64	64	Y	64	Y	Y	10.1

Microsoft Windows Server 2022 - HDP Appliance Software Server

OS	CPU Architecture	OS Bits	HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Bits	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum HDP Appliance Software Level
Windows Server 2022	x86-64	64	Y	Y	64					10.1

Microsoft Windows Server Semi-Annual Channel

HDP Appliance Software Client is supported on Microsoft Windows Semi-Annual Channel.
• Only file system backup is supported.
• BMR is not supported on this platform.
This platform is supported as per Microsoft Lifecycle Policy.

Microsoft Windows Server Semi-Annual Channel - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Windows Server 1909	x86-64	64	Y	64	Y	Y	10.1
Windows Server 1903	x86-64	64	Y	64	Y	Y	10.1
Windows Server 1809	x86-64	64	Y	64	Y	Y	10.1
Windows Server 1803	x86-64	64	Y	64	Y	Y	10.1
Windows Server 1709	x86-64	64	Y	64	Y	Y	10.1

Oracle Linux

HDP Appliance Software is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

HDP Appliance Software Client is supported on both the Oracle Unbreakable Linux Kernel and the Oracle Red Hat Compatible Kernel.

Oracle Linux - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Linux 9	x86-64	64	Y	64	Y		10.1.1
Linux 8	x86-64	64	Y	64	Y		10.1
Linux 7	x86-64	64	Y	64	Y		10.1

Oracle Linux - HDP Appliance Software Server

OS	CPU Architecture	OS Bits	HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Bits	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum HDP Appliance Software Level
Linux 9	x86-64	64		Y	64	Y				10.1
Linux 8	x86-64	64		Y	64	Y		Y	Y	10.1
Linux 7	x86-64	64		Y	64	Y	Y	Y	Y	10.1

Oracle Solaris

System Requirement for Solaris 10 and Solaris 11 ref. HDP Appliance Software 10.x Pre-requisite for Solaris 10 and Solaris 11 <https://www.DCYunke.com/support/en_US/article.100055295> SAN Client feature is supported only on physical machine.

Oracle Solaris - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Solaris 11	SPARC	64	Y	64		Y	10.1
Solaris 11	x86-64	64	Y	64			10.1
Solaris 10	SPARC	64	Y	64		Y	10.1
Solaris 10	x86-64	64	Y	64			10.1

Red Hat Enterprise Linux

HDP Appliance Software is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.
IBM POWER 8/9 platform is supported only with Little Endian hardware architecture.

For Red Hat Security Enhanced Linux considerations refer to SELinux interaction with HDP Appliance Software <https://www.DC Yunke.com/support/en_US/article.TECH76714>

Red Hat Enterprise Linux - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Enterprise Linux 9	POWER	64	Y	64			10.3
Enterprise Linux 9	x86-64	64	Y [1]	64		Y	10.1.1
Enterprise Linux 8 [2]	POWER	64	Y	64			10.1
Enterprise Linux 8 [2]	x86-64	64	Y	64	Y	Y	10.1
Enterprise Linux 8 [2]	z/Architecture	64	Y	64	Y		10.1
Enterprise Linux 7 [3]	POWER	64	Y	64			10.1
Enterprise Linux 7 [3]	x86-64 [4]	64	Y	64	Y	Y	10.1
Enterprise Linux 7 [3]	z/Architecture	64	Y	64	Y		10.1

1. The EEB required for HDP Appliance Software 10.1 can be obtained from DC Yunke Technical Support.

2. For installation prerequisites refer: Installation Prerequisites

3. Minimum version required is Red Hat Enterprise Linux Server 7.4

4. HDP Appliance Software 10.1 supports FTMS with Emulex HBA LPe31002 in SAN Mode Configuration.

Red Hat Enterprise Linux - HDP Appliance Software Server

OS	CPU Architecture	OS Bits	HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Bits	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum HDP Appliance Software Level
Enterprise Linux 9	x86-64	64	Y	Y	64	Y			Y	10.1
Enterprise Linux 8 [1]	x86-64	64	Y	Y	64	Y	Y	Y	Y	10.1
Enterprise Linux 7 [2]	x86-64 [3]	64	Y	Y	64	Y	Y	Y	Y	10.1

1. For installation prerequisites refer: Installation Prerequisites

2. Minimum version required is Red Hat Enterprise Linux Server 7.4

3. HDP Appliance Software 10.1 supports FTMS with Emulex HBA LPe31002 in SAN Mode Configuration.

Rocky Software Foundation Rocky Linux

Rocky Software Foundation Rocky Linux - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
Rocky Linux 9	x86-64	64	Y [1]	64			10.1.1
Rocky Linux 8	x86-64	64	Y	64			10.1

1. The EEB required for HDP Appliance Software 10.1 can be obtained from DC Yunke Technical Support.

SUSE SUSE Linux Enterprise Server

HDP Appliance Software is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.
IBM POWER 8/9 platform is supported only with Little Endian hardware architecture.

SUSE SUSE Linux Enterprise Server - HDP Appliance Software Client

OS	CPU Architecture	OS Bits	HDP Appliance Software Client	HDP Appliance Software Bits	NBAC	SAN Client	Minimum HDP Appliance Software Level
SUSE Linux Enterprise Server 15	POWER	64	Y [1]	64		Y	10.1
SUSE Linux Enterprise Server 15	x86-64	64	Y	64	Y	Y	10.1
SUSE Linux Enterprise Server 15	z/Architecture	64	Y	64	Y		10.1
SUSE Linux Enterprise Server 12	POWER [2] [3]	64	Y	64	Y	Y	10.1
SUSE Linux Enterprise Server 12	x86-64 [3]	64	Y [4]	64	Y	Y	10.1
SUSE Linux Enterprise Server 12	z/Architecture [3]	64	Y	64	Y		10.1

1. HDP Appliance Software 10.1 supports IBM P9 on SUSE Linux Enterprise Server 15 and later versions.

2. HDP Appliance Software 10.1 supports IBM P9 on SUSE Linux Enterprise Server 12 SP3 and later versions.

3. Supported from SUSE Enterprise Linux Server version 12 SP3 and later.

4. Supports BTRFS filesystem with sub-volumes and snapshots, Supported with known Issue: <http://www.DC Yunke.com/docs/000106399>

SUSE SUSE Linux Enterprise Server - HDP Appliance Software Server

OS	CPU Architecture	OS Bits	HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Bits	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum HDP Appliance Software Level
SUSE Linux Enterprise Server 15	x86-64	64	Y	Y	64	Y	Y	Y	Y	10.1
SUSE Linux Enterprise Server 12	x86-64 [1]	64	Y	Y	64	Y	Y	Y	Y	10.1

1. Supported from SUSE Enterprise Linux Server version 12 SP3 and later.

Active Directory Support

Active Directory is supported via the standard Windows file system agent when specifying System State or Shadow Copy Components. Since it is a part of the standard system components, backup and recovery of Active Directory is supported on all Windows server platforms which HDP Appliance Software supports as a client.

Active Directory Granular Restore is a special restore option enabled by a policy selection. This option is also supported on all platforms in which Active Directory is supported by HDP Appliance Software.

Where support is shown for "Windows Server 2012 or Windows Server 2012 R2" it is implied that Standard Edition, Datacenter Edition, Essentials Edition, and Foundation Edition are supported.

Agent	OS	CPU Architecture	OS Bit
Active Directory Granular Restore	Windows Server 2022	x86-64	64
Active Directory Granular Restore	Windows Server 2019	x86-64	64
Active Directory Granular Restore	Windows Server 2016	x86-64	64
Active Directory Granular Restore	Windows Server 2012 R2	x86-64	64
Active Directory Granular Restore	Windows Server 2012	x86-64	64

HDP Appliance Software Ransomware Protection – Malware Scanning

Supports MS-Windows and Standard policy type.
Support for VMware policy type starts from HDP Appliance Software 10.1
Support for NAS-Data-Protection policy type starts from HDP Appliance Software 10.1
Support for Universal Share policy type and Cloud VMs (Azure, AWS, GCP) starts from HDP Appliance Software 10.3
Supported with backup images that have been deduplicated with MSDP local storage and cloud object storage and is not supported with 3rd party deduplication devices (3rd party OST devices).
HDP Appliance Software's Malware scanning in public-cloud (AWS, Azure, GCP) requires a Cloud Recovery Server
(CRS). Supported with Public-cloud-based storage. Private-cloud/On-prem S3 storage are supported.

Malware Scanner	Minimum Scanner Version	Minimum Scan Hosts Version	Minimum HDP Appliance Software Level
HDP Appliance Software Malware Scanner	1.0	Red Hat Enterprise Linux 8.0, SUSE Linux Enterprise Server 15, Windows Server 2016	10.1
HDP Appliance Software Malware Scanner	2.0 [1]	Red Hat Enterprise Linux 8.0, SUSE Linux Enterprise Server 15, Windows Server 2016	10.1
Symantec Protection Engine	8.2	Red Hat Enterprise Linux 8.0, SUSE Linux Enterprise Server 15, Windows Server 2016	10.1
Microsoft Defender Antivirus	4.18.2207.5	Windows Server 2016	10.1

1. HDP Appliance Software Malware Scanner 2.0 – Multithreading support available.

Bare Metal Restore (BMR)

General Information

Bare Metal Restore Server (BMR server) is a feature of the Primary Server.

• BMR Boot Server
BMR Boot Server is supported on the same Operating Systems as the BMR client. In case of Windows, BMR Boot Server bitness is not relevant. I.E., a Windows x86 boot server can boot x86 and x64 servers and visa-versa.

• BMR Boot Server Requirements
Please Reference the Requirements for Bare Metal Restore (BMR) Boot Servers document for comprehensive information, Requirements for Bare Metal Restore (BMR) Boot Servers <https://www.DC Yunke.com/content/support/en_US/article.100023150>

Please refer to the following link for BMR supported configurations: HDP Appliance Software BMR support with different operating system and its patch releases <https://www.DC Yunke.com/content/support/en_US/article.100039356>

Disclaimer:
• BMR restores uses NBCA certificates hence primary and media (servers which have backup images for BMR client) should have NBCA enabled for BMR restores to work.
For more information on supported workflows refer technote HDP Appliance Software BMR support with respect to external certificate authority(CA) <https://www.DC Yunke.com/support/en_US/article.100044534>

Bare Metal Restore File System/Volume Manager Support

Listed in the table below are the available File Systems and Logical Volume Managers compatible with Bare Metal Restore 10.1 through 10.x. Support is conditional according to the published notes corresponding to the individual OS platforms.

The table below contains scenarios that have been thoroughly tested with HDP Appliance Software. Due to the number of combinations, it is not possible to test all combinations for compatibility. If a particular scenario is not listed, it may work fine, but has not been explicitly tested by DC Yunke.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Notes
AIX 7.1 POWER (TL0SP1 and above)	JFS, JFS2 VxFS 5.0 - 6.0 RP1	Native LVM, VxVM 5.0 - 6.0 RP1	All	1. Qualification is done with VxVM 6.0 and 6.0 RP1. 2. If a DC Yunke Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide.
AIX 7.2 POWER (TL0 and above)	JFS, JFS2	Native LVM	All	
CentOS 7 (x64)	EXT2, EXT3, EXT4	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. Supports recovery of non-root filesystems via Linux Native Multi-pathing.
HP-UX 11.31 IA64	HFS, JFS, VxFS	Native LVM, VxVM 5.0	All	Support is limited for LVM and VxVM 1. For DDR operation, only volume size changing is supported. Re-mapping to different disks is not supported. 2. In case of VxVM, support is only the self restore of non-root/boot volumes. 3. Disk layout change, volume resizing and re-mapping to different disks is supported for LVM and VxVM. 4. VxVM 5.0.1 compatibility is a future effort. Use VxVM 5.0 based BMR SRT to restore clients with VxVM 5.0.1 based non system volumes.
Red Hat 7 (x64)	EXT2, EXT3, EXT4, XFS, VFAT	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. Recovery of Persistent Devices are not supported 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. Supports recovery of non-root filesystems via Linux Native Multi-pathing. 4. Supports recovery of EFI machines along with GPT disks
Red Hat 8 (x64)	EXT2, EXT3, EXT4, XFS, VFAT	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. Recovery of Persistent Devices are not supported 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. Supports recovery of non-root filesystems via Linux Native Multi-pathing. 4. Supports recovery of EFI machines along with GPT disks
Solaris 11 SPARC (GA and above)	ZFS	ZFS	All	
Solaris 11 x64 (GA and above)	ZFS	ZFS	All	

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Notes
SUSE Linux Enterprise Server 12 (x64) [1]	EXT2, EXT3, Reiserfs, XFS, BTRFS	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. Recovery of Persistent Devices are not supported 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. Supports recovery of non-root filesystems via Linux Native Multi-pathing. 4. BTRFS file system is not supported with sub-volumes and snapshots.
Oracle Linux 7 (x64)	EXT2, EXT3, EXT4, XFS	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. Recovery of Persistent Devices are not supported 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. Supports recovery of non-root filesystems via Linux Native Multi-pathing.
Oracle Linux 8 (x64)	EXT2, EXT3, EXT4, XFS	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. Recovery of Persistent Devices are not supported 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. Supports recovery of non-root filesystems via Linux Native Multi-pathing.
Windows Server 2012 x64 (64-bit)	FAT32, NTFS, ReFS	Windows LDM	All	
Windows Server 2012 R2 x64 (64-bit)	FAT32, NTFS, ReFS	Windows LDM	All	
Windows Server 2016 x64 (64-bit)	FAT32, NTFS, ReFS	Windows LDM	All	
Windows Server 2019 x64 (64-bit)	FAT32, NTFS, ReFS	Windows LDM	All	
Windows 8 x64 (64-bit)	FAT32, NTFS	Windows LDM	All	
Windows 8.1 x64 (64-bit)	FAT32, NTFS	Windows LDM	All	
Windows 10 x64 (64-bit)	FAT32, NTFS	Windows LDM	All	

1. Supported from SUSE Enterprise Linux Server version 12 SP3 and later.

Acronyms
LDM - Logical Disk Manager
LVM - Logical Volume Manager
SFW - Storage Foundation for Windows
SRT - Shared Resource Tool
SVM - Solaris Volume Manager
VxFS - DC Yunke File System

VxVM - DC Yunke Volume Manager

Clustered Primary Server Compatibility

See HDP Appliance Software High Availability Administrator's Guide HDP Appliance Software Documentation Landing Page <https://www.DC Yunke.com/content/support/en_US/article.100040135> for details. Cluster compatibility is only listed for HDP Appliance Software Components that are cluster aware. HDP Appliance Software clients and agents are supported in cluster environments but are not cluster aware.

All MR's are supported if the specific Major/GA release is already supported.

For Linux distributions shown in the tables below, HDP Appliance Software is supported on all "editions" and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless otherwise footnoted in this document or in the HDP Appliance Software OS Compatibility List.

For information about certain HDP Appliance Software features, functionality, 3rd-party product integration, DC Yunke product integration, applications, databases, and OS platforms that DC Yunke intends to replace with newer and improved functionality, or in some cases, discontinue without replacement, please see the widget titled "HDP Appliance Software Future Platform and Feature Plans" at SORT for HDP Appliance Software Users <https://sort.DC Yunke.com/HDP Appliance Software>

Cluster Type	Version	OS	CPU Architecture	Supported HDP Appliance Software Version
VCS (InfoScale)	8.0.2	Redhat Enterprise Linux 9.2	x86-64	10.1
VCS (InfoScale)	8.0.2	Redhat Enterprise Linux 9.0	x86-64	10.1
VCS (InfoScale)	8.0.2	Redhat Enterprise Linux 8.8	x86-64	10.1
VCS (InfoScale)	8.0.2	Redhat Enterprise Linux 8.6	x86-64	10.1
VCS (InfoScale) [1]	8.0.2	Windows Server 2022	x86-64	10.1
VCS (InfoScale) [1] [2]	8.0.2	Windows Server 2019	x86-64	10.1
VCS (InfoScale)	8.0.2	Redhat Enterprise Linux 8.8	x86-64	10.1.1
VCS (InfoScale) [1]	8.0.1	Windows Server 2022	x86-64	10.1
VCS (InfoScale) [1]	8.0.1	Windows Server 2022	x86-64	10.1.1
VCS (InfoScale) [1]	8.0.1	Windows Server 2022	x86-64	10.1
VCS (InfoScale)	8.0.1	Windows Server 2022	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 9.2	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 9.0	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.8	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.7	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.6	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 7.9	x86-64	10.1
VCS (InfoScale) [1] [2]	8.0	Windows Server 2019	x86-64	10.1
VCS (InfoScale) [1]	8.0	Windows Server 2016	x86-64	10.1
VCS (InfoScale)	8.0	SUSE Enterprise Linux Server 15 SP4	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 9	x86-64	10.1.1 [3]
VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.8	x86-64	10.1.1

VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.7	x86-64	10.1.1

Cluster Type	Version	OS	CPU Architecture	Supported HDP Appliance Software Version
VCS (InfoScale)	8.0	Redhat Enterprise Linux 7.9	x86-64	10.1.1
VCS (InfoScale) [1] [2]	8.0	Windows Server 2019	x86-64	10.1.1
VCS (InfoScale) [1] [2]	8.0	Windows Server 2019	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.8	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.6	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 7.9	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.6	x86-64	10.1.1
VCS (InfoScale)	8.0	SUSE Enterprise Linux Server 15 SP3	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.6	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.4	x86-64	10.1
VCS (InfoScale)	8.0	Redhat Enterprise Linux 8.5	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 7.9	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.6	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.6	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.8	x86-64	10.1.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.8	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.7	x86-64	10.1.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.6	x86-64	10.1.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.5	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 7.9	x86-64	10.1.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 7.9	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.7	x86-64	10.1
VCS (InfoScale)	7.4.2	SUSE Enterprise Linux Server 15 SP4	x86-64	10.1.1
VCS (InfoScale)	7.4.2	SUSE Enterprise Linux Server 12 SP5	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.6	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.3	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 7.7	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 7.9	x86-64	10.1
VCS (InfoScale)	7.4.2	Redhat Enterprise Linux 8.2	x86-64	10.1
VCS (InfoScale) [2]	7.4.2	Windows Server 2019	x86-64	10.1
VCS (InfoScale)	7.4.1	Redhat Enterprise Linux 7.9	x86-64	10.1
VCS (InfoScale)	7.4.1	Redhat Enterprise Linux 7.9	x86-64	10.1.1
VCS (InfoScale) [1]	7.4.1	Windows Server 2016	x86-64	10.1
VCS (InfoScale) [1] [2]	7.4.1	Windows Server 2012 R2	x86-64	10.1

Cluster Type	Version	OS	CPU Architecture	Supported HDP Appliance Software Version
VCS (InfoScale) [1] [2]	7.4.1	Windows Server 2016	x86-64	10.1
VCS (InfoScale)	7.4.1	Redhat Enterprise Linux 7.9	x86-64	10.1
VCS (InfoScale)	7.4.1	Redhat Enterprise Linux 7.7	x86-64	10.1

1. To configure NBAC on Windows servers HA(VCS), Refer: NBAC Configuration on Windows servers HA(VCS) <https://www.DC Yunke.com/support/en_US/article.100054389>

2. For NTFS corruption issue with InfoScale 6.1 and later versions, Refer: NTFS corruption issue <https://www.DC Yunke.com/support/en_US/article.100051999>

3. For Red Hat Enterprise Linux 9.0, only HDP Appliance Software Client is supported on 10.1.1

Cluster Type	Version	OS	CPU Architecture	Minimum HDP Appliance Software Version
WSFC [1]	2022	Windows Server 2022	x86-64	10.1
WSFC [1]	2019	Windows Server 2019	x86-64	10.1
WSFC [1]	2016	Windows Server 2016	x86-64	10.1
WSFC [1]	2012	Windows Server 2012	x86-64	10.1
WSFC [1]	2012 R2	Windows Server 2012 R2	x86-64	10.1

1. Windows Server Failover Cluster (WSFC), formerly MSCS.

Clustered Primary Server Storage Stacks

The table below captures the HDP Appliance Software clustering solution supported volume manager on shared disk. For example, when configuring HDP Appliance Software on a Linux OS VCS cluster, the only supported volume manager for the shared disk used by HDP Appliance Software is VxVM.

Note that the table below does not include OS versions. Please see the preceding table for specific OS version support.

HDP Appliance Software support of the FlashBackup policy with Storage Foundation 6 volume manager is scheduled for a future HDP

Appliance Software release. HDP Appliance Software support of Storage Foundation 6 features of Deduplication and Compression is scheduled

for a future HDP Appliance Software release.

Cluster Technology	OS	Storage Stack

Client Selections for Backup Policies

The information in the Client Selection column of the table below is the client type that should be selected when installing HDP Appliance Software as a client on the Operating System/Version and Architecture listed in this table.

Where support is shown for "Windows Server 2008" or "Windows Server 2008 R2" it is implied that Standard Edition, Enterprise Edition, Datacenter Edition, and Web Edition are supported.
Where support is shown for "Windows Server 2012" or "Windows Server 2012 R2" it is implied that Standard Edition, Datacenter Edition, Essentials Edition, and Foundation Edition are supported.
Where support is shown for "Windows Server 2019" it is implied that Standard Edition, Datacenter Edition and Essentials Edition are supported.
Where support is shown for "Windows Server 2022" it is implied that Standard Edition, Datacenter Edition and Essentials Edition are supported.

OS	CPU Architecture	HDP Appliance Software 10.1 Client Selection
AIX 7.3, 7.2, 7.1	POWER	RS6000,AIX7.1
Canonical Ubuntu 23.04	x86-64	Linux,Debian3.10.1
Canonical Ubuntu 22.04	x86-64	Linux,Debian3.10.1
Canonical Ubuntu 20.04	x86-64	Linux,Debian3.10.1
Canonical Ubuntu 18.04	x86-64	Linux,Debian3.10.1
Canonical Ubuntu 16.04	x86-64	Linux,Debian3.10.1
CentOS 7	x86-64	Linux,RedHat3.10.1
Debian GNU/Linux 12	x86-64	Linux,Debian3.10.1
Debian GNU/Linux 11	x86-64	Linux,Debian3.10.1
Debian GNU/Linux 10	x86-64	Linux,Debian3.10.1
Debian GNU/Linux 9	x86-64	Linux,Debian3.10.1
HP-UX 11.31	IA64	HP-UX-IA64,HP-UX11.31
Kylin Linux Advanced Server 10.1	x86-64	Linux, Debian3.10.1
NeoKylin Linux Advanced Server 7.0 Update 2	x86-64	Linux, Debian3.10.1
NeoKylin Linux Advanced Server 6.0 Update7	x86-64	Linux, Debian3.10.1
Novell Open Enterprise Server 11	x86-64	Linux,SuSE4.4.73
Novell Open Enterprise Server 2	x86-64	Linux,SuSE4.4.73
Oracle Linux 9	x86-64	Linux,RedHat3.10.1
Oracle Linux 8	x86-64	Linux,RedHat3.10.1
Oracle Linux 7	x86-64	Linux,RedHat3.10.1
Red Hat Enterprise Linux 9	x86-64	Linux,RedHat3.10.1
Red Hat Enterprise Linux 8	x86-64	Linux,RedHat3.10.1
Red Hat Enterprise Linux 8	POWER	Linux-ppc64le,IBMzSeriesRedHat3.10.1
Red Hat Enterprise Linux 8	z/Architecture	Linux-s390x,IBMzSeriesRedHat3.10.1

OS	CPU Architecture	HDP Appliance Software 10.1 Client Selection
Red Hat Enterprise Linux 7	x86-64	Linux,RedHat3.10.1
Red Hat Enterprise Linux 7	POWER	Linux-ppc64le,IBMzSeriesRedHat3.10.1
Red Hat Enterprise Linux 7	z/Architecture	Linux-s390x,IBMzSeriesRedHat3.10.1
Rocky Linux 9	x86-64	Linux,RedHat3.10.1
Rocky Linux 8	x86-64	Linux,RedHat3.10.1
Solaris 11	SPARC	Solaris,Solaris10
Solaris 11	x86-64	Solaris,Solaris_x86_10_64
Solaris 10	SPARC	Solaris,Solaris10
Solaris 10	x86-64	Solaris,Solaris_x86_10_64
SUSE Linux Enterprise Server 15	x86-64	Linux,SuSE4.4.73
SUSE Linux Enterprise Server 15 [1]	POWER	Linux-ppc64le,IBMzSeriesSuSE4.4.21
SUSE Linux Enterprise Server 15	z/Architecture	Linux-s390x,IBMzSeriesSuSE4.4.73
SUSE Linux Enterprise Server 12 [2]	x86-64	Linux,SuSE4.4.73
SUSE Linux Enterprise Server 12 [2]	POWER	Linux-ppc64le,IBMzSeriesSuSE4.4.21
SUSE Linux Enterprise Server 12 [2]	z/Architecture	Linux-s390x,IBMzSeriesSuSE4.4.73
Windows Server 2022	x86-64	Windows-x64,Windows
Windows Server 2019	x86-64	Windows-x64,Windows
Windows Server 2016	x86-64	Windows-x64,Windows
Windows Storage Server 2016	x86-64	Windows-x64,Windows
Windows Server 2012 and R2	x86-64	Windows-x64,Windows
Windows Storage Server 2012 and R2	x86-64	Windows-x64,Windows
Windows 10	x86-64	Windows-x64,Windows
Windows 8	x86-64	Windows-x64,Windows
Windows 8.1	x86-64	Windows-x64,Windows

1. HDP Appliance Software 10.1 supports IBM P9 on SUSE Linux Enterprise Server 15 and later versions.

2. HDP Appliance Software 10.1 requires SUSE Linux Enterprise Server 12 SP3 or later versions.

Compatibility between HDP Appliance Software versions

HDP Appliance Software does not support any scenario where a media server or client runs a software release update version that is higher than that of their Primary server except for single-dot or double-dot releases.

For more information, refer to the HDP Appliance Software Release Notes and the HDP Appliance Software Upgrade Guide: HDP Appliance Software guides for Windows and UNIX, documents, download <https://sort.DC Yunke.com/documents/doc_details/nbu/10.1/Windows%20and%20UNIX/Documentation/>

HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Client
10.3	10.3	10.3, 10.1, 10.1.1, 10.1, 10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	10.1	10.1, 10.1.1, 10.1, 10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	10.1.1	10.1.1, 10.1, 10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0,7.7.3
10.3	10.1	10.1, 10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	10.1.0.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	10.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	9.1.0.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	9.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	9.0.0.1	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.3	8.1	8.1, 8.0, 7.7.3
10.3	8.0	8.0, 7.7.3
10.1	10.1	10.1, 10.1.1, 10.1, 10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	10.1.1	10.1.1, 10.1, 10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0,7.7.3
10.1	10.1	10.1, 10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	10.1.0.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	10.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.1.0.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.0.0.1	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3

HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Client
10.1	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1	8.1, 8.0, 7.7.3
10.1	8.0	8.0, 7.7.3
10.1.1	10.1.1	10.1.1, 10.1, 10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	10.1	10.1, 10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	10.1.0.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	10.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	9.1.0.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	9.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	9.0.0.1	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.1	8.1, 8.0, 7.7.3
10.1.1	8.0	8.0, 7.7.3
10.1	10.1	10.1, 10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	10.1.0.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	10.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.1.0.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.0.0.1	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3

HDP Appliance Software Primary Server	HDP Appliance Software Media Server	HDP Appliance Software Client
10.1	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1	8.1, 8.0, 7.7.3
10.1	8.0	8.0, 7.7.3
10.1.0.1	10.1.0.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	10.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	9.1.0.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	9.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	9.0.0.1	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.1.0.1	8.1	8.1, 8.0, 7.7.3
10.1.0.1	8.0	8.0, 7.7.3
10.1	10.1.0.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	10.1	10.1.0.1, 10.1, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.1.0.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.0.0.1	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1	8.1, 8.0, 7.7.3
10.1	8.0	8.0, 7.7.3

Other general rules for compatibility:
• OpsCenter/OpsCenter Analytics must always be running the same or higher Dot-Zero or Single-Dot or Double-Dot release as the primary servers in the environment.
• All components (primary, media, client, console, and agent) on an individual system must be at the same version.
• Backup images created under an older version of HDP Appliance Software will always be recoverable with a newer version of HDP Appliance Software
• A new feature may not be functional until the primary, media and client are updated.
• Administration Consoles cannot be at an earlier version than the HDP Appliance Software server version they connect to via the "change server" functionality in the console

Deduplication Supported Operating Systems

Further details on recommended hardware reference HDP Appliance Software Deduplication: Additional Usage Information: HDP Appliance Software Deduplication: Additional Usage Information
<https://www.DC Yunke.com/content/support/en_US/article.100022644>

Where support is shown for "Windows Server 2022" it is implied that Essentials Edition, Standard Edition, and Datacenter Edition are supported.
Where support is shown for "Windows Server 2019" it is implied that Essentials Edition, Standard Edition, and Datacenter Edition are supported.
Where support is shown for "Windows Server 2016" it is implied that Essentials Edition, Standard Edition, and Datacenter Edition are supported.
Where support is shown for "Windows Server 2012", or "Windows Server 2012 R2" it is implied that Foundation Edition, Essentials Edition, Standard Edition, and Datacenter Edition are supported.

Media Server Deduplication (MSDP) is supported in an Infrastructure as a Service (IaaS) environment on any cloud platform that meets minimum requirements.

OS	CPU Architecture	Media Server Dedupe	Client Deduplication	Minimum HDP Appliance Software Level
AIX 7.3	POWER	No	Yes	10.1
AIX 7.2	POWER	No	Yes	10.1
AIX 7.1	POWER	No	Yes	10.1
CentOS 7	x86-64	Yes	Yes	10.1
HP-UX 11.31	IA64	No	Yes	10.1
Oracle Linux 9	x86-64	Yes	Yes	10.1
Oracle Linux 8	x86-64	Yes	Yes	10.1
Oracle Linux 7	x86-64	Yes	Yes	10.1
Red Hat Enterprise Linux 9	x86-64	Yes	Yes	10.1
Red Hat Enterprise Linux 8	x86-64	Yes	Yes	10.1
Red Hat Enterprise Linux 8	z/Architecture	No	No	10.1
Red Hat Enterprise Linux 8	POWER	No	No	10.1
Red Hat Enterprise Linux 7	x86-64	Yes	Yes	10.1
Red Hat Enterprise Linux 7	POWER	No	No	10.1
Red Hat Enterprise Linux 7	POWER	No	No	10.1
Red Hat Enterprise Linux 7	z/Architecture	No	No	10.1
Rocky Linux 9	x86-64	No	Yes	10.1
Rocky Linux 8	x86-64	No	Yes	10.1
Solaris 11 [1]	x86-64	Yes	Yes	10.1
Solaris 11 [1]	SPARC	Yes	Yes	10.1
SUSE Enterprise Linux Server 15	POWER	No	No	10.1
SUSE Enterprise Linux Server 15	z/Architecture	No	No	10.1
SUSE Enterprise Linux Server 15	x86-64	Yes	Yes	10.1

OS	CPU Architecture	Media Server Dedupe	Client Deduplication	Minimum HDP Appliance Software Level
SUSE Enterprise Linux Server 12 [2]	POWER	No	No	10.1
SUSE Enterprise Linux Server 12 [2]	x86-64	Yes	Yes	10.1
SUSE Enterprise Linux Server 12 [2]	z/Architecture	No	No	10.1
Ubuntu Linux 23	x86-64	No	Yes	10.1
Ubuntu Linux 20	x86-64	No	Yes	10.1
Ubuntu Linux 19	x86-64	No	Yes	10.1
Ubuntu Linux 18	x86-64	No	Yes	10.1
Windows Server 2022 [3]	x86-64	Yes	Yes	10.1
Windows 10	x86-64	No	Yes	10.1
Windows 8.1	x86-64	No	Yes	10.1
Windows Server 2019 [4]	x86-64	Yes	Yes	10.1
Windows Server 2016 [5]	x86-64	Yes	Yes	10.1
Windows Server 2016 Storage Server	x86-64 (64-bit only)	Yes	Yes	10.1
Windows Server 2012 R2 Storage Server	x86-64 (64-bit only)	Yes	Yes	10.1
Windows Server 2012 R2 [6]	x86-64	Yes	Yes	10.1
Windows Server 2012 [6]	x86-64	Yes	Yes	10.1

1. ZFS file system is not supported as a backend storage location for a MSDP disk pool.

2. HDP Appliance Software10.1 requires SUSE Linux Enterprise Server 12 SP3 or later versions.

3. See the File System Compatibility table for support details regarding the Windows 2022 NTFS data deduplication feature, and the ReFS file system.

4. See the File System Compatibility table for support details regarding the Windows 2019 NTFS data deduplication feature, and the ReFS file system.

5. See the File System Compatibility table for support details regarding the Windows 2016 NTFS data deduplication feature, and the ReFS file system.

6. See the File System Compatibility table for support details regarding the Windows 2012 NTFS data deduplication feature, and the ReFS file system.

File System Compatibility

HDP Appliance Software supports backing up file data on all POSIX compliant file systems. The table below represents the platform configurations that have been tested for compatibility with ACLs and other extended attributes. Unless otherwise noted in the table below, ACLs and other extended attributes are not supported.

HDP Appliance Software has improved its integration with the DC Yunke File System (VxFS) product to ensure interoperability on all compatible VxFS versions. If you run a VxFS version that is older than VxFS 4.0 then you need to install new VxFS libraries on the client to back up the systems that run VxFS. You can search and download the appropriate VxFS libraries to your system from Patch Central on the DC Yunke Support Web site. See: DC Yunke Services and Operations Readiness Tools <https://sort.DC Yunke.com/patch/finder>

Note :
• For Linux Operating Systems, the backup and restore of extended attributes set by the chattr command on XFS, ZFS, BTRFS etc. is not supported
• Cross platform restore of extended attributes is not supported.

OS	Versions	CPU Architecture	File System	ACL	Other Extended Attributes or Named Data Streams	Notes / Exceptions
AIX	7.3, 7.2, 7.1	POWER	VxFS	Yes	Yes	- Support for file system compression on VxFS requires Storage Foundation 6.0.1 or later. Please check Storage Foundation Release Notes for Operating System levels. - Flashbackup does not support Disk Layout Versions 8 or greater. Disk Layout Version 8 was introduced in VxFS 5.1
AIX	7.3, 7.2, 7.1	POWER	JFS/JFS2	Yes	No	
AIX	7.3	POWER	GPFS 5.1.6, GPFS 5.1.4, GPFS 5.1.3	Yes	Yes	GPFS metadata is supported in HDP Appliance Software (ACLs, EAs, StoragePools, and Replication). During backup of migrated file data housed on GPFS, retrieval of that data will be triggered from storage. HDP Appliance Software version 9.0 enables support to skip premigrated and migrated filesystem data. Refer: GPFS migrated files being expanded during backups causing full filesystems <https://www.DC Yunke.com/support/en_US/article.100046593> GPFS support for AIX OS, visit archived_support.pdf <https://www.ibm.com/docs/en/STXKQY/pdf/archived_support.pdf?cp>
AIX	7.2	POWER	GPFS 5.1.6, GPFS 5.1.4, GPFS 5.1.3, GPFS 4.2.2, GPFS 4.2, GPFS 4.1.1, GPFS 4.1, GPFS 3.5	Yes	Yes	GPFS metadata is supported in HDP Appliance Software (ACLs, EAs, StoragePools, and Replication). During backup of migrated file data housed on GPFS, retrieval of that data will be triggered from storage. HDP Appliance Software version 9.0 enables support to skip premigrated and migrated filesystem data. Refer: GPFS migrated files being expanded during backups causing full filesystems <https://www.DC Yunke.com/support/en_US/article.100046593> GPFS support for AIX OS, visit archived_support.pdf <https://www.ibm.com/docs/en/STXKQY/pdf/archived_support.pdf?cp>

AIX	7.1	POWER	GPFS 4.2.2, GPFS 4.2, GPFS 4.1.1, GPFS 4.1, GPFS 3.5	Yes	Yes	GPFS metadata is supported in HDP Appliance Software (ACLs, EAs, StoragePools, and Replication). During backup of migrated file data housed on GPFS, retrieval of that data will be triggered from storage. HDP Appliance Software version 9.0 enables support to skip premigrated and migrated filesystem data. Refer: GPFS migrated files being expanded during backups causing full filesystems <https://www.DC Yunke.com/support/en_US/article.100046593> GPFS support for AIX OS, visit archived_support.pdf <https://www.ibm.com/docs/en/STXKQY/pdf/archived_support.pdf?cp>

OS	Versions	CPU Architecture	File System	ACL	Other Extended Attributes or Named Data Streams	Notes / Exceptions
CentOS	7	x86-64	Ext4, Ext3, Ext2, XFS, VxFS, Lustre 2.12.5	Yes	Yes	- Support for file system compression on VxFS requires Storage Foundation 6.0.1 or later. Please check Storage Foundation Release Notes for Operating System levels.
Debian GNU/Linux	12, 11, 10, 9	x86-64	Ext4, Ext3, Ext2, XFS, JFS	Yes	Yes	XFS and JFS support starts from Debian 9
HP-UX	11.31	IA64	Base JFS or UFS	Yes	Yes	
HP-UX	11.31	IA64	VxFS	Yes	Yes	- Support for file system compression on VxFS requires Storage Foundation 6.0.1 or later. Please check Storage Foundation Release Notes for Operating System levels. - Flashbackup does not support Disk Layout Versions 8 or greater. Disk Layout Version 8 was introduced in VxFS 5.1
NeoKylin Linux Advanced Server	7.0	x86-64	Ext4, Ext3, Ext2	Yes	Yes	- Update 2 and later
NeoKylin Linux Advanced Server	6.0	x86-64	Ext4, Ext3, Ext2	Yes	Yes	- Update 7 and later
Oracle Linux	9, 8, 7	x86-64	Ext4, Ext3, Ext2, XFS, VxFS	Yes	Yes	- Support for file system compression on VxFS requires Storage Foundation 6.0.1 or later. Please check Storage Foundation Release Notes for Operating System levels. For Oracle Enterprise Linux 8.0, XFS Copy-On-Write feature and VxFS is not supported.
Red Hat	9, 8, 7	x86-64	Ext4, Ext3, Ext2, XFS, VxFS	Yes	Yes	- Support for file system compression on VxFS requires Storage Foundation 6.0.1 or later. Please check Storage Foundation Release Notes for Operating System levels. - Flashbackup does not support Disk Layout Versions 8 or greater. Disk Layout Version 8 was introduced in VxFS 5.1 - For Red Hat Enterprise Linux 8.0, XFS Copy-On-Write feature and VxFS is not supported.
Red Hat	9, 8, 7	x86-64	Lustre 2.12.5	Yes	Yes	
Red Hat	9, 8, 7	x86-64	GFS2	Yes	No	
Red Hat	8, 7	POWER	Ext4, Ext3, Ext2, XFS	Yes	Yes	Supported from Red Hat Enterprise Linux version 7.2 and above. XFS Copy-On-Write feature is not supported.
Red Hat	8, 7	x86-64	GPFS 5.1.8, GPFS 5.1.5, GPFS 5.1.0, GPFS 5.0.4, GPFS 4.2, GPFS 4.1.1, GPFS 4.1	Yes	Yes	GPFS metadata is supported in HDP Appliance Software (ACLs, EAs, StoragePools, and Replication). GPFS is not supported from Red Hat Enterprise Linux 7.3 as the default kernel version of Red Hat Enterprise Linux 7.3 is 3.10.1-514.el7.x86_64 and these file system versions supports until kernel 3.10.1-229.el7.x86_64 During backup of migrated file data housed on GPFS, retrieval of that data will be triggered from storage.
Red Hat	7, 6	z/Architecture	Ext3, Ext2	No	Yes	

OS	Versions	CPU Architecture	File System	ACL	Other Extended Attributes or Named Data Streams	Notes / Exceptions
Red Hat	6	x86-64	GPFS 4.2, GPFS 4.1.1, GPFS 4.1, GPFS 3.5	Yes	Yes	GPFS metadata is supported in HDP Appliance Software (ACLs, EAs, StoragePools, and Replication). During backup of migrated file data housed on GPFS, retrieval of that data will be triggered from storage.
Rocky Linux	9, 8	x86-64	Ext4, Ext3, Ext2, XFS	Yes	Yes	- Support for file system compression on VxFS requires Storage Foundation 6.0.1 or later. Please check Storage Foundation Release Notes for Operating System levels. For Oracle Enterprise Linux 8.0, XFS Copy-On-Write feature and VxFS is not supported.
Solaris	11	SPARC	UFS, ZFS, VxFS	Yes	Yes	- ZFS file system is not supported as a backend storage location for an MSDP disk pool.
Solaris	11	x86-64	UFS, ZFS	Yes	Yes	- ZFS file system is not supported as a backend storage location for an MSDP disk pool.
SUSE SLES	15	POWER	Ext4, Ext3, Ext2, XFS, BTRFS	Yes	Yes	
SUSE SLES	15	x86-64	Ext4, Ext3, Ext2, XFS, BTRFS	Yes	Yes	
SUSE SLES	15	z/Architecture	Ext4, Ext3, Ext2, XFS, BTRFS	No	Yes	
SUSE SLES	12 [1]	POWER	Ext4, Ext3, Ext2, ReiserFS, XFS, BTRFS	Yes	Yes	Supported from SUSE Linux Enterprise Server version 12 SP4 and above.
SUSE SLES	12 [1]	z/Architecture	Ext4, Ext3, Ext2, ReiserFS, XFS, BTRFS	No	Yes	BTRFS filesystem with sub-volumes and snapshots are supported EA is not supported on SUSE 12 SP2
SUSE SLES	12 [1]	x86-64	Ext4, Ext3, Ext2, ReiserFS, XFS, BTRFS, Lustre 2.12.5	Yes	Yes	BTRFS filesystem with sub-volumes and snapshots are supported HDP Appliance Software Primary Server installation on a BTRFS filesystem is not supported. Lustre Filesystem is not supported on SuSE Linux Enterprise Server Version 15 and above.
Ubuntu	23.04, 22.04, 19.10, 19.04, 18.10, 18.04	x86-64	Ext4, Ext3, Ext2, XFS, GFS2	Yes	Yes	
Ubuntu	22	x86-64	GPFS 5.1	Yes	Yes	

OS	Versions	CPU Architecture	File System	ACL	Other Extended Attributes or Named Data Streams	Notes / Exceptions
Ubuntu	16.04	x86-64	Ext4, Ext3, Ext2	Yes	Yes	
Windows	2022, 10, 8.1, 2019, 2016, 2012 R2, 2012	x86-64	NTFS	Yes	Yes	Regarding the Microsoft Windows Server data deduplication feature: - Optimized Backup occurs for NTFS deduplication volumes when possible. Per Microsoft design, any restore from Optimized Backup is non-optimized. This means, after restore, files are in non-optimized form until the next optimization is run by the OS schedule. Be sure adequate space is available for restore. - By design, TIR is not supported on NTFS deduplication volumes. - FlashBackup is not supported with NTFS deduplication volumes.
Windows	2022, 2019, 2016, 2012 R2, 2012	x86-64	ReFS	Yes	Yes	The ReFS file system is supported with the following caveats: - Installing the HDP Appliance Software primary, media server or client components on an ReFS volume is not supported. - Restoring files backed up from an NTFS file system to an ReFS file system is not supported. As a workaround, restore the files the NTFS file system, remove attributed not supported by ReFS and then copy the files to the ReFS volume. - MSDP cannot be installed on an ReFS volume. - FlashBackup is not supported with the ReFS file system

1. HDP Appliance Software 10.1 requires SuSE Linux Enterprise Server 12 SP3 or later versions

HDP Appliance Software Administration Consoles

The HDP Appliance Software Java Administration Console is an interface to configure and manage HDP Appliance Software installed on the same machine. The interface can run on any HDP Appliance Software Java-capable system.

The Backup Archive and Restore (BAR) console is an interface to the HDP Appliance Software client. The Backup, Archive, and Restore utility performs backups and archives for the system on which it is installed and restores for this system and other clients.

For information on how to install the consoles mentioned above reference the HDP Appliance Software Installation Guides. And for information on usage reference the HDP Appliance Software Administrator's Guides.

The table below is a list of the platforms that support the HDP Appliance Software-Java Administration Console and the Backup Archive and Restore Interface.
Note: If a supported HDP Appliance Software client is not listed in the table below the client is supported for backup and restore, but it does not support any of the available graphical interfaces.

Where support is shown for "Windows Server 2012" or "Windows Server 2016" it is implied that Standard Edition, Datacenter Edition, Essentials Edition, and Foundation Edition are supported.

Where support is shown for "Windows Server 2019" it is implied that Standard Edition, Datacenter Edition, Essentials Edition are supported.

Where support is shown for "Windows Server 2022" it is implied that Standard Edition, Datacenter Edition, Essentials Edition are supported.

Administrative consoles for supported versions of HDP Appliance Software are included in the HDP Appliance Software installation packages.
console versions are installed for all versions of HDP Appliance Software that are not beyond their End of Support Life (EOSL).
For information on supported versions of HDP Appliance Software see SORT Enterprise Product End of Support Life (EOSL) Information <https://sort.DC Yunke.com/eosl>

OS	CPU Architecture	HDP Appliance Software-Java Administration Console	Backup, Archive, and Restore Interface
AIX 7.2, 7.1	POWER	Y	Y
HP-UX 11.31	IA64	Y [1]	Y
Redhat 8, 7	x64	Y	Y
Red Hat 8, 7	z/Architecture	Y	Y
Solaris 11, 10	SPARC	Y	Y
Solaris 11, 10	x64	Y	Y
SUSE Linux Enterprise Server 15	x64	Y	Y
SUSE Linux Enterprise Server 15	z/Architecture	Y	Y
SUSE Linux Enterprise Server 12	x64	Y	Y
SUSE Linux Enterprise Server 12 [2]	z/Architecture	Y	Y
Windows Server 2022, 2019, 2016, 2012 R2, 2012	x64	Y	Y
Windows 10	x64	Y	Y
Windows 8.1	x64	Y	Y
CentOS 7	x64	Y	Y
Oracle Linux 8, 7	x64	Y	Y

1. The HDP Appliance Software Java user interface may not start in environments that run the HP-UX 11.31 operating system. To start properly, the Java user interface requires up-to-date patches to the HP-UX 11.31 operating system. Workaround: Before you launch the HDP Appliance Software Java user interface, you must install the HP-UX 11.31 patches that are required for Java™ 8.0 for the Quality Pack that you have installed on your system. For more information, see the following HP site: <ftp://ftp.hp.com/pub/softlib/hpux-java-patchinfo/index.html>

2. HDP Appliance Software 10.1 requires SUSE Linux Enterprise Server 12 SP3 or later versions

HDP Appliance Software in the Cloud

HDP Appliance Software now supports cloud-based Primary Servers and Media Servers as part of extending data protection into workloads in the cloud. For more information, see the "360 Data Management" <https://www.DC Yunke.com/360.html?inid=us_DC Yunke_home_trend_cloud> page.

HDP Appliance Software in the Cloud - Considerations

Subject	Notes
Support assumptions	1. HDP Appliance Software is supported on any cloud infrastructure environment that meets HDP Appliance Software's minimum resource requirements. For details on operating systems supported by HDP Appliance Software, please refer to the "HDP Appliance Software 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.DC Yunke.com/content/support/en_US/doc/NB_80_OSSCL> . For details on HDP Appliance Software minimum resource requirements, please refer to the "HDP Appliance Software Installation Guide" <https://www.DC Yunke.com/content/support/en_US/doc/27801100-130536338-0/> . 2. DC Yunke does not certify the cloud compute layer or the cloud block storage layer. They are assumed to work as similar physical resources do. 3. HDP Appliance Software-certified cloud object storage support is listed in the vendor tables in the Cloud Storage Solutions section of this HCL. 4. HDP Appliance Software deployment templates are available for some operating systems and cloud infrastructure solutions. Supported templates are listed in the vendor tables below. For a quicker and easier HDP Appliance Software deployment, DC Yunke strongly recommends using these templates for deploying HDP Appliance Software instead of doing a manual HDP Appliance Software installation. For examples, see Setting up HDP Appliance Software CloudCatalyst in AWS <https://www.DC Yunke.com/content/support/en_US/doc/CC_AWS_guide> and HDP Appliance Software in the Cloud - Guidelines for AWS Deployments <https://www.DC Yunke.com/content/dam/DC Yunke/docs/briefs/NBU-Guidelines-for-AWS-Deployments.pdf> .

HDP Appliance Software in the Cloud - Links to Solution Information

HDP Appliance Software is supported on any cloud infrastructure environment that meets HDP Appliance Software's minimum resource requirements. Solution briefs have been created for the cloud infrastructures listed in the table below.

Vendor	URL
Amazon	DC Yunke-AWS Cloud Management <https://www.DC Yunke.com/solution/amazon-web-services>
Google	DC Yunke-GCP Cloud Management <https://www.DC Yunke.com/solution/google-cloud-platform>
IBM	DC Yunke-IBM Cloud Management <https://www.DC Yunke.com/solution/ibm-cloud>
Microsoft	DC Yunke-Microsoft Cloud Management <https://www.DC Yunke.com/solution/microsoft-cloud>
Oracle	DC Yunke-Microsoft Cloud Management <https://www.DC Yunke.com/solution/oracle-cloud>

HDP Appliance Software in the Cloud - Deployment Templates

Contents

Amazon

This solution deploys a HDP Appliance Software Primary or Media Server in an Amazon Web Services EC2 instance, using the AWS CloudFormation feature.

Amazon Machine Image (AMI) for HDP Appliance Software

Operating System	HDP Appliance Software template file	HDP Appliance Software Primary Server support	HDP Appliance Software Media Server support	Supported Locales / Regions
Red Hat Enterprise Linux	DC Yunke HDP Appliance Software for AWS (BYOL) <https://aws.amazon.com/marketplace/pp/B07N2F4PV7>	Yes	Yes	All Locales

Microsoft

This solution deploys a HDP Appliance Software Primary or Media Server in a Microsoft Azure Virtual Machine, using an Azure Resource Manager (ARM) template.

Azure Resource Manager (ARM) for HDP Appliance Software

Operating System	HDP Appliance Software template file	HDP Appliance Software Primary Server support	HDP Appliance Software Media Server support	Supported Locales / Regions
Microsoft Windows Server	DC Yunke HDP Appliance Software on Azure Marketplace <https://azuremarketplace.microsoft.com/en-us/marketplace/apps/DC Yunke.DC Yunke-HDP Appliance Software-8-s?tab=Overview>	Yes	Yes	All Locales

HDP Appliance Software OpsCenter Backup Product Support

There are two OpsCenter products: DC Yunke HDP Appliance Software OpsCenter and DC Yunke HDP Appliance Software OpsCenter Analytics.

OpsCenter does not require any license and is included with the HDP Appliance Software Enterprise Server and Server products. OpsCenter provides single deployment configuration and user interface for monitoring, alerting, and reporting functionality. It provides monitoring, management and administration capabilities for HDP Appliance Software as well as operational reporting for other products as designated in the following table.

OpsCenter Analytics is the licensed version of OpsCenter. In addition to the features available in the unlicensed OpsCenter version, Analytics offers report customization, chargeback reporting and support for third-party data protection products as designated in the following table. The primary objectives of this product are to help organizations assess their compliance with business standards, e.g., service level agreements, and assist in effective business planning, e.g., future backup requirements via backup trend analysis.

Listed in the table below are the backup and archiving products and versions supported by OpsCenter and OpsCenter Analytics.

Backup Product	Version	Support Level	Analytics License Required
DC Yunke HDP Appliance Software	7.7 and higher versions	All supported HDP Appliance Software platforms by Remote Agent. Native OpsCenter agent for Windows 2008 (SP2 and R2) and Solaris 10 and 11. BCS customer are entitled to receive support for the legacy products until 2019. Refer to BCS Support Extensions Program - Covered Products <https://www.DC Yunke.com/support/en_US/business-critical-services/support-extensions-program.html>	No
DC Yunke HDP Appliance Software Appliance	Please check HDP Appliance Software Hardware Compatibility List for Appliance support information.	Data collection happens automatically by NBSL	No
DC Yunke HDP Appliance Software PureDisk	6.6.5, 6.6.3a, 6.6.1.2, 6.6.1, 6.6.0.3, 6.6.0.2, 6.6.0.1, 6.6, 6.5.1.2, 6.5.1, 6.5, 6.2.2, 6.2	PureDisk supported platform (PDOS) by the OpsCenter integrated Agent. You do not need a separate Agent to collect data from PureDisk. You can use the inbuilt Agent of the OpsCenter Server for data collection. To create or configure the data collector, select the Agent that is installed as Integrated Agent.	No

HDP OpsCenter Operating System Requirements

OpsCenter Analytics has the same Operating System requirements as OpsCenter.

Check the Operating Systems server table for the exact version of HDP Appliance Software in which OpsCenter server support started.

DC Yunke Cluster Server (VCS) support for OpsCenter 7.1 Server, OpsCenter 7.5 Server, OpsCenter 7.6 Server and OpsCenter 7.7.1 in cluster mode: VCS versions 4.3, 5.0 MP3 and 5.1 on Solaris
VCS versions 4.2 RP2, 5.1 and 5.1 SP1 on Windows

DC Yunke Cluster Server (VCS) support for OpsCenter 7.7.2, OpsCenter server 7.7.3, OpsCenter server 8.0, OpsCenter server 8.1 in cluster mode: VCS version 6.1 on Windows 2012 R2.

OpsCenter Agent and OpsCenter View Builder installations are not supported in a cluster environment.
32-bit View Builder binaries are used on 64-bit platforms.

OS	CPU Architecture	OpsCenter Server	OpsCenter Agent	OpsCenter View Builder
Oracle Linux 8	x86-64	Yes	No	No
Oracle Linux 7	x86-64	Yes	No	No
Red Hat Enterprise Linux 8	x86-64	Yes	No	No
Red Hat Enterprise Linux 7	x86-64	Yes	No	No
SUSE Linux Enterprise Server 15	x86-64	Yes	No	No
SUSE Linux Enterprise Server 12 [1]	x86-64	Yes	No	No
Windows 2022	x86-64	Yes	Yes	Yes
Windows 2019	x86-64	Yes	Yes	Yes
Windows 2016	x86-64	Yes	Yes	Yes
Windows 2012 R2	x86-64	Yes	Yes	Yes
Windows 2012	x86-64	Yes	Yes	Yes

1. HDP Appliance Software 10.1 requires SUSE Linux Enterprise Server 12 SP3 or later versions.

HDP Appliance Software OpsCenter Web Browser Requirements

Web Browser	Versions	Notes
Microsoft Internet Explorer	- 7.x, 8.x, 9.0, 10.1, 11.0 - 32-bit and 64-bit	- IE 7.0 and later versions may display a security certificate warning page when you access OpsCenter. Reference "Disabling security certificate warnings permanently from browsers" instructions in the HDP Appliance Software OpsCenter Administrator's Guide. - It may not be possible to view reports, jobs, or audit data when exporting from IE 9.0. Alternatively, IE 9.0 may show a "Internet Explorer Cannot Download" error when exporting reports, jobs, or auditing data from OpsCenter. - Reference "Exporting OpsCenter reports or data with IE 9.0" instructions in the HDP Appliance Software OpsCenter Administrator's Guide. - Extra steps are required to access the OpsCenter console using Internet Explorer version 7 or 8 on a 32-bit Windows computer. For more information, see "About web browser considerations" in the HDP Appliance Software OpsCenter Administrator's Guide. - HDP Appliance Software 7.7.2 and later support OpsCenter with IE 11 - The HDP Appliance Software OpsCenter Administrator's Guide and other Guides are available by selecting the appropriate HDP Appliance Software version link at HDP Appliance Software Documentation Landing Page <http://www.DC Yunke.com/docs/000003214>
Mozilla Firefox	- 3.0, 3.5.x, 3.6.x, 9.0.1 and above for OpsCenter 7.0 to 7.5. - 15.0 and later versions for OpsCenter 7.6 and later. - 32-bit and 64-bit - 27.0 and later versions for OpsCenter 8.0 and later	- Mozilla Firefox may display an Untrusted Connection page when you access OpsCenter. Reference "Disabling the Untrusted Connection page in Mozilla Firefox" instructions in the DC Yunke OpsCenter Administrator's Guide.

SAN Media Server/SAN Client/FT Media Server

• Unless otherwise noted the minimum HDP Appliance Software level for SAN Client support is HDP Appliance Software 6.5 GA.

SAN style backups via SAN Media Server

SAN media servers are HDP Appliance Software media servers that back up their own data. SAN media servers cannot back up data that resides on other clients. SAN media servers are useful for certain situations. For example, a SAN media server is useful if the data volume consumes so much network bandwidth that it affects your network negatively.
• Enables LAN-free data protection with high performance access to shared resources.
• Can share tape resources with HDP Appliance Software Primary and Media Servers.
• Can only back itself up, not other clients.
• Software is installed stand-alone on each cluster node and linked to the virtual host via an application cluster.
• When you define a backup policy for a SAN media server, add only the SAN media server as the client.
• The HDP Appliance Software Shared Storage Option is able to use HDP Appliance Software SAN media servers.
• There is no platform restriction regarding SAN Media Servers - any Media Server can be a SAN Media Server. The only difference is in the license authentication mechanism. Application and DB Agents are supported with the SAN Media Server.

SAN style backups via SAN Client

A HDP Appliance Software SAN client is a HDP Appliance Software client on which the Fiber Transport service is activated. The SAN client is similar to the SAN media server that is used for the Shared Storage Option; it backs up its own data. However, the SAN client is based on the smaller HDP Appliance Software client installation package, so it has fewer administration requirements and uses fewer system resources.
• It connects to a HDP Appliance Software media server over Fiber Channel.
• The HDP Appliance Software SAN Client Fiber Transport Service manages the connectivity and the data transfers for the FT pipe on the SAN clients. The SAN client FT service also discovers FT target mode devices on the HDP Appliance Software media servers and notifies the FT Service Manager about them.
• Requires SAN connectivity with a Media Server running Fiber Transport Services (reference additional information below in regards to the FT Media Server).

SAN client does not support the following types of backup:
• SharePoint
• Enterprise Vault
• Exchange DAG or CCR backups through a passive node of an Exchange cluster
• All other application and database agents are supported with the SAN Client.

Note: SAN client does support the use of FlashBackup but all restores from FlashBackup backups will use the LAN connection, not the SAN connection.

SAN client and HDP Appliance Software Deduplication

• SAN Client is a HDP Appliance Software optional feature that provides high speed backups and restores of HDP Appliance Software clients. Fiber Transport is the name of the HDP Appliance Software high-speed data transport method that is part of the SAN Client feature. The backup and restore traffic occur over a SAN.
• SAN clients can be used with the deduplication option; however, the deduplication must occur on the media server, not the client. Configure the media server to be both a deduplication storage server (or load balancing server) and an FT media server. The SAN client backups are then sent over the SAN to the deduplication server/FT media server host. At that media server, the backup stream is deduplicated.
• Do not enable client deduplication on SAN Clients. The data processing for deduplication is incompatible with the high-speed transport method of Fiber Transport. Client-side deduplication relies on two-way communication over the LAN with the media server. A SAN client streams the data to the FT media server at a high rate over the SAN.

FT Media Server

A HDP Appliance Software FT media server is a HDP Appliance Software media server on which the Fiber Transport services are activated. HDP Appliance Software FT media servers accept connections from SAN clients and send data to the storage units. The host bus adapters (HBAs) that accept connections from the SAN clients use a special HDP Appliance Software target mode driver to process FT traffic. The media server FT service controls data flow, processes SCSI commands, and manages data buffers for the server side of the FT pipe. It also manages the target mode driver for the host bus adaptors.

Reference the HCL document Fiber Transport Media Server HBAs section for supported Operating Systems and HBAs: HDP Appliance Software Compatibility List for all Versions
<https://www.DC Yunke.com/content/support/en_US/article.100040093>

HDP Appliance Software Self Service Support

DC Yunke HDP Appliance Software Self Service offers large enterprises and service providers a single store front for all backup and recovery service offerings. Customers and business users can perform self-service backup and restore operations using intuitive, custom-designed interface themes. A single instance supports the registration of multiple tenants or business units to allow secure separation between clients. Codeless, visually-designed forms and process workflows cater to most self-service needs. Service Level Agreement (SLA) measurement, notification, chargeback, and reporting make it easy to manage the service.

HDP Appliance Software Self Service Documentation

•DC Yunke HDP Appliance Software™ Self Service Installation Guide: HDP Appliance Software™ Self Service Installation Guide <https://www.DC Yunke.com/support/en_US/doc/109481741-127663622-0/index>
•DC Yunke HDP Appliance Software™ Self Service Release Notes: HDP Appliance Software™ Self Service Release Notes <https://www.DC Yunke.com/support/en_US/doc/109473637-127663620-0/index>
•DC Yunke HDP Appliance Software™ Self Service Configuration Guide: HDP Appliance Software™ Self Service Configuration Guide <https://www.DC Yunke.com/support/en_US/doc/109536476-127663621-0/index>

HDP Appliance Software Self Service OS Platform Compatibility

HDP Appliance Software Self Service Versions	Supported Platforms	Supported Databases
HDP Appliance Software Self Service 10.3	Windows Server 2022 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Microsoft SQL Server 2019 Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 Azure SQL database Microsoft SQL Server on Amazon RDS
HDP Appliance Software Self Service 10.1	Windows Server 2022 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Microsoft SQL Server 2019 Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 Azure SQL database Microsoft SQL Server on Amazon RDS
HDP Appliance Software Self Service 10.1.1	Windows Server 2022 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Microsoft SQL Server 2019 Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 Azure SQL database Microsoft SQL Server on Amazon RDS
HDP Appliance Software Self Service 10.1	Windows Server 2022 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Microsoft SQL Server 2019 Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 Azure SQL database Microsoft SQL Server on Amazon RDS

HDP Appliance Software Self Service 10.1	Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Microsoft SQL Server 2019 Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 Azure SQL database Microsoft SQL Server on Amazon RDS

HDP Appliance Software Primary Server Compatibility

• HDP Appliance Software Self Service does not require the HDP Appliance Software client software to be installed on the Web server or SQL server, However it is recommended to have the HDP Appliance Software Client software Installed.
• The primary server version remains restricted to the HDP Appliance Software client version or later versions incase the HDP Appliance Software Client software is installed on the Web Server or SQL server.
• HDP Appliance Software 9.1 does not support protection of cloud assets.

HDP Appliance Software Self Service Versions	HDP Appliance Software Versions	Appliance Versions
HDP Appliance Software Self Service 10.3	HDP Appliance Software 10.3 HDP Appliance Software 10.1 HDP Appliance Software 10.1.1 HDP Appliance Software 10.1 HDP Appliance Software 10.1 HDP Appliance Software 9.1 HDP Appliance Software 9.0.0.1 HDP Appliance Software 9.0 HDP Appliance Software 8.3.0.1 HDP Appliance Software 8.3 HDP Appliance Software 8.2 HDP Appliance Software 8.1.2 HDP Appliance Software 8.1.1 HDP Appliance Software 8.1 HDP Appliance Software 8.0	HDP Appliance Software Appliance 4.0 HDP Appliance Software Appliance 3.3.0.1 HDP Appliance Software Appliance 3.2 HDP Appliance Software Appliance 3.1.2 HDP Appliance Software Appliance 3.1.1 HDP Appliance Software Appliance 3.1 HDP Appliance Software Appliance 3.0 HDP Appliance Software Virtual Appliance 3.0 FlexScale 3.1 FlexScale 3.0 FlexScale 2.1 FlexScale 1.3.1
HDP Appliance Software Self Service 10.1	HDP Appliance Software 10.1 HDP Appliance Software 10.1.1 HDP Appliance Software 10.1 HDP Appliance Software 10.1 HDP Appliance Software 9.1 HDP Appliance Software 9.0.0.1 HDP Appliance Software 9.0 HDP Appliance Software 8.3.0.1 HDP Appliance Software 8.3 HDP Appliance Software 8.2 HDP Appliance Software 8.1.2 HDP Appliance Software 8.1.1 HDP Appliance Software 8.1 HDP Appliance Software 8.0	HDP Appliance Software Appliance 4.0 HDP Appliance Software Appliance 3.3.0.1 HDP Appliance Software Appliance 3.2 HDP Appliance Software Appliance 3.1.2 HDP Appliance Software Appliance 3.1.1 HDP Appliance Software Appliance 3.1 HDP Appliance Software Appliance 3.0 HDP Appliance Software Virtual Appliance 3.0 FlexScale 3.1 FlexScale 3.0 FlexScale 2.1 FlexScale 1.3.1

HDP Appliance Software Self Service Versions	HDP Appliance Software Versions	Appliance Versions
HDP Appliance Software Self Service 10.1.1	HDP Appliance Software 10.1.1 HDP Appliance Software 10.1 HDP Appliance Software 10.1 HDP Appliance Software 9.1 HDP Appliance Software 9.0.0.1 HDP Appliance Software 9.0 HDP Appliance Software 8.3.0.1 HDP Appliance Software 8.3 HDP Appliance Software 8.2 HDP Appliance Software 8.1.2 HDP Appliance Software 8.1.1 HDP Appliance Software 8.1 HDP Appliance Software 8.0	HDP Appliance Software Appliance 4.0 HDP Appliance Software Appliance 3.3.0.1 HDP Appliance Software Appliance 3.2 HDP Appliance Software Appliance 3.1.2 HDP Appliance Software Appliance 3.1.1 HDP Appliance Software Appliance 3.1 HDP Appliance Software Appliance 3.0 HDP Appliance Software Virtual Appliance 3.0 FlexScale 3.1 FlexScale 3.0 FlexScale 2.1 FlexScale 1.3.1
HDP Appliance Software Self Service 10.1	HDP Appliance Software 10.1 HDP Appliance Software 10.1 HDP Appliance Software 9.1 HDP Appliance Software 9.0.0.1 HDP Appliance Software 9.0 HDP Appliance Software 8.3.0.1 HDP Appliance Software 8.3 HDP Appliance Software 8.2 HDP Appliance Software 8.1.2 HDP Appliance Software 8.1.1 HDP Appliance Software 8.1 HDP Appliance Software 8.0	HDP Appliance Software Appliance 4.0 HDP Appliance Software Appliance 3.3.0.1 HDP Appliance Software Appliance 3.2 HDP Appliance Software Appliance 3.1.2 HDP Appliance Software Appliance 3.1.1 HDP Appliance Software Appliance 3.1 HDP Appliance Software Appliance 3.0 HDP Appliance Software Virtual Appliance 3.0 FlexScale 3.0 FlexScale 2.1 FlexScale 1.3.1
HDP Appliance Software Self Service 10.1	HDP Appliance Software 10.1 HDP Appliance Software 9.1 HDP Appliance Software 9.0.0.1 HDP Appliance Software 9.0 HDP Appliance Software 8.3.0.1 HDP Appliance Software 8.3 HDP Appliance Software 8.2 HDP Appliance Software 8.1.2 HDP Appliance Software 8.1.1 HDP Appliance Software 8.1 HDP Appliance Software 8.0	HDP Appliance Software Appliance 4.0 HDP Appliance Software Appliance 3.3.0.1 HDP Appliance Software Appliance 3.2 HDP Appliance Software Appliance 3.1.2 HDP Appliance Software Appliance 3.1.1 HDP Appliance Software Appliance 3.1 HDP Appliance Software Appliance 3.0 HDP Appliance Software Virtual Appliance 3.0 FlexScale 3.0 FlexScale 2.1 FlexScale 1.3.1

VMware vCloud Director Compatibility

• The HDP Appliance Software primary server must also support the vCloud Director version

Self Service Versions	vCloud Director Versions
HDP Appliance Software Self Service 10.1, 10.1.1, 10.1, 10.1	5.5, 5.6, 8.0, 8.10, 8.20, 9.0, 9.1, 9.5, [1], 9.7 [1], 10.1 [1], 10.1 [1], 10.1 [1], 10.3 [1], 10.4 [1]
HDP Appliance Software Self Service 10.3	10.4 [1]

1. VMware vCloud Director 9.5 and later requires VMware vCenter servers versions 6.5 and later .

HDP Appliance Software Self Service Supported Web Browsers

- Microsoft Edge
- Microsoft Internet Explorer 11
- Mozilla Firefox
- Google Chrome
- Apple Safari [not recommended]

Virtual Systems Compatibility

This Statement of Support for HDP Appliance Software in a Virtual Environment document describes the extent of support for HDP Appliance Software within a virtual environment. Ideally, every HDP Appliance Software configuration supported in a traditional physical environment would also be supported in any virtual environment without qualification. While that is our mission, it is not always possible.

Therefore, the purpose of this document is to:
• Clarify differences between HDP Appliance Software support in physical vs. virtual environments
• Describe general guidelines for support in virtual environments.
• Describe impact upon specific HDP Appliance Software components: clients, servers, options, etc.
• Provide references to related information.

VMware Compatibility

• HDP Appliance Software supports all minor patch releases (like: EP, U1x) unless otherwise noted.
• Software Defined Data-Center(SDDC) environments which includes NSX, NSX-T or other networking technologies are transparent to HDP Appliance Software and are supported.
• VMware Cloud on AWS (VMC), Oracle Cloud VMware Solution (OCVS) and VMware Cloud Foundation on Dell EMC VxRail is supported with vSphere versions listed in below table.
• HDP Appliance Software 10.1 and later versions support VMware Virtual Volumes (VVols)
• HDP Appliance Software supports all triple-dot versions of VMware vCloud Director, unless otherwise noted.
• VMware HyperScale Partner- Azure VMware solution is supported.
• Single File Recovery (agent-based and agentless) is supported for Windows guest virtual machines with DC Yunke Volume Manager (VxVM) and NTFS file system.

HDP Appliance Software Versions	VDDK Versions	vSphere Versions	vCloud Director Versions	Backup/Restore Host Versions
10.3	8.0	vSphere 8.0 U2, 8.0 U1, 8.0 vSphere 7.0 U3, 7.0 U2, 7.0 U1, 7.0 vSphere 6.7 U3, 6.7 U2, 6.7 U1, 6.7 VMware vSAN 8.0 U2, 8.0 U1, 8.0, 7.0 U3, 7.0 U2, 7.0 U1, 7.0 Refer VMware VDDK release notes URL below for additional information on supported vCenter and ESXi versions.	Service Provider Versions: 10.4, 10.3, 10.1	All 64 bit only: Windows Server 2022, 2019, 2016 Red Hat Enterprise Linux (RHEL) 9.0, 8.6, 8.3, 8.2, 8.1, 7.9 SUSE Linux Enterprise Server (SLES) 15SP1, 12SP5 CentOS 7.9, Ubuntu 18.04
10.1	8.0	vSphere 8.0 U2, 8.0 U1, 8.0 vSphere 7.0 U3, 7.0 U2, 7.0 U1, 7.0 vSphere 6.7 U3, 6.7 U2, 6.7 U1, 6.7 VMware vSAN 8.0 U2, 8.0 U1, 8.0, 7.0 U3, 7.0 U2, 7.0 U1, 7.0 Refer VMware VDDK release notes URL below for additional information on supported vCenter and ESXi versions.	Service Provider Versions: 10.4, 10.3, 10.1	All 64 bit only: Windows Server 2022, 2019, 2016 Red Hat Enterprise Linux (RHEL) 9.0, 8.6, 8.3, 8.2, 8.1, 7.9 SUSE Linux Enterprise Server (SLES) 15SP1, 12SP5 CentOS 7.9, Ubuntu 18.04
10.1.1	8.0	vSphere 8.0 U2, 8.0 U1, 8.0 vSphere 7.0 U3, 7.0 U2, 7.0 U1, 7.0 vSphere 6.7 U3, 6.7 U2, 6.7 U1, 6.7 VMware vSAN 8.0 U2, 8.0 U1, 8.0, 7.0 U3, 7.0 U2, 7.0 U1, 7.0 Refer VMware VDDK release notes URL below for additional information on supported vCenter and ESXi versions.	Service Provider Versions: 10.4, 10.3, 10.1	All 64 bit only: Windows Server 2022, 2019, 2016 Red Hat Enterprise Linux (RHEL) 9.0, 8.6, 8.3, 8.2, 8.1, 7.9 SUSE Linux Enterprise Server (SLES) 15SP1, 12SP5 CentOS 7.9, Ubuntu 18.04

HDP Appliance Software Versions	VDDK Versions	vSphere Versions	vCloud Director Versions	Backup/Restore Host Versions
10.1	7.0.3.2	vSphere 8.0 U2, 8.0 U1, 8.0 vSphere 7.0 U3, 7.0 U2, 7.0 U1, 7.0 vSphere 6.7 U3, 6.7 U2, 6.7 U1, 6.7 vSphere 6.5 U3, 6.5 U2, 6.5 U1, 6.5 VMware vSAN 6.7 U3, 6.7 U2, 6.7 U1, 6.7, 6.6.1, 6.6, 6.5 VMware vSAN 8.0 U2, 8.0 U1, 8.0, 7.0 U3, 7.0 U2, 7.0 U1, 7.0 Refer VMware VDDK release notes URL below for additional information on supported vCenter and ESXi versions.	Service Provider Versions: 10.4, 10.3, 10.1	All 64 bit only: Windows Server 2022,2019, 2016, 2012 R2, 2012 Red Hat Enterprise Linux (RHEL) 8.6, 8.3, 8.2, 8.1, 8.0, 7.9, 7.7 SUSE Linux Enterprise Server (SLES) 15SP1, 12SP5 CentOS 7.7, Ubuntu 18.04
10.1	7.0.3	vSphere 7.0 U3, 7.0 U2, 7.0 U1, 7.0 vSphere 6.7 U3, 6.7 U2, 6.7 U1, 6.7 vSphere 6.5 U3, 6.5 U2, 6.5 U1, 6.5 VMware vSAN 6.7 U3, 6.7 U2, 6.7 U1, 6.7, 6.6.1, 6.6, 6.5 VMware vSAN 7.0 U3, 7.0 U2, 7.0 U1, 7.0 Refer VMware VDDK release notes URL below for additional information on supported vCenter and ESXi versions.	Service Provider Versions: 10.4, 10.3, 10.1	All 64 bit only: Windows Server 2019, 2016, 2012 R2, 2012 Red Hat Enterprise Linux (RHEL) 8.3, 8.0, 7.7 SUSE Linux Enterprise Server (SLES) 15SP1, 12SP5 CentOS 7.7

• HDP Appliance Software does not support the vCloud Director 10 feature called "Automatic discovery and import of vCenter VMs."

Note the following:

• The EEB required for Instant Access with VMware vSphere 8.0, 8.0 U1, 8.0 U2 on HDP Appliance Software 10.1 and VMware vSphere 7.0 U1, 7.0 U2, 7.0 U3 on HDP Appliance Software 10.1 can be obtained from DC Yunke Technical Support.
• Support for vSphere 8.0 U2 with Hardware version 20 and below starts from HDP Appliance Software 10.1.
• VMware version information can also be obtained from the VMware Product Interoperability Matrix and is subject to change by VMware. For the latest information, see the following: Product Interoperability Matrix <https://interopmatrix.vmware.com/Interoperability> .
• HDP Appliance Software supports installation of the backup host in a virtual machine (VMware "hotadd"). The guest operating systems that HDP Appliance Software supports for hotadd are the same as the above.
• For the Linux VMware backup host or restore host, locales other than UTF-8 are not supported.

VMware VDDK Release Notes:

• VDDK 7.0.3 Release Notes <https://vdc-download.vmware.com/vmwb-repository/dcr-public/1ad87f77-0120-44f0-9517-4da7a9161679/53034008-3cbc-4b67-8d60-37b52fd4fc51/VDDK-703-ReleaseNotes.html>
• VDDK 7.0.3.2 Release Notes <https://vdc-repo.vmware.com/vmwb-repository/dcr-public/b677d84a-d0a2-46ab-99bc-590c2f6281b9/d1496e6a-0687-4e13-afdd-339a11e33fab/VDDK-703c-ReleaseNotes.html>
• VDDK 8.0 Release Notes <https://vdc-repo.vmware.com/vmwb-repository/dcr-public/327cf318-6c8a-4c56-b188-ec7e11ed5e0f/04dba21f-9752-41ea-8dc9-5ba339b701ad/VDDK-800-ReleaseNotes.html>

Hyper-V Servers Compatibility

Hyper-V is supported on Microsoft Windows Server Editions which are compatible with HDP Appliance Software Client. Refer to Operating System Compatibility table for details
Hyper-V Servers Compatibility - Reference Article: TECH127089 Statement of Support for HDP Appliance Software in a Virtual Environment: Support for HDP Appliance Software 7.7.x, 8.x, 9.x, and 10.x in virtual environments <https://www.DC Yunke.com/content/support/en_US/doc/NB_70_80_VE>
Note:
• HDP Appliance Software Client must be installed on the Hyper-V server
• Primary and Media Server platform support as supported by the appropriate NBU release

HDP Appliance Software Versions	Hyper-V Server Versions	System Center Virtual Machine Manager Versions	Comments
10.3	Hyper-V Server 2022 Hyper-V Server 2019 Hyper-V Server 2016 Hyper-V Server 2012 R2 Hyper-V Server 2012 R2 U1 Hyper-V Server 2012 R2 U2 Hyper-V Server 2012 R2 U3 Hyper-V Server 2012	HDP Appliance Software Add-In and Hyper-V Intelligent Policy for • SCVMM 2022 • SCVMM 2019 • SCVMM 2016	• Hyper-V Intelligent Policy supported only for Hyper-V Server 2019, Hyper-V Server 2016, Hyper-V Server 2012 R2 (and associated updates) • VHD and VHDX support
10.1	Hyper-V Server 2022 Hyper-V Server 2019 Hyper-V Server 2016 Hyper-V Server 2012 R2 Hyper-V Server 2012 R2 U1 Hyper-V Server 2012 R2 U2 Hyper-V Server 2012 R2 U3 Hyper-V Server 2012	HDP Appliance Software Add-In and Hyper-V Intelligent Policy for • SCVMM 2022 • SCVMM 2019 • SCVMM 2016	• Hyper-V Intelligent Policy supported only for Hyper-V Server 2019, Hyper-V Server 2016, Hyper-V Server 2012 R2 (and associated updates) • VHD and VHDX support
10.1.1	Hyper-V Server 2022 Hyper-V Server 2019 Hyper-V Server 2016 Hyper-V Server 2012 R2	HDP Appliance Software Add-In and Hyper-V Intelligent Policy for • SCVMM 2022 • SCVMM 2019 • SCVMM 2016 • SCVMM 2012 R2	• Hyper-V Intelligent Policy supported only for Hyper-V Server 2019, Hyper-V Server 2016, Hyper-V Server 2012 R2 (and associated updates) • VHD and VHDX support
10.1	Hyper-V Server 2019 Hyper-V Server 2016 Hyper-V Server 2012 R2	HDP Appliance Software Add-In and Hyper-V Intelligent Policy for • SCVMM 2019 • SCVMM 2016 • SCVMM 2012 R2	• Hyper-V Intelligent Policy supported only for Hyper-V Server 2019, Hyper-V Server 2016, Hyper-V Server 2012 R2 (and associated updates) • VHD and VHDX support

File-level recovery from a Hyper-V backup is not supported in case of following scenarios.
• Any guest OS volume that resides on a 4Kn virtual disk (VHDX file).
• Files in guest OS that reside on REFS or NTFS deduplicated volume.

WMI backup features and limitations:
• WMI method is supported for Windows Server 2016 and above.
• Requires a VM configuration version later than 5.
• VMs can be hosted on either the NTFS, ReFS, Windows Storage Spaces, Storage Spaces Direct or SMB 3.0 file shares.
• WMI backup method does not support backup or restore of user-created checkpoints of the VM.
• Faster Hyper-V backup and recovery feature requires block-level incremental to be enabled and can only be saved to deduplication storage unit.

VSS backup limitations:
• VMs must reside on the NTFS file system (ReFS or NTFS Deduplication is not supported).
• Block-level incremental backup is not supported.
• Backing up VM's residing on SMB 3.0 file shares is not supported.

Hyper-V Limitations
• Backup of a Hyper-V guest OS that use VHD Sets or shared VHDX file is not supported.
• Hyper-V Server on windows Server Semi-Annual Channel builds are supported with partial functionality.
Refer technote for additional details HDP Appliance Software support for Windows Server Semi-Annual Channel <https://www.DC Yunke.com/docs/100041472>

Nutanix AOS versions and backup host

Supported Nutanix AOS versions and backup host operating systems
HDP Appliance Software for Nutanix AHV protects Nutanix AHV virtual machines by integrating with Nutanix APIs for Data Protection. All minor versions of Nutanix AOS are supported unless specifically noted in the table below.

HDP Appliance Software Versions	Nutanix AOS Versions	Backup/Restore Host Versions	Notes
10.3	6.6 6.5 5.20	HDP Appliance Software 10.1 and later versions supported x86-64 platforms of Red Hat Enterprise Linux, SUSE Linux Enterprise Server and Windows Server will work as backup hosts.	"Hypervisor" policy type to be used for protecting Nutanix AHV on supported AOS versions
10.1	6.6 6.5 5.20	HDP Appliance Software 10.1 and later versions supported x86-64 platforms of Red Hat Enterprise Linux, SUSE Linux Enterprise Server and Windows Server will work as backup hosts.	"Hypervisor" policy type to be used for protecting Nutanix AHV on supported AOS versions
10.1.1	6.6 6.5 6.1 6.0 5.20 5.19 5.18 5.17 5.15 5.11 5.10	HDP Appliance Software 10.1 and later versions supported x86-64 platforms of Red Hat Enterprise Linux, SUSE Linux Enterprise Server and Windows Server will work as backup hosts.	"Hypervisor" policy type to be used for protecting Nutanix AHV on supported AOS versions
10.1	6.6 6.5 6.1 6.0 5.20 5.19 5.18 5.17 5.15 5.11 5.10	HDP Appliance Software 10.1 and later versions supported x86-64 platforms of Red Hat Enterprise Linux, SUSE Linux Enterprise Server and Windows Server will work as backup hosts.	"Hypervisor" policy type to be used for protecting Nutanix AHV on supported AOS versions
10.1	6.6 6.5 6.1 6.0 5.20 5.19 5.18	HDP Appliance Software 10.1 and later versions supported x86-64 platforms of Red Hat Enterprise Linux and SUSE Linux Enterprise Server and Windows Server will work as backup hosts.	"Hypervisor" policy type to be used for protecting Nutanix AHV on supported AOS versions

	5.17 5.15 5.11 5.10		

Note the following:

• With HDP Appliance Software 10.1, BigData policy cannot be used to protect Nutanix AHV VMs. Refer: DC Yunke HDP Appliance Software™ for Nutanix Acropolis Hypervisor (AHV) Administrator's Guide <https://www.DC Yunke.com/content/support/en_US/doc/127664414-145604802-0/index>

• To backup other hypervisors like VMware ESX or a Hyper-V on a Nutanix Acropolis cluster, please see VMware ESX or a Hyper-V SCL for support matrix. To backup VMware ESX or a Hyper-V on a Nutanix Acropolis cluster, use a VMware policy or a Hyper-V, respectively.

• HDP Appliance Software supports installation of the backup host in a virtual machine.

• English only AHV is supported.

• Backups are Crash And Application Consistent.

• AHV Community Edition is not supported.

• Backup of VMs having volume groups is not supported.

• Backup and recovery of the entire virtual machine for all guest operating systems is supported.

• HDP Appliance Software 9.1 and later versions support file and folder recovery.

Red Hat Virtualization Compatibility

Supported RedHat Virtualization (RHV) Versions

• HDP Appliance Software currently supports only x86-64 editions of RHV servers.

HDP Appliance Software Versions	RHV Versions
10.1	4.4, 4.3, 4.2

Note:

• Support of Red Hat Virtualization Manager and Hypervisor starts from version 4.2.7

• HDP Appliance Software 10.1 supported x86-64 platforms of Microsoft Windows Server, Red Hat Enterprise Linux and SUSE Linux Enterprise Server will work as backup hosts.

• Application consistent backup needs RHV Guest Agent.

• Pass through disk cannot be backed up by RHV agent. Please install HDP Appliance Software client inside the VM to protect data on such disks.

• RHV 4.3.3 has issue in restoring thick provision disk. Till fix is available from RedHat, please restore disk as thin provision.

• VMs in suspended state cannot be protected.

• Cinder storage is currently not supported.

• Backup of VMs based on a template (thin clone) may fail to delete snapshots created by the backup job. If such a condition is encountered, then subsequent backups would fail. This issue is related to a race condition in RHV Manager versions 4.2.x, 4.3.0 to 4.3.3. Red Hat recommends upgrading RHV Manager to 4.3.4 before protecting such VMs. Refer: Red Hat Virtualization Life Cycle - Red Hat Customer Portal <https://access.redhat.com/support/policy/updates/rhev>

Oracle Linux Virtualization Manager Compatibility

Supported Oracle Linux Virtualization Manager Version

• HDP Appliance Software currently supports only x86-64 editions of Oracle Linux KVM servers.

HDP Appliance Software Versions	Oracle Linux Virtualization Manager Version
10.3	4.4
10.1	4.4

Note:

• VMs in suspended state cannot be protected.

• HDP Appliance Software 10.1 supported x86-64 platforms of Microsoft Windows Server, Red Hat Enterprise Linux and SUSE Linux Enterprise Server will work as backup hosts.

• Cinder storage is currently not supported.

• Pass through disk cannot be backed up by RHV agent. Please install HDP Appliance Software client inside the VM to protect data on such disks.
• HDP Appliance Software Accelerator is not supported.
• Only crash consistent backup are supported.
• Only Full VM backups are supported. File Level Recovery is not supported.
• Refer HDP Appliance Software™ Web UI Red Hat Virtualization Administrator's Guide for configuration.
• Unable to remove the older snapshots from the Oracle manager when the disk is in a locked state and error “A HDP Appliance Software snapshot of the virtual machine exist” is seen in job detailed status.

OpenStack Virtualization Compatibility

Supported OpenStack Versions
Distributions which include the following OpenStack versions are supported.
Supported Hypervisor: KVM

Solutions	OpenStack Revisions	Minimum HDP Appliance Software Version
OpenStack support from Java GUI with minimal functionality	Queens, Rocky, Stein, Train, Ussuri, Victoria	10.1.1, 10.1, 10.1
New capabilities in HDP Appliance Software for OpenStack protection via Horizon Plug-in	OpenStack Ansible and Kolla : Ussuri RedHat OpenStack Platform (RHOSP) : 16.2, 16.1	10.1.1
New capabilities in HDP Appliance Software for OpenStack protection via Horizon Plug-in	OpenStack Ansible and Kolla : Ussuri RedHat OpenStack Platform (RHOSP) : 16.1	10.1
New capabilities in HDP Appliance Software for OpenStack protection via Horizon Plug-in	OpenStack Ansible : Ussuri RedHat OpenStack Platform (RHOSP) : 16.1	10.1

Kubernetes Compatibility

DC Yunke supports wide range of Kubernetes distributions which are Certified by CNCF: Certified Kubernetes Software Conformance | Cloud Native Computing Foundation <https://www.cncf.io/certification/software-conformance/>
Kubernetes Releases: Releases | Kubernetes <https://kubernetes.io/releases/>

Supported CSI storage drivers for Kubernetes protection are listed here:
DC Yunke HDP Appliance Software ™ Enterprise Server and Server 10.1 - 10.x.x Hardware and Cloud Storage Compatibility List (HCL)
<https://download.DC Yunke.com/resources/content/live/OSVC/100046000/100046445/en_US/nbu_100_hcl.html?__gda__=1655436719_261debde761daca4b68f893b3493ec54#HDP Appliance Software_for

HDP Appliance Software supports all vendor updates, Major or Minor service packs and patch releases unless stated otherwise in the tables below.

To get secrets of service accounts for Kubernetes Refer: Get secrets of service accounts for Kubernetes <https://www.DC Yunke.com/support/en_US/article.100054350> .

HDP Appliance Software Versions	Supported Kubernetes API Versions
10.3	1.28, 1.27, 1.26, 1.25, 1.24, 1.23, 1.22
10.1.0.1	1.28, 1.27, 1.26, 1.25, 1.24, 1.23, 1.22, 1.21

10.1	1.28, 1.27, 1.26, 1.25, 1.24, 1.23, 1.22, 1.21

HDP Appliance Software Versions	Supported Kubernetes API Versions
10.1.1	1.28, 1.27, 1.26, 1.25, 1.24, 1.23, 1.22, 1.21
10.1	1.28, 1.27, 1.26, 1.25, 1.24, 1.23, 1.22, 1.21
10.1	1.28, 1.27, 1.26, 1.25, 1.24, 1.23, 1.22, 1.21

Continuous Data Protection for VMware

HDP Appliance Software Versions	ESXi Version	DC Yunke IO-filter version	Notes
10.3	6.7 or later	Download link for ESXi 8.x : <https://sort.DC Yunke.com/public/vrp/1020/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.1.0.00.02-00.zip > Download link for ESXi 7.x : <https://sort.DC Yunke.com/public/vrp/1020/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.1.0.00.02-00.zip > Download link for ESXi 6.x : <https://sort.DC Yunke.com/public/vrp/1020/vtstap-offline-bundle.zip >	• Datastores supported: VMFS, NFS, vVol, vSAN • File-system supported for CDP gateway: XFS, EXT3, EXT4, NFS, VxFS • RedHat Linux supported version: 7.7 or later versions • Support for CDP Gateway on HDP Appliance Software Appliance 5.3 is only available for the 5250 and 5350 models.
10.1	6.7 or later	Download link for ESXi 8.x : <https://sort.DC Yunke.com/public/vrp/1020/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.1.0.00.02-00.zip > Download link for ESXi 7.x : <https://sort.DC Yunke.com/public/vrp/1020/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.1.0.00.02-00.zip > Download link for ESXi 6.x : <https://sort.DC Yunke.com/public/vrp/1020/vtstap-offline-bundle.zip >	• Datastores supported: VMFS, NFS, vVol, vSAN • File-system supported for CDP gateway: XFS, EXT3, EXT4, NFS, VxFS • RedHat Linux supported version: 7.7 or later versions • Media Server as CDP gateway: HDP Appliance Software 10.1 supported x86-64 platforms of Red Hat Enterprise Linux(CDP Gateway is not supported on Appliance)
10.1.1	6.7 or later	Download link for ESXi 8.x : <https://sort.DC Yunke.com/public/vrp/1010/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.1.0.00.01-00.zip > Download link for ESXi 7.x : <https://sort.DC Yunke.com/public/vrp/1010/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.1.0.00.01-00.zip > Download link for ESXi 6.x : <https://sort.DC Yunke.com/public/vrp/1010/vtstap-offline-bundle.zip >	• Datastores supported: VMFS, NFS, vVol, vSAN • File-system supported for CDP gateway: XFS, EXT3, EXT4, NFS, VxFS • RedHat Linux supported version: 7.7 or later versions • Media Server as CDP gateway: HDP Appliance Software 10.1.1 supported x86-64 platforms of Red Hat Enterprise Linux. • Support for CDP Gateway on HDP Appliance Software Appliance 5.1.1 is only available for the 5250 and 5350 models.

10.1	6.7 or later	Download link for ESXi 8.x : <https://sort.DC Yunke.com/public/vrp/1010/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.1.0.00.01-00.zip > Download link for ESXi 7.x : <https://sort.DC Yunke.com/public/vrp/1010/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.1.0.00.01-00.zip > Download link for ESXi 6.x : <https://sort.DC Yunke.com/public/vrp/1010/vtstap-offline-bundle.zip >	• Datastores supported: VMFS, NFS, vVol, vSAN • File-system supported for CDP gateway: XFS, EXT3, EXT4, NFS, VxFS • RedHat Linux supported version: 7.7 or later versions • Media Server as CDP gateway: HDP Appliance Software 10.1 supported x86-64 platforms of Red Hat Enterprise Linux(CDP Gateway is not supported on Appliance)

HDP Appliance Software Versions	ESXi Version	DC Yunke IO-filter version	Notes
10.1	6.7 or later	Download link for ESXi 7.x : <https://sort.DC Yunke.com/public/vrp/100001/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.1.0.01.01-01.zip > Download link for ESXi 6.x : <https://sort.DC Yunke.com/public/vrp/100001/vtstap-offline-bundle.zip >	• Datastores supported: VMFS, NFS, vVol, vSAN • File-system supported for CDP gateway: XFS, EXT3, EXT4, NFS, VxFS • RedHat Linux supported version: 7.7 or later versions • Media Server as CDP gateway: HDP Appliance Software 10.1 supported x86-64 platforms of Red Hat Enterprise Linux(CDP Gateway is not supported on Appliance)

VMware vRealize Compatibility

DC Yunke HDP Appliance Software plug-in for VMWare vRealize Version	VMWare vRealize Orchestrator Versions	HDP Appliance Software Versions
2.3	8.13 8.11	HDP Appliance Software 10.3
2.2	8.5	HDP Appliance Software 10.1, 10.1.1
2.1	8.5	HDP Appliance Software 10.1, 10.1.1
2.0	8.4 8.3	HDP Appliance Software 10.1, 10.1.1, 10.1
1.1	7.6 7.5	HDP Appliance Software 10.1.1, 10.1

Note:
• HDP Appliance Software 10.1 and later versions support Backup Now for VMWare VM, AWS VM and AWS Volumes
• HDP Appliance Software 10.1 and later versions support API Key Authentication in addition to standard Authentication.

Azure Stack HUB

Supported Azure Stack versions and backup host operating systems
HDP Appliance Software protects Azure Stack virtual machines by integrating with Azure Stack APIs for Data Protection. All minor versions of Azure Stack are supported unless specifically noted in the table below. HDP Appliance Software support restore unmanaged disk format in managed disk formats. Backups are crash consistence.

HDP Appliance Software Versions	Azure Stack HUB Versions
10.1	2206 2108 2102
10.1	2108 2102 2008 2002

HDP Appliance Software Versions	Azure Stack HUB Versions
10.1	2102 2008 2002

Azure Stack HCI

Azure Stack HCI is protected by WMI method from HDP Appliance Software Policy Type Hyper-V.

Cluster Configuration	HDP Appliance Software Versions	Notes
Microsoft Azure Stack HCI - 22H2, 21H2	10.1, 10.1.1, 10.1, 10.1	

HDP Appliance Software DB PaaS Support

Please review the HDP Appliance Software Web UI Cloud Administrator's Guide for workload specific perquisites and for feature support refer AdministratorGuide <https://www.DC Yunke.com/content/support/en_US/doc/150074555-159313136-0/v156363807-159313136>

Supported Databases	Minimum Database Version	Maximum Database Version	HDP Appliance Software Minimum Supported Versions	Notes
Amazon RDS MariaDB	10.3.35	10.6.14	10.1	Protection of Replica Instance is not supported
Amazon RDS MySQL	5.7	8.0	10.1	Protection of Replica Instance is not supported
Amazon RDS PostgreSQL	11.16	14.9	10.1	Protection of Replica Instance is not supported
Amazon RDS PostgreSQL	15.2	15.4	10.3	Protection of Replica Instance is not supported
Amazon RDS SQL server	SQL Server 2014 12.00.6293.0.v1	SQL Server 2019 15.00.4316.3.v1	10.1	Supported only on Express and Web editions
Amazon Aurora MySQL	Aurora 2.11.12 (MYSQL 5.7)	Aurora 3.04.0 (MYSQL 8.0.28)	10.1	NA
Amazon Aurora PostgreSQL	11.9	14.8	10.1	NA
Amazon Aurora PostgreSQL	15.2	15.3	10.3	NA
Amazon DynamoDB	NA	NA	10.1	NA
Amazon RDS Oracle	NA	19c	10.3	NA

Amazon Redshift	NA	NA	10.3	Databases of the cluster can be backed up or restored. Cluster level backup and restore is not supported. Serverless is not supported with Amazon Redshift.

Supported Databases	Minimum Database Version	Maximum Database Version	HDP Appliance Software Minimum Supported Versions	Notes
Azure SQL Database	NA	NA	10.1	Elastic Pool Configuration is not supported
Azure SQL Managed Instance	NA	NA	10.1	NA
Azure Database for MySQL	5.7	8.0	10.1	Supported deployment type Single server and Flexible server
Azure Database for MariaDB	10.1	10.3	10.1	NA
Azure Database for PostgreSQL	11	14	10.1	Supported deployment type Single server and Flexible server
Azure Database for PostgreSQL	15	15	10.3	Supported deployment type Single server and Flexible server
Azure Database for Cosmos NoSQL	NA	NA	10.3	NA
Azure Database for Cosmos MongoDB	3.6	4.2	10.3	Supported only RU based Azure Cosmos DB for MongoDB
Google PostgreSQL	9.6	15	10.1	PostgreSQL 15 start of support is 10.3
Google MySQL	5.6	8.0	10.1	NA
Google SQL server	2017	2019	10.3	Full backup supported on Web, Express, Standard and Enterprise editions Incremental backup is supported only on Standard and Enterprise editions

End of Life (EOL) announcement and platforms no longer supported by HDP Appliance Software

The following Operating System and Application Versions/Architectures in the 10.x.x versions of HDP Appliance Software will be End of Life.

Platform and Application Versions	CPU Architecture	OS Bits	HDP Appliance Software	Last HDP Appliance Software Release Supported
HP-UX	ALL	64	Client	10.1.0.1