DELLEMC

E-LAB PROVEN

NetWorker 19.4 Server, Storage Node, Clients, Console, Features and Reports Simple Support Matrix

January 4, 2021

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Header Notes:

This table contains details for EMC NetWorker Server

NetWorker Server

No.	NetWorker Product	Operating System	File System	Cluster Software	Notes	OS by Vendor
1	Dell EMC NetWorker Server: 19.4	CentOS CentOS [x86_64]: 6.0, 6.1, 6.10, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.x, 8.0, 8.1, 8.2	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		CentOS
2	Dell EMC NetWorker Server: 19.4	Oracle Linux OL 6.x [x86_64] UEK: UEK R4 U2 [4.1.12-61], Oracle Linux OL 7.x [x86_64] UEK: UEK R4 U4 [4.1.12-94], UEK R4 U6 [4.1.12-112], UEK R4 U7 [4.1.12-124], UEK R5 U2 [4.14.35-1902], UEK R5 [4.14.35.1818], Oracle Linux OL 8.x [x86_64] UEK: UEK R6 [5.4.17-2011][54142]	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		OL UEK (Oracle)
3	Dell EMC NetWorker Server: 19.4	Red Hat RHEL [x86_64]: 8.1[54302]	All POSIX compliant File Systems are supported.	Red Hat High Availability Add-on: 8.0	RHEL 8.1 High Availability Cluster with Pacemaker	RHEL
4	Dell EMC NetWorker Server: 19.4	Red Hat RHEL [x86_64]: 6.10, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3[12918], 7.4[12918], 7.5[50744], 7.6[12918], 7.7	All POSIX compliant File Systems are supported.	Symantec Cluster Server (VCS): 6.2.1[9550]		RHEL
5	Dell EMC NetWorker Server: 19.4	Red Hat RHEL [x86_64]: 8.0, 8.2, 8.3	All POSIX compliant File Systems are supported.	Red Hat High Availability Add-on: 8.0		RHEL
6	Dell EMC NetWorker Server: 19.4	Red Hat RHEL [x86_64]: 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3[12918], 7.4[12918]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.2		RHEL
7	Dell EMC NetWorker Server: 19.4	Red Hat RHEL [x86_64]: 6.7, 6.8, 6.9, 7.3[12918], 7.4[12918], 7.5[50744], 7.6[12918], 7.7	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.4		RHEL
8	Dell EMC NetWorker Server: 19.4	Red Hat RHEL [x86_64]: 6.10, 7.7, 7.8, 7.9, 8.0, 8.2, 8.3	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		RHEL
9	Dell EMC NetWorker Server: 19.4	Red Hat RHEL [x86_64]: 7.0, 7.1, 7.2, 7.3[12918], 7.4[12918], 7.5[50744], 7.6[12918], 7.7, 7.8, 7.9	All POSIX compliant File Systems are supported.	Red Hat High Availability Add-on: 7.0		RHEL
10	Dell EMC NetWorker Server: 19.4	Red Hat RHEL [x86_64]: 6.3, 6.4, 6.5, 6.6, 7.0	All POSIX compliant File Systems are supported.	Symantec Cluster Server (VCS): 6.2[9550],[9902]		RHEL

11	Dell EMC NetWorker Server: 19.4	Red Hat RHEL [x86_64]: 6.7, 6.8, 6.9, 7.1, 7.2, 7.3[12918], 7.4[12918], 7.5[50744]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.3		RHEL
12	Dell EMC NetWorker Server: 19.4	Red Hat RHEL [x86_64]: 7.0, 7.1, 7.2, 7.3[12918]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.1[9550]		RHEL
13	Dell EMC NetWorker Server: 19.4	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059], 12 SP3[54060], 12 SP4, 15[50743], 15 SP1, 15 SP2	All POSIX compliant File Systems are supported.	SUSE High Availability Extension:		SLES
14	Dell EMC NetWorker Server: 19.4	SUSE SLES [x86_64]: 11 SP4	All POSIX compliant File Systems are supported.	Symantec Cluster Server (VCS): 6.2.1[9550], Veritas Veritas Cluster Server (VCS): 7.1[9550], 7.2		SLES
15	Dell EMC NetWorker Server: 19.4	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059], 12 SP3[54060]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.4		SLES
16	Dell EMC NetWorker Server: 19.4	SUSE SLES [x86_64]: 12 SP4, 15 SP2	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		SLES
17	Dell EMC NetWorker Server: 19.4	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.3		SLES
18	Dell EMC NetWorker Server: 19.4	SUSE SLES [x86_64]: 12 SP5	All POSIX compliant File Systems are supported.	SUSE High Availability Extension:	High Availability Extension.	SLES
19	Dell EMC NetWorker Server: 19.4	Canonical Ubuntu: 18.04LTS	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		Ubuntu
20	Dell EMC NetWorker Server: 19.4	Microsoft Windows Server 2012: [12909],[12916,8508], Microsoft Windows Server 2012 R2: [12909],[12914,12917,8508], Microsoft Windows Server 2016: [12914]	ReFS, FAT, NTFS	Veritas Veritas Cluster Server (VCS): 7.2, 7.3, 7.4		Windows Server
21	Dell EMC NetWorker Server: 19.4	Microsoft Windows Server 2012: [12909],[12916,8508], Microsoft Windows Server 2012 R2: [12909],[12914,12917,8508]	ReFS, FAT, NTFS	Veritas Veritas Cluster Server (VCS): 7.1[9550]		Windows Server
22	Dell EMC NetWorker Server: 19.4	Microsoft Windows Server 2019: , Microsoft Windows Storage Server 2012: [12909],[12915], Microsoft Windows Storage Server 2012 R2: [12909],[12915]	ReFS, FAT, NTFS	Generic Vendor Cluster: None Supported		Windows Server
23	Dell EMC NetWorker Server: 19.4	Microsoft Windows Storage Server 2016:	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported, Veritas Veritas Cluster Server (VCS): 7.3		Windows Server
24	Dell EMC NetWorker Server: 19.4	Microsoft Windows Server 2012: [12909],[12916,8508], Microsoft Windows Server 2012 R2: [12909],[12914,12917,8508], Microsoft Windows Server 2016: [12914], Microsoft Windows Server 2019:	ReFS, FAT, NTFS	Microsoft Failover Clustering:		Windows Server

Footnotes:

8508 : Datacenter and Standard editions supported.

9550 : Support Red Hat Enterprise Linux 6 Update 3 (2.6.32-279.el6),Update 4 (2.6.32-358.el6),Update 5 (2.6.32-431.el6),Update 6 (2.6.32-504.el6). Red Hat Enterprise Linux 7(3.10.0-123.el7).

9902 : EMC VMAX SRDF supported on RHEL. For more details refer to 'Symantec Cluster Server Agent for EMC SRDF configuration guide.

12909 : Essentials and Foundation Editions supported.

12914 : Microsoft Failover Cluster is supported.

12915 : Microsoft Failover Cluster is not Supported.

12916 : Microsoft Failover Cluster is supported only on Datacenter and Standard editions.

12917 : Veritas Cluster Server 7.1,7.2,7.3 are supported.

12918 : High Availability Cluster with Pacemaker is supported.

50743 : High Availability Cluster is supported.

50744 : Infoscale 7.4 is supported.

54059 : LTSS ends 31 Mar 2021

54060 : LTSS ends 30 June 2022

54142 : Supported Kernels: 5.4.17-2011.0.7.el8uek, 5.4.17-2011.1.2.el8uek, 5.4.17-2011.2.2.el8uek, 5.4.17-2011.3.2.1.el8uek, 5.4.17-2011.4.4.el8uek, 5.4.17-2011.4.6.el8uek, 5.4.17-2011.5.3.el8uek, 5.4.17-2011.6.2.el8uek, 5.4.17-2011.7.4.el8uek. Confirm kernel support with server vendor.

54302 : Errata kernel (kernel-4.18.0-147.3.1.el8_1.x86_64.rpm) required for Nested Virtualization

Header Notes:

This table contains details for EMC NetWorker Storage Node

Note: NetWorker for OpenVMS Storage Node compatibility captured in this table.

NetWorker Storage Node

No.	NetWorker Product	Operating System	File System	Cluster Software	Notes	OS by Vendor
1	Dell EMC NetWorker Storage Node: 19.4	IBM AIX: 7.1, 7.2	All POSIX compliant File Systems are supported., UFS, JFS, JFS 2, 2.3, 3.1, 3.3, 3.5,4.1,4.2. VxFS	Generic Vendor Cluster: None Supported		AIX
2	Dell EMC NetWorker Storage Node: 19.4	CentOS CentOS [x86_64]: 6.0, 6.1, 6.10, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 8.0, 8.2	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		CentOS
3	Dell EMC NetWorker Storage Node: 19.4	Generic Vendor Debian GNU Linux: 9	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported	x64 Support only	Debian
4	Dell EMC NetWorker Storage Node: 19.4	HPE HP-UX: 11i v3 (HP-UX 11.31)	All POSIX compliant File Systems are supported., UFS, JFS, VxFS	Generic Vendor Cluster: None Supported	Itanium & PA-RISC are supported	HP-UX
5	Dell EMC NetWorker Storage Node: 19.4	Oracle Linux OL 6.x [x86_64] UEK: UEK R4 U2 [4.1.12-61], Oracle Linux OL 7.x [x86_64] UEK: UEK R4 U4 [4.1.12-94], UEK R4 U6 [4.1.12-112], UEK R4 U7 [4.1.12-124], UEK R5 [4.14.35.1818], Oracle Linux OL 8.x [x86_64] UEK: UEK R6 [5.4.17-2011][54142]	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		OL UEK (Oracle)
6	Dell EMC NetWorker Storage Node for OpenVMS: 18.1	HPE Open VMS: V7.3-2[13216] [,13254,13256], V8.2[13217] [,13254,13256], V8.2-1[13217] [,13254,13256], V8.3[13217] [,13254,13256], V8.3-1H1[13217] [,13254,13256], V8.4[13217] [,13254,13256]	ODS-2, ODS-5	HPE VMS Cluster License only:	NetWorker Server 19.3, 19.2.x, 19.1.x supports NetWorker for OpenVMS 18.1 Storage Node with a restriction in the ability to create an Advanced file type device. Existing Advanced File type devices will continue to work normally. NetWorker Server 18.x, 9.2.x, 9.1.x supports NetWorker for OpenVMS 18.1 Storage Node.	Open VMS
7	Dell EMC NetWorker Storage Node for OpenVMS: 18.1	VMS Software VSI OpenVMS: 8.4-2L1[13217] [,13254,13256]	ODS-2, ODS-5	VMS Software VMS Cluster License only:	NetWorker Server 19.3, 19.2.x, 19.1.x supports NetWorker for OpenVMS 18.1 Storage Node with a restriction in the ability to create an Advanced file type device. Existing Advanced File type devices will continue to work normally. NetWorker Server 18.x, 9.2.x, 9.1.x supports NetWorker for OpenVMS 18.1 Storage Node.	Open VMS
8						RHEL

	Dell EMC NetWorker Storage Node: 19.4	Red Hat RHEL [x86_64]: 6.0, 6.1, 6.10, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1[54302], 8.2, 8.3	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		
9	Dell EMC NetWorker Storage Node: 19.4	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059], 12 SP3[54060], 12 SP4, 15, 15 SP1, 15 SP2	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		SLES
10	Dell EMC NetWorker Storage Node: 19.4	Oracle Solaris: 10 SPARC[12920],[12921], 11 SPARC[12921], 11.1 SPARC[12921], 11.2 SPARC[12921], 11.3 SPARC[12921], 11.4 SPARC[12921]	All POSIX compliant File Systems are supported., UFS, VxFS, QFS, ZFS	Generic Vendor Cluster: None Supported		Solaris
11	Dell EMC NetWorker Storage Node: 19.4	Canonical Ubuntu: 16.04LTS, 18.04LTS	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		Ubuntu
12	Dell EMC NetWorker Storage Node: 19.4	Microsoft Windows Server 2012: , Microsoft Windows Server 2012 R2: , Microsoft Windows Server 2016: , Microsoft Windows Server 2019:	FAT,NTFS,ReFS	Generic Vendor Cluster: None Supported		Windows Server

Footnotes:

12920 : Solaris 10 Update 11 and Onward is supported.
12921 : AMD64 and INTEL_EM64T platforms are supported.
13216 : AXP
13217 : Itanium & AXP
13254 : OpenVMS version must be supported by HP or VSI.
13256 : This release requires the SSL (Secure Socket layer) software. Please see the EMC NetWorker OpenVMS Version Installation Guide for specific platform information
54059 : LTSS ends 31 Mar 2021
54060 : LTSS ends 30 June 2022
54142 : Supported Kernels: 5.4.17-2011.0.7.el8uek, 5.4.17-2011.1.2.el8uek, 5.4.17-2011.2.2.el8uek, 5.4.17-2011.3.2.1.el8uek, 5.4.17-2011.4.4.el8uek, 5.4.17-2011.4.6.el8uek, 5.4.17-2011.5.3.el8uek, 5.4.17-2011.6.2.el8uek, 5.4.17-2011.7.4.el8uek. Confirm kernel support with server vendor.
54302 : Errata kernel (kernel-4.18.0-147.3.1.el8_1.x86_64.rpm) required for Nested Virtualization

Header Notes:

This table contains details for EMC NetWorker Client

Note:
NetWorker for OpenVMS Client compatibility captured in this table.

Applies only to NetWorker 19.3 and higher. Backup of GPFS file system is only supported on Linux operating systems.

NetWorker Client

No.	NetWorker Product	Operating System	File System	Cluster Software	Notes	OS by Vendor
1	Dell EMC NetWorker Client: 19.4	IBM AIX: 7.1	All POSIX compliant File Systems are supported., UFS, JFS, JFS 2, 2.3, 3.1, 3.3, 3.5,4.1,4.2. VxFS	Veritas Cluster Server (VCS): 6.0, Veritas Veritas Cluster Server (VCS): 7.1[9550], 7.2, 7.3, 7.4	IBM PowerHA 7.1,7.2 are supported.	AIX
2	Dell EMC NetWorker Client: 19.4	IBM AIX: 7.2	All POSIX compliant File Systems are supported., UFS, JFS, JFS 2, 2.3, 3.1, 3.3, 3.5,4.1,4.2. VxFS	Veritas Veritas Cluster Server (VCS): 7.1[9550], 7.2, 7.3, 7.4	IBM PowerHA 6.1,7.1,7.2 are supported.	AIX
3	Dell EMC NetWorker Client: 19.4	CentOS CentOS [32-Bit]: 6.1, 6.10, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, CentOS CentOS [x86_64]: 6.0[12942], 6.1[12942], 6.10, 6.2[12942], 6.3[12942], 6.4[12942], 6.5[12942], 6.6, 6.7, 6.8, 6.9, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 8.0, 8.1, 8.2	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		CentOS
4	Dell EMC NetWorker Client: 19.4	Generic Vendor Debian GNU Linux: 8[12942], 9[12942]	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported	x64 & x86 supported.	Debian
5	Dell EMC NetWorker Client: 19.4	Generic Vendor Fedora: 20, 21, 23, 24, 25, 26, 27	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported	x64 & x86 supported.	Fedora
6	Dell EMC NetWorker Client: 19.4	HPE HP-UX: 11i v3 (HP-UX 11.31)[12939],[12940,12941]	All POSIX compliant File Systems are supported., UFS, JFS, VxFS	Veritas Cluster Server (VCS): 6.0	Itanium Supported, MC/ServiceGuard: MC/SG 11.15 Version 2, 11.16, 11.17, 11.18, 11.19, Veritas Cluster Server 6.0, 5.1	HP-UX
7	Dell EMC NetWorker Client: 19.4	Apple MAC OSX: 10.10.x, 10.11.x, 10.12.x, 10.13.x	HFS+, HFS, UFS	Generic Vendor Cluster: None Supported		MAC
8	Dell EMC NetWorker Client: 19.4	Oracle Linux OL 7.x [x86_64] UEK: UEK R4 U4 [4.1.12-94]	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported	Veritas Cluster Server 6.0, 6.1 are supported	OL UEK (Oracle)
9	Dell EMC NetWorker Client: 19.4	Oracle Linux OL 6.x [x86_64] UEK: UEK R4 U2 [4.1.12-61]	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported	Veritas Cluster Server 6.0, 6.1 are supported	OL UEK (Oracle)
10						

#	Client	OS/Version	File Systems	Cluster	Notes	OS Family
	Dell EMC NetWorker Client: 19.4	Oracle Linux OL 7.x [x86_64] UEK: UEK R4 U6 [4.1.12-112], UEK R4 U7 [4.1.12-124], UEK R5 [4.14.35.1818], Oracle Linux OL 8.x [x86_64] UEK: UEK R6 [5.4.17-2011][54142]	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		OL UEK (Oracle)
11	Dell EMC NetWorker Client: 19.4	Generic Vendor Open Enterprise Server: 2018[12942]	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported	x64 & x86 supported.	Open Enterprise Server
12	Dell EMC NetWorker Client: 19.4	Generic Vendor Open Enterprise Server: 2015 SP1[12942]	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported	x64 & x86 supported	Open Enterprise Server
13	Dell EMC NetWorker Client for OpenVMS: 18.1	HPE Open VMS: V7.3-2[13216] [,13254,13256], V8.2[13217] [,13254,13256], V8.2-1[13217] [,13254,13256], V8.3[13217] [,13254,13256], V8.3-1H1[13217] [,13254,13256], V8.4[13217] [,13254,13256]	ODS-2, ODS-5	HPE VMS Cluster License only:	NetWorker Server 19.3, 19.2.x, 19.1.x, 18.x, 9.2.x, 9.1.x supports NetWorker for OpenVMS 18.1 Client.	Open VMS
14	Dell EMC NetWorker Client for OpenVMS: 18.1	VMS Software VSI OpenVMS: 8.4-2L1[13217] [,13254,13256]	ODS-2, ODS-5	VMS Software VMS Cluster License only:	NetWorker Server 19.3, 19.2.x, 19.1.x, 18.x, 9.2.x, 9.1.x supports NetWorker for OpenVMS 18.1 Client.	Open VMS
15	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 8.1[54302]	All POSIX compliant File Systems are supported.	Red Hat High Availability Add-on: 8.0	RHEL 8.1 High Availability Cluster with Pacemaker.	RHEL
16	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 7.7	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported, Red Hat High Availability Add-on: 7.0, Veritas Veritas Cluster Server (VCS): 7.4	RHEL 7.7 High Availability Cluster with Pacemaker	RHEL
17	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 8.0	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported, Red Hat High Availability Add-on: 8.0	RHEL 8.0 High Availability Cluster with Pacemaker	RHEL
18	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 7.5	All POSIX compliant File Systems are supported.	Red Hat High Availability Add-on: 7.0, Veritas Veritas Cluster Server (VCS): 7.3, 7.4	IBM_Power & IBM_Power_LE are supported., Veritas Cluster Server 6.2,6.2.1, 7.1,7.2,7.3. RHEL7.3 High Availability Cluster with Pacemaker, Infoscale 7.4	RHEL
19	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [32-Bit]: 6.0[12935] , 6.1[12935] , 6.2[12935] , 6.3[12935] , 6.4[12935] , 6.5[12935] , 6.6, 6.7, 6.8, 6.9	All POSIX compliant File Systems are supported.	Veritas Cluster Server (VCS): 5.1, 6.0		RHEL
20	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 6.0[12942] , 6.1[12942] , 6.2[12942] , 6.3[12942] , 6.4[12942] , 6.5[12942] , 6.6[12942] , 6.7[12942]	All POSIX compliant File Systems are supported.	Veritas Cluster Server (VCS): 5.1, 6.0	IBM_Power & IBM_System_Z are supported, Veritas Cluster Server 5.1, 6.0, 6.1;RHEL Cluster	RHEL

#	Product	OS	File Systems	Cluster	Additional	OS Family
		, 6.8[12942], 6.9[12942]				
21	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 7.0[12942], 7.1[12942], 7.2[12942], 7.3[12942], 7.4[12942]	All POSIX compliant File Systems are supported.	Red Hat High Availability Add-on: 7.0, Veritas Veritas Cluster Server (VCS): 7.2	IBM_Power & IBM_Power_LE are supported., Veritas Cluster Server 6.2,6.2.1, 7.1,7.2,7.3. RHEL7.3 High Availability Cluster with Pacemaker	RHEL
22	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 7.1[12942], 7.2[12942], 7.3[12942], 7.4[12942]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.3	IBM_Power & IBM_Power_LE are supported., Veritas Cluster Server 6.2,6.2.1, 7.1,7.2,7.3. RHEL7.3 High Availability Cluster with Pacemaker	RHEL
23	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 6.6[12942], 6.7[12942], 6.8[12942], 6.9[12942]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.2	IBM_Power & IBM_System_Z are supported, Veritas Cluster Server 5.1, 6.0, 6.1;RHEL Cluster	RHEL
24	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 7.0[12942], 7.1[12942], 7.2[12942], 7.3[12942]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.1[9550]	IBM_Power & IBM_Power_LE are supported., Veritas Cluster Server 6.2,6.2.1, 7.1,7.2,7.3. RHEL7.3 High Availability Cluster with Pacemaker	RHEL
25	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [32-Bit]: 6.10, Red Hat RHEL [x86_64]: 6.10, 7.8, 7.9, 8.2, 8.3	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported		RHEL
26	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 6.7[12942], 6.8[12942], 6.9[12942]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.3, 7.4	IBM_Power & IBM_System_Z are supported, Veritas Cluster Server 5.1, 6.0, 6.1;RHEL Cluster	RHEL
27	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 7.6[12918], 7.8, 7.9	All POSIX compliant File Systems are supported.	Red Hat High Availability Add-on: 7.0		RHEL
28	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 7.3[12942], 7.4[12942]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.4	IBM_Power & IBM_Power_LE are supported., Veritas Cluster Server 6.2,6.2.1, 7.1,7.2,7.3. RHEL7.3 High Availability Cluster with Pacemaker	RHEL
29	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 8.2, 8.3	All POSIX compliant File Systems are supported.	Red Hat High Availability Add-on: 8.0		RHEL
30	Dell EMC NetWorker Client: 19.4	Red Hat RHEL [x86_64]: 7.6[12918]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.4		RHEL
31	Dell EMC NetWorker Client: 19.4	SUSE SLES [x86_64]: 12 SP5	All POSIX compliant File Systems are supported.	SUSE High Availability Extension:	High Availability Extension , IBM_Power, IBM_System_Z, IBM_Power_LE are supported	SLES
32	Dell EMC NetWorker Client: 19.4	SUSE SLES [x86_64]: 11 SP4[12942]	All POSIX compliant File Systems are supported.	SUSE High Availability Extension: , Veritas Veritas Cluster Server (VCS): 7.1[9550], 7.2, 7.3, 7.4	IBM_Power & IBM_System_Z are supported, high availability extension, VCS 6.2	SLES
33	Dell EMC NetWorker Client: 19.4	SUSE SLES [x86_64]: 15 SP2	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported, SUSE High Availability Extension:		SLES
34	Dell EMC NetWorker Client: 19.4	SUSE SLES [x86_64]: 15, 15 SP1	All POSIX compliant File Systems are supported.	SUSE High Availability Extension:	High Availability Extension is supported., IBM_Power, IBM_System_Z, IBM_Power_LE are supported.	SLES
35		SUSE SLES [x86_64]: 12 SP4				SLES

	Dell EMC NetWorker Client: 19.4		All POSIX compliant File Systems are supported.	SUSE High Availability Extension:	IBM_Power, IBM_System_Z, IBM_Power_LE are supported	
36	Dell EMC NetWorker Client: 19.4	SUSE SLES [x86_64]: 12 SP2[12942] [,54059], 12 SP3[12942] [,54060]	All POSIX compliant File Systems are supported.	SUSE High Availability Extension: , Veritas Veritas Cluster Server (VCS): 7.4	High Availability Extension, Veritas Cluster Server 7.1,7.2,7.3, IBM_Power, IBM_System_Z, IBM_Power_LE are supported	SLES
37	Dell EMC NetWorker Client: 19.4	SUSE SLES [x86_64]: 12 SP2[12942] [,54059]	All POSIX compliant File Systems are supported.	Veritas Veritas Cluster Server (VCS): 7.3	High Availability Extension, Veritas Cluster Server 7.1,7.2,7.3, IBM_Power, IBM_System_Z, IBM_Power_LE are supported	SLES
38	Dell EMC NetWorker Client: 19.4	Oracle Solaris: 10 SPARC[12921] [,12941]	All POSIX compliant File Systems are supported., UFS, VxFS, ZFS	Veritas Cluster Server (VCS): 5.1, 6.0, Veritas Veritas Cluster Server (VCS): 7.1[9550] , 7.2	Oracle Solaris Cluster 3.3, 3.2, 3.1, Veritas Cluster Server 5.1 are supported	Solaris
39	Dell EMC NetWorker Client: 19.4	Oracle Solaris: 11.2 SPARC[12921] [,12941], 11.3 SPARC[12921]	All POSIX compliant File Systems are supported., UFS, VxFS, QFS, ZFS	Veritas Veritas Cluster Server (VCS): 7.1[9550] , 7.2, 7.3, 7.4	Oracle Solaris Cluster 3.2, 3.3, 4.0, 4.2,4.3, Veritas Cluster Server 6.1, 6.0, 5.1 are supported	Solaris
40	Dell EMC NetWorker Client: 19.4	Oracle Solaris: 11 SPARC[12921] [,12941]	All POSIX compliant File Systems are supported., UFS, VxFS, ZFS	Veritas Cluster Server (VCS): 6.0	Oracle Solaris Cluster 3.2, 3.3, 4.0, Veritas Cluster Server 6.1, 6.0, 5.1	Solaris
41	Dell EMC NetWorker Client: 19.4	Oracle Solaris: 11.4 SPARC[12921]	All POSIX compliant File Systems are supported., UFS, VxFS, QFS, ZFS	Generic Vendor Cluster: None Supported, Oracle Solaris Cluster: 4.4[10456] [,6391,6862,8192] [,8635,8637]		Solaris
42	Dell EMC NetWorker Client: 19.4	Canonical Ubuntu: 16.04LTS[12942] , 18.04LTS	All POSIX compliant File Systems are supported.	Generic Vendor Cluster: None Supported	x64 & x86 supported.	Ubuntu
43	Dell EMC NetWorker Client: 19.4	Microsoft Windows 7 [32-bit]: SP1, Microsoft Windows 7 [64-bit]: SP1, Microsoft Windows 8.1: (32-bit), (64-bit)	FAT, NTFS	Generic Vendor Cluster: None Supported		Windows Client
44	Dell EMC NetWorker Client: 19.4	Microsoft Windows Server 2019:	ReFS, FAT, NTFS	Generic Vendor Cluster: None Supported		Windows Server
45	Dell EMC NetWorker Client: 19.4	Microsoft Windows Server 2012: [12909] [,12916], Microsoft Windows Server 2019:	ReFS, FAT, NTFS	Microsoft Failover Clustering:		Windows Server
46	Dell EMC NetWorker Client: 19.4	Microsoft Windows Storage Server 2012: , Microsoft Windows Storage Server 2012 R2:	ReFS,FAT,NTFS	Generic Vendor Cluster: None Supported		Windows Server
47	Dell EMC NetWorker Client: 19.4	Microsoft Windows Server 2016:	ReFS, FAT, NTFS	Microsoft Failover Clustering: , Veritas Veritas Cluster Server (VCS): 7.2, 7.3, 7.4	Windows Server 2016(Microsoft failover cluster) & Infoscale 7.4 are supported.	Windows Server
48	Dell EMC NetWorker Client: 19.4	Microsoft Windows Server 2012: [12909] [,12916]	ReFS, FAT, NTFS	Veritas Veritas Cluster Server (VCS): 7.1[9550] , 7.2, 7.3, 7.4		Windows Server
49	Dell EMC NetWorker Client: 19.4	Microsoft Windows Server 2012 R2: [12914] [,12933]	ReFS, FAT,NTFS	Microsoft Failover Clustering: , Veritas Veritas Cluster Server (VCS): 7.1[9550] , 7.2, 7.3, 7.4		Windows Server
50	Dell EMC NetWorker Client: 19.4	Microsoft Windows 10: (64-bit)	FAT, NTFS	Generic Vendor Cluster: None Supported		Windows Server

Footnotes:

6391 : For LDOM support, please refer to OVM for SPARC Letter of Support (LoS) available at E-Lab Navigator: https://elabnavigator.emc.com/vault/pdf/Oracle_OVM_for_SPARC_Support_Statement.pdf?key=1572361505710
6862 : x6440 processor support: Supported processors: 8376HE, 8380 and 8384. The 8354 processor is not supported.
8192 : Oracle Solaris Cluster is primarily supported with Sun/Oracle server hardware. A limited set of non-Sun servers are supported with Solaris Cluster. If your server and/or specific configuration is not listed on the following site, then it is not supported by Oracle. www.oracle.com/technetwork/server-storage/solaris-cluster/hp-proliant-matrix-168117.pdf
8635 : For all Oracle Solaris Cluster 4.x configurations where TimeFinder or SRDF are being used, please refer to the white papers "Integration of EMC SRDF and TimeFinder with Oracle Solaris Cluster" on Avatar and PowerLink.
8637 : SRDF is supported with geographic disaster recovery (DR) and campus configurations. For specific support parameters, please refer to the OSC4.x Compatibility Guide:
http://www.oracle.com/technetwork/server-storage/solaris-cluster/overview/solariscluster4-compatibilityguide-1429037.pdf
9550 : Support Red Hat Enterprise Linux 6 Update 3 (2.6.32-279.el6),Update 4 (2.6.32-358.el6),Update 5 (2.6.32-431.el6),Update 6 (2.6.32-504.el6). Red Hat Enterprise Linux 7(3.10.0-123.el7).
10456 :
12909 : Essentials and Foundation Editions supported.
12914 : Microsoft Failover Cluster is supported.
12916 : Microsoft Failover Cluster is supported only on Datacenter and Standard editions.
12918 : High Availability Cluster with Pacemaker is supported.
12921 : AMD64 and INTEL_EM64T platforms are supported.
12933 : Veritas Cluster Server 7.1,7.2,7.3 is supported only on Standard and Data Center Editions.
12935 : Veritas Cluster Server 5.1, 6.0, 6.1 are supported.
12939 : PA-RISC platform is also supported with following Clusters Veritas Cluster Server 5.1, 6.0, MC/ServiceGuard: MC/SG 11.15.
12940 : HPVM vPar are supported.
12941 : (Veritas Cluster Server 5.1) NetWorker deduplication module/functionality support in a clustered environment. Only the NetWorker Client (includes local storage nodes) configuration within a cluster environment will be supported.
12942 : BTRFS: For Sub-volume Backups use save -x option.BTRFS: No support for BBB/PP/NSM.
13216 : AXP
13217 : Itanium & AXP
13254 : OpenVMS version must be supported by HP or VSI.
13256 : This release requires the SSL (Secure Socket layer) software. Please see the EMC NetWorker OpenVMS Version Installation Guide for specific platform information
54059 : LTSS ends 31 Mar 2021
54060 : LTSS ends 30 June 2022
54142 : Supported Kernels: 5.4.17-2011.0.7.el8uek, 5.4.17-2011.1.2.el8uek, 5.4.17-2011.2.2.el8uek, 5.4.17-2011.3.2.1.el8uek, 5.4.17-2011.4.4.el8uek, 5.4.17-2011.4.6.el8uek, 5.4.17-2011.5.3.el8uek, 5.4.17-2011.6.2.el8uek, 5.4.17-2011.7.4.el8uek. Confirm kernel support with server vendor.
54302 : Errata kernel (kernel-4.18.0-147.3.1.el8_1.x86_64.rpm) required for Nested Virtualization

Header Notes:

This table contains details for NetWorker Management Console.

NetWorker Management Web UI (NWUI) has the same platform support as NetWorker Management Console(NMC) and NWUI support Microsoft Internet Explorer 11, Microsoft Edge and latest two versions of Google Chrome, Mozilla Firefox, Safari web browsers.

NetWorker Management Console

No.	NetWorker Product	NetWorker Component	Operating System	Web Browser	Notes	OS by Vendor
1	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	CentOS CentOS [x86_64]: 6.0, 6.1, 6.10, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.1, 7.2, 7.3, 7.4, 7.5	Mozilla Firefox: 30 or higher		CentOS
2	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	Red Hat RHEL [x86_64]: 6.0, 6.1, 6.10, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3[12918], 7.4[12918], 7.5[50744], 7.6[12918], 7.7, 7.8, 7.9, 8.0, 8.2, 8.3	Microsoft Internet Explorer: 11		RHEL
3	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	Red Hat RHEL [x86_64]: 6.0, 6.1, 6.10, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3[12918], 7.4[12918], 7.5[50744], 7.6[12918], 8.0	Mozilla Firefox: 30 or higher		RHEL
4	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	Red Hat RHEL [x86_64]: 6.0, 6.1, 6.2, 6.3, 6.4, 6.5	Microsoft Internet Explorer: 10		RHEL
5	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	Red Hat RHEL [x86_64]: 8.1[54302]	Microsoft Internet Explorer: 11	RHEL 8.1 High Availability Cluster with Pacemaker	RHEL
6	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059], 12 SP3[54060], 12 SP4, 15[50743], 15 SP1, 15 SP2	Microsoft Internet Explorer: 11		SLES
7	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	SUSE SLES [x86_64]: 12 SP5	Microsoft Internet Explorer: 11	High Availability Extension.	SLES
8	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059], 12 SP3[54060], 12 SP4, 15[50743], 15 SP1	Mozilla Firefox: 30 or higher		SLES
9	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	Canonical Ubuntu: 18.04LTS	Mozilla Firefox: 30 or higher		Ubuntu
10						Windows Server

	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	Microsoft Windows Server 2012: [12909],[12916,8508], Microsoft Windows Server 2012 R2: [12909],[12914,12917,8508], Microsoft Windows Server 2016: [12914], Microsoft Windows Server 2019: , Microsoft Windows Storage Server 2016:	Microsoft Internet Explorer: 11	
11	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	Microsoft Windows Server 2012: [12909],[12916,8508], Microsoft Windows Server 2012 R2: [12909],[12914,12917,8508], Microsoft Windows Server 2016: [12914]	Mozilla Firefox: 30 or higher	Windows Server
12	Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Management Console: 19.4[12911],[12912]	Microsoft Windows Server 2012: [12909],[12916,8508], Microsoft Windows Server 2012 R2: [12909],[12914,12917,8508]	Microsoft Internet Explorer: 10	Windows Server

Footnotes:

8508 : Datacenter and Standard editions supported.
12909 : Essentials and Foundation Editions supported.
12911 : JRE 1.8 & 9 is supported with 18.1
12912 : NetWorker Management Console supports 'all browsers, which support MIME type 'application/x-java-jnlp-file'
12914 : Microsoft Failover Cluster is supported.
12916 : Microsoft Failover Cluster is supported only on Datacenter and Standard editions.
12917 : Veritas Cluster Server 7.1,7.2,7.3 are supported.
12918 : High Availability Cluster with Pacemaker is supported.
50743 : High Availability Cluster is supported.
50744 : Infoscale 7.4 is supported.
54059 : LTSS ends 31 Mar 2021
54060 : LTSS ends 30 June 2022
54302 : Errata kernel (kernel-4.18.0-147.3.1.el8_1.x86_64.rpm) required for Nested Virtualization

Header Notes:

This table contains details for NetWorker License Server

License Server

No.	NetWorker Product	NetWorker Component	Operating System	Feature Options	OS by Vendor
1	Dell EMC NetWorker Server: 19.4	Dell EMC License Server: 12953	Red Hat RHEL [x86_64]: 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3[12918], 7.4[12918]	Install Package: dellemclicenseserver-3.6.0-0.x86_64_lsb.rpm	RHEL
2	Dell EMC NetWorker Server: 19.4	Dell EMC License Server: 12953	Red Hat RHEL [x86_64]: 7.7, 7.8, 8.0, 8.1[54302], 8.2	Install Package: dellemclicenseserver-3.6.2-0.x86_64_lsb.rpm	RHEL
3	Dell EMC NetWorker Server: 19.4	Dell EMC License Server: 12953	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059]	Install Package: dellemclicenseserver-3.6.0-0.x86_64_lsb.rpm	SLES
4	Dell EMC NetWorker Server: 19.4	Dell EMC License Server: 12953	SUSE SLES [x86_64]: 12 SP3[54060], 12 SP4, 12 SP5, 15[50743], 15 SP1	Install Package: dellemclicenseserver-3.6.2-0.x86_64_lsb.rpm	SLES
5	Dell EMC NetWorker Server: 19.4	Dell EMC License Server: 12953	Microsoft Windows Server 2012: [12909,12916,8508], Microsoft Windows Server 2012 R2: [12909,12914,12917,8508], Microsoft Windows Server 2016: [12914], Microsoft Windows Server 2019:	Install Package: DellEMC_LicenseServer_3.6.2_x64.msi DellEMC_LicenseServer_3.6.6_x64.msi	Windows Server

Footnotes:

8508 : Datacenter and Standard editions supported.
12909 : Essentials and Foundation Editions supported.
12914 : Microsoft Failover Cluster is supported.
12916 : Microsoft Failover Cluster is supported only on Datacenter and Standard editions.
12917 : Veritas Cluster Server 7.1,7.2,7.3 are supported.
12918 : High Availability Cluster with Pacemaker is supported.
12953 : License Server installation is not supported on NetWorker Virtual Edition.
50743 : High Availability Cluster is supported.
54059 : LTSS ends 31 Mar 2021
54060 : LTSS ends 30 June 2022
54302 : Errata kernel (kernel-4.18.0-147.3.1.el8_1.x86_64.rpm) required for Nested Virtualization

Header Notes:

This table contains details for NetWorker Virtual Edition Support Report.

NetWorker Virtual Edition with 8GB RAM with 4CPU (default) configuration can handle 10k jobs.
Data Domain device is recommended as a target.
Supports VMware environments where VMotion is enabled.

For performance 10Gb Ethernet network connection is recommended, though functionality works with 1Gb Ethernet network.
Based on the workload type - tune the NW Server parallelism as per NetWorker Performance Optimization Planning Guide.
For IO, Network and application level setting please refer to NetWorker Performance Optimization Planning Guide at https://support.emc.com/products/1095_NetWorker/Documentation/

NetWorker Virtual Edition Support Report

NetWorker Product	NetWorker Component	Supported Hosts
Dell EMC NetWorker Server: 19.4	Dell EMC NetWorker Virtual Edition: 19.4[54379]	AWS m4.xlarge, m4.2xlarge, m5.xlarge and m5.2xlarge SUSE Linux Enterprise 12 SP5 (64 -bit), Azure D4S_V3 Standard SUSE Linux Enterprise 12 SP5 (64 -bit), VMware ESXi 6.5,6.7.0,7.0 U1 SUSE Linux Enterprise 12 SP5 (64 -bit)

Footnotes:

54379 : Refer the 'NetWorker Virtual Edition Deployment Guide' to review the supported configuration (disk space, instance type) based on workloads.

Header Notes:

This table contains details for NetWorker Cloud Support Status

NetWorker Cloud Support Status

No.	NetWorker Product	NetWorker Component	Cloud Provider	Support Status
1	Dell EMC NetWorker Server: 19.4	Dell EMC Cloud Support Status: 19.4	Google Google Cloud Platform:	NetWorker Installer support is available on Google Cloud Platform.
2	Dell EMC NetWorker Server: 19.4	Dell EMC Cloud Support Status: 19.4	Microsoft Azure:	NetWorker Virtual Edition is available in Azure marketplace.
3	Dell EMC NetWorker Server: 19.4	Dell EMC Cloud Support Status: 19.4	Amazon AWS:	NetWorker Virtual Edition is available in AWS marketplace.
4	Dell EMC NetWorker Server: 19.4	Dell EMC Cloud Support Status: 19.4	Amazon AWS: Gov Cloud	NetWorker Virtual Edition is available in AWS Gov Cloud marketplace.
5	Dell EMC NetWorker Server: 19.4	Dell EMC Cloud Support Status: 19.4	Microsoft Azure: Government Cloud	NetWorker Virtual Edition is available in Azure Government Cloud marketplace.

Footnotes:

Header Notes:

This table contains details for NetWorker DDBoost Interoperability Report.

NetWorker DDBoost Interoperability Report

NetWorker Product	Data Domain Operating System	DDBoost Library	Notes
Dell EMC NetWorker Client: 19.4, Dell EMC NetWorker Server: 19.4, Dell EMC NetWorker Storage Node: 19.4	Dell EMC DD OS: 6.2.0, 6.2.x, 7.0.x, 7.1.x, 7.2.x, 7.3.x	7.3.0.5	DD Boost Over Fiber Channel is supported on Windows, RHEL, SUSE, CentOS, HP-UX, Solaris and Aix NetWorker Clients. DDHA (Data Domain High Availability) is supported.

Footnotes:

Header Notes:

This table contains details for NetWorker NVP (Proxy) Compatibility Matrix.

All vCenter updates prior to the posted version are also supported. For example, 6.5U2 would imply that 6.5 and 6.5U1 are also supported. All minor versions that end with alphabetic letters such as 6.5U1a and 6.5U1b are also supported unless indicated otherwise.

NetWorker NVP (Proxy) Compatibility Matrix

No.	NetWorker Product	NetWorker Component	Data Domain Operating System	Source Software	File Level Restore Guest OS	OS by Vendor
1	Dell EMC NetWorker Server: 19.4	Dell EMC vProxy: 4.3.0-x with 19.4 NW server[13236] ,51360,51579,54441 ,54442	Dell EMC DD OS: 6.2.x, 7.0.x, 7.1.x, 7.2.x, 7.3.x	VMware ESXi: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vCenter Server: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vRealize Automation: 7.5.0 , 7.6.0	Generic Vendor Debian (x86_64): 9.1	Debian
2	Dell EMC NetWorker Server: 19.4	Dell EMC vProxy: 4.3.0-x with 19.4 NW server[13236] ,51360,51579,54441 ,54442	Dell EMC DD OS: 6.2.x, 7.0.x, 7.1.x, 7.2.x, 7.3.x	VMware ESXi: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vCenter Server: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vRealize Automation: 7.5.0 , 7.6.0	Microsoft Windows 10: (64-bit), Microsoft Windows 8 [64-bit]:	Windows Client
3	Dell EMC NetWorker Server: 19.4	Dell EMC vProxy: 4.3.0-x with 19.4 NW server[13236] ,51360,51579,54441 ,54442	Dell EMC DD OS: 6.2.x, 7.0.x, 7.1.x, 7.2.x, 7.3.x	VMware ESXi: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vCenter Server: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vRealize Automation: 7.5.0 , 7.6.0	Microsoft Windows Server 2012: , Microsoft Windows Server 2012 R2: , Microsoft Windows Server 2016: , Microsoft Windows Server 2019: , Microsoft Windows Storage Server 2012 R2:	Windows Server
4	Dell EMC NetWorker Server: 19.4	Dell EMC vProxy: 4.3.0-x with 19.4 NW server[13236] ,51360,51579,54441 ,54442	Dell EMC DD OS: 6.2.x, 7.0.x, 7.1.x, 7.2.x, 7.3.x	VMware ESXi: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vCenter Server: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vRealize Automation: 7.5.0 , 7.6.0	CentOS CentOS [x86_64]: 7.2, 7.6, 7.7, 8.0, 8.1	CentOS
5	Dell EMC NetWorker Server: 19.4	Dell EMC vProxy: 4.3.0-x with 19.4 NW server[13236] ,51360,51579,54441 ,54442	Dell EMC DD OS: 6.2.x, 7.0.x, 7.1.x, 7.2.x, 7.3.x	VMware ESXi: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vCenter Server: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vRealize Automation: 7.5.0 , 7.6.0	Generic Vendor Ubuntu (x86_64): 16.04, 17.10, 18.04, 18.10, 19.10	Ubuntu
6	Dell EMC NetWorker Server: 19.4	Dell EMC vProxy: 4.3.0-x with 19.4 NW server[13236] ,51360,51579,54441 ,54442	Dell EMC DD OS: 6.2.x, 7.0.x, 7.1.x, 7.2.x, 7.3.x	VMware ESXi: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vCenter Server: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vRealize Automation: 7.5.0 , 7.6.0	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059] , 12 SP3[54060] , 12 SP4, 12 SP5, 15, 15 SP1	SLES
7	Dell EMC NetWorker Server: 19.4	Dell EMC vProxy: 4.3.0-x with 19.4 NW server[13236] ,51360,51579,54441 ,54442	Dell EMC DD OS: 6.2.x, 7.0.x, 7.1.x, 7.2.x, 7.3.x	VMware ESXi: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vCenter Server: 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7U1, 6.7U2, 6.7U3, 7.0, 7.0U1, VMware vRealize Automation: 7.5.0 , 7.6.0	Red Hat RHEL [x86_64]: 6.10, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1[54302]	RHEL

Footnotes:

13236 : vVol1.0 support for VMAX3, VNXe, UNITY storage systems. vVol2.0 support for VNXe, UNITY storage

51360 : Minor versions that end with alphabetic letters and express patches are not explicitly called out in the compatibility matrix. All minor versions that end with alphabetic letters and express patches are implicitly supported ONLY if the preceding major update release by VMware is also supported by NetWorker, unless indicated otherwise. If the preceding major update release by VMware is not yet supported by NetWorker, then the following minor versions that end with alphabetic letters or express patches are also not yet supported by NetWorker For example ESXi 6.7 EP 10 is also supported since the preceding major update release ESXi 6.7 U2 is already marked as supported for NetWorker For example vCenter Appliance 6.7 U1b is also supported since the preceding major update release vCenter Appliance 6.7 U1 is already marked as supported for NetWorker

51579 : Backup actions having Windows 2019 VMs should keep "Quiesce Application" setting disabled due to VMware limitations

54059 : LTSS ends 31 Mar 2021

54060 : LTSS ends 30 June 2022

54302 : Errata kernel (kernel-4.18.0-147.3.1.el8_1.x86_64.rpm) required for Nested Virtualization

54441 : vProxy support for clone to CloudBoost 2.1 and 2.2. The remote storage node used with CloudBoost must be of the supported version.

54442 : vProxy requires backup devices managed by a supported NetWorker Storage Node version

Header Notes:

This table contains details for Bare Metal Recovery

Bare Metal Recovery

No.	NetWorker Product	NetWorker Component	Operating System	Feature Options
1	Dell EMC NetWorker Server: 19.4	Dell EMC Bare Metal Recovery:	Microsoft Windows Storage Server 2012 R2: [12909] [,12915]	Bare Metal Recovery to Same/Similar Hardware, Physical to Virtual (P2V) Bare Metal Recovery: Dell, HP, IBM and Cisco Servers to vSphere 5.x, vSphere 5.5, Hyper-V 2008 R2, 2012 R2 virtual machines
2	Dell EMC NetWorker Server: 19.4	Dell EMC Bare Metal Recovery:	Microsoft Windows Server 2016: [12914] , Microsoft Windows Server 2019:	" Bare Metal Recovery to Same/Similar Hardware, Physical to Virtual (P2V) Bare Metal Recovery: Dell, HP, IBM and Cisco Servers to vSphere 5.x, vSphere 5.5, 6.5. Hyper-V 2008 R2, 2012 R2 ,2016 virtual machines"
3	Dell EMC NetWorker Server: 19.4	Dell EMC Bare Metal Recovery:	Microsoft Windows Server 2012: [12909] [,12916,8508], Microsoft Windows Server 2012 R2: [12909] [,12914,12917,8508]	Bare Metal Recovery to Same/Similar Hardware, Physical to Virtual (P2V) Bare Metal Recovery: Dell, HP, IBM and Cisco Servers to vSphere 5.x, vSphere 5.5, Hyper-V 2008 R2, 2012 R2 virtual machines

Footnotes:

8508 : Datacenter and Standard editions supported.

12909 : Essentials and Foundation Editions supported.

12914 : Microsoft Failover Cluster is supported.

12915 : Microsoft Failover Cluster is not Supported.

12916 : Microsoft Failover Cluster is supported only on Datacenter and Standard editions.

12917 : Veritas Cluster Server 7.1,7.2,7.3 are supported.

Header Notes:

This table contains details for Block Based Backup

Block Based Backup

No.	NetWorker Product	NetWorker Component	Operating System	Feature Options	OS by Vendor
1	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	CentOS CentOS [x86_64]: 6.0[12942] , 6.1[12942] , 6.2[12942] , 6.3[12942] , 6.4[12942] , 6.5[12942]	Filesystem: ext3 & ext4	CentOS
2	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	CentOS CentOS [x86_64]: 8.0	File System: ext3, ext4 and xfs., Kernel Version: 4.18.0-80	CentOS
3	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	CentOS CentOS [x86_64]: 7.7	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-1062	CentOS
4	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	CentOS CentOS [x86_64]: 7.6	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-957	CentOS
5	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	CentOS CentOS [x86_64]: 6.10	File System: ext3, ext4 and xfs., Kernel Version: 2.6.32-754	CentOS
6	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	CentOS CentOS [x86_64]: 7.4	File System: ext3 & ext4, Kernel Version: 3.10.0-693	CentOS
7	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	CentOS CentOS [x86_64]: 7.3	File System: ext3 & ext4, Kernel Version: 3.10.0-514	CentOS
8	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	CentOS CentOS [x86_64]: 7.2	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-327	CentOS
9	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	CentOS CentOS [x86_64]: 7.1	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-229	CentOS
10	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	CentOS CentOS [x86_64]: 7.5	File System: ext3 & ext4, Kernel Version: 3.10.0-862	CentOS
11	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.4[12942]	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-358	RHEL
12	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 7.6[12918]	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-957	RHEL
13	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 7.5	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-862	RHEL
14	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.10	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-754	RHEL
15	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.7[12942]	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-573	RHEL
16			Red Hat RHEL [x86_64]: 7.2[12942]		RHEL

	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4		File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-327	
17	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.8[12942]	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-642	RHEL
18	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 7.3[12942]	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-514	RHEL
19	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 7.1[12942]	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-229	RHEL
20	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 8.0	File System: ext3, ext4 and xfs., Kernel Version: 4.18.0-80	RHEL
21	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.9[12942]	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-696	RHEL
22	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 7.7	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-1062	RHEL
23	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 8.1[54302]	File System: ext3, ext4 and xfs., Kernel Version: 4.18.0-147	RHEL
24	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 7.4[12942]	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-693	RHEL
25	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 7.8	File System: ext3, ext4 and xfs., Kernel Version: 3.10.0-1127	RHEL
26	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.0[12942]	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-71	RHEL
27	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.1[12942]	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-131.0.15	RHEL
28	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.2[12942]	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-220	RHEL
29	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.3[12942]	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-279	RHEL
30	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.5[12942]	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-431	RHEL
31	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 7.0[12942]	Filesystem: ext3 & ext4, Kernel Version: 3.10.0-123	RHEL
32	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Red Hat RHEL [x86_64]: 6.6[12942]	Filesystem: ext3 & ext4, Kernel Version: 2.6.32-504	RHEL
33	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	SUSE SLES [x86_64]: 11 SP4[12942]	File System: ext3 & ext4, Kernel Version: 3.0.101-63	SLES
34	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	SUSE SLES [x86_64]: 12 SP5	Filesystem: ext3 & ext4, Kernel Version: 4.12.14-120	SLES
35	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	SUSE SLES [x86_64]: 15 SP1	File System: ext3, ext4 and xfs., Kernel Version: 4.12.14-195	SLES
36	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	SUSE SLES [x86_64]: 12 SP4	File System: ext3, ext4 and xfs., Kernel Version: 4.12.14-94	SLES
37	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	SUSE SLES [x86_64]: 12 SP3[12942],[54060]	File System: ext3, ext4 and xfs., Kernel Version: 4.4.73-5	SLES
38					SLES

	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	SUSE SLES [x86_64]: 12 SP2[12942],[54059]	File System: ext3, ext4 and xfs., Kernel Version: 4.4.21-69	
39	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Canonical Ubuntu: 18.04LTS	File System: ext3 & ext4	Ubuntu
40	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Canonical Ubuntu: 14.04LTS	File System: ext3, ext4 and xfs., Kernel Version:3.13.0-24	Ubuntu
41	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Canonical Ubuntu: 16.04LTS[12942]	File System: ext3, ext4 and xfs., Kernel Version: 4.4.0-21	Ubuntu
42	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Microsoft Windows 10: (64-bit)	NTFS, ReFS	Windows Client
43	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Microsoft Windows Server 2012: [12909],[12916], Microsoft Windows Server 2016: , Microsoft Windows Server 2019:	NTFS, ReFS	Windows Server
44	Dell EMC NetWorker Client: 19.4	Dell EMC Block Based Backup: 19.4	Microsoft Windows Server 2012 R2: [12914],[12933]	Filesystem: NTFS, ReFS	Windows Server

Footnotes:

12909 : Essentials and Foundation Editions supported.
12914 : Microsoft Failover Cluster is supported.
12916 : Microsoft Failover Cluster is supported only on Datacenter and Standard editions.
12918 : High Availability Cluster with Pacemaker is supported.
12933 : Veritas Cluster Server 7.1,7.2,7.3 is supported only on Standard and Data Center Editions.
12942 : BTRFS: For Sub-volume Backups use save -x option.BTRFS: No support for BBB/PP/NSM.
54059 : LTSS ends 31 Mar 2021
54060 : LTSS ends 30 June 2022
54302 : Errata kernel (kernel-4.18.0-147.3.1.el8_1.x86_64.rpm) required for Nested Virtualization

Header Notes:

This table contains details for CloudBoost.

NetWorker CloudBoost

No.	NetWorker Product	CloudBoost	Operating System	Cloud Provider	Notes	OS by Vendor
1	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	CentOS CentOS [x86_64]: 7.x	Microsoft Azure:	CloudBoost appliance can run on Microsoft Azure. Microsoft Azure Storage (supports general purpose and blob storage accounts with hot and cool tiers)	CentOS
2	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	CentOS CentOS [x86_64]: 7.x	Amazon AWS:	Amazon S3 is the supported Object store. CloudBoost appliance can run on Amazon AWS	CentOS
3	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	CentOS CentOS [x86_64]: 7.x	Dell EMC ECS: 3.1, Dell EMC Virtustream: , Generic Vendor OpenStack Swift: , Google Google Cloud Platform: , Scality Scality RING: 7.4	Object store only	CentOS
4	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059] , 12 SP3[54060]	Microsoft Azure:	CloudBoost appliance can run on Microsoft Azure. Microsoft Azure Storage (supports general purpose and blob storage accounts with hot and cool tiers)	SLES
5	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059] , 12 SP3[54060]	Amazon AWS:	Amazon S3 is the supported Object store. CloudBoost appliance can run on Amazon AWS	SLES

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		,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2				
6	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059] , 12 SP3[54060]	Dell EMC ECS: 3.1, Dell EMC Virtustream: , Generic Vendor OpenStack Swift: , Google Google Cloud Platform: , Scality Scality RING: 7.4	Object store only	SLES
7	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	Microsoft Windows Server 2012: [12909] ,12916,8508, Microsoft Windows Server 2012 R2: [12909] ,12914,12917,8508 , Microsoft Windows Server 2016: [12914]	Microsoft Azure:	CloudBoost appliance can run on Microsoft Azure. Microsoft Azure Storage (supports general purpose and blob storage accounts with hot and cool tiers)	Windows Server
8	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	Microsoft Windows Server 2012: [12909] ,12916,8508, Microsoft Windows Server 2012 R2: [12909] ,12914,12917,8508 , Microsoft Windows Server 2016: [12914]	Amazon AWS:	Amazon S3 is the supported Object store. CloudBoost appliance can run on Amazon AWS	Windows Server
9	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	Microsoft Windows Server 2012: [12909] ,12916,8508, Microsoft Windows Server 2012 R2: [12909] ,12914,12917,8508 , Microsoft Windows Server 2016: [12914]	Dell EMC ECS: 3.1, Dell EMC Virtustream: , Generic Vendor OpenStack Swift: , Google Google Cloud Platform: , Scality Scality RING: 7.4	Object store only	Windows Server
10	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	Red Hat RHEL [x86_64]: 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3[12918] , 7.4[12918]	Microsoft Azure:	CloudBoost appliance can run on Microsoft Azure. Microsoft Azure Storage (supports general purpose and blob storage accounts with hot and cool tiers)	RHEL
11				Amazon AWS:		RHEL

	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	Red Hat RHEL [x86_64]: 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3[12918], 7.4[12918]		Amazon S3 is the supported Object store. CloudBoost appliance can run on Amazon AWS	
12	Dell EMC NetWorker Server: 19.4	Dell EMC CloudBoost: 18.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 18.2[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.1[13013] ,13193,13194,13196 ,13197,13200,13274 ,50780, 19.2	Red Hat RHEL [x86_64]: 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3[12918], 7.4[12918]	Dell EMC ECS: 3.1, Dell EMC Virtustream: , Generic Vendor OpenStack Swift: , Google Google Cloud Platform: , Scality Scality RING: 7.4	Object store only	RHEL

Footnotes:

8508 : Datacenter and Standard editions supported.

12909 : Essentials and Foundation Editions supported.

12914 : Microsoft Failover Cluster is supported.

12916 : Microsoft Failover Cluster is supported only on Datacenter and Standard editions.

12917 : Veritas Cluster Server 7.1,7.2,7.3 are supported.

12918 : High Availability Cluster with Pacemaker is supported.

13013 : Client Direct support for NMM and cross app modules is supported.

13193 : Virtual CloudBoost Appliance is supported.

13194 : External Storage Node Support - File System (FS)

13196 : BBB support - Both Client Direct and clone Long Term Retention (LTR) feature Support

13197 : NMMedi Module support - Both Client Direct and clone Long Term Retention (LTR) feature Support

13200 : NMM Module support - Both Client Direct and clone Long Term Retention (LTR) feature Support. APP version: SQL : 2012, 2014, 2016; EXCH: 2010 , 2013 , 2016; Hyper-V: 2012,2012R2,2016; SharePoint : 2010, 2013, 2016.

13274 : NSM support - Both Client Direct and clone(LTR) feature Support.For NSM backup with on premise setup, the backup from mounted host can be client-direct to CB device. However for public cloud such as Azure/AWS, NSM supports only cloning(LTR) workflow to CB.

50780 : Scality Object store is supported for FS & SQL workflows [Small scale workloads only]

54059 : LTSS ends 31 Mar 2021

54060 : LTSS ends 30 June 2022

Header Notes:

This table contains details for NetWorker Disaster Recovery

Disaster Recovery

No.	NetWorker Product	NetWorker Component	Operating System	OS by Vendor
1	Dell EMC NetWorker Server: 19.4	Dell EMC Disaster Recovery:	CentOS CentOS [x86_64]: 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 7.1, 7.2, 7.3, 7.4, 7.5, 7.x	CentOS
2	Dell EMC NetWorker Server: 19.4	Dell EMC Disaster Recovery:	Oracle Linux OL 6.x [x86_64] UEK: UEK R4 U2 [4.1.12-61], Oracle Linux OL 7.x [x86_64] UEK: UEK R4 U4 [4.1.12-94]	OL UEK (Oracle)
3	Dell EMC NetWorker Server: 19.4	Dell EMC Disaster Recovery:	SUSE SLES [x86_64]: 11 SP4, 12 SP2[54059], 12 SP3[54060]	SLES
4	Dell EMC NetWorker Server: 19.4	Dell EMC Disaster Recovery:	Microsoft Windows Server 2012: [12909],[12916,8508], Microsoft Windows Server 2012 R2: [12909],[12914,12917,8508], Microsoft Windows Server 2016: [12914]	Windows Server

Footnotes:

8508 : Datacenter and Standard editions supported.

12909 : Essentials and Foundation Editions supported.

12914 : Microsoft Failover Cluster is supported.

12916 : Microsoft Failover Cluster is supported only on Datacenter and Standard editions.

12917 : Veritas Cluster Server 7.1,7.2,7.3 are supported.

54059 : LTSS ends 31 Mar 2021

54060 : LTSS ends 30 June 2022

Header Notes:

This table contains details for NDMP.

NetWorker NDMP

No.	NetWorker Product	NetWorker Component	NAS Filer	Feature Options	Notes
1	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	IBM SONAS:		3-way NDMP backups are supported, Model Storwize v7000 supported
2	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	Dell EMC VMAX ENGINUITY:	eNAS	
3	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	HP NAS OS: 5.5		HP NAS
4	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	Dell Fluid FS: 6		Token Based Backup is not supported.
5	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	Dell EMC VNX DART: 7.1, 8.1		Dell EMC VNX
6	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	Stratus VOS: 16.2.1ia, 17.1.1ag		.
7	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	Dell EMC POWERMAX: , Dell EMC PowerStoreOS: 1.0		
8	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	Hitachi BlueArc Mercury: 10.x, 7.x, 8.x, Hitachi BlueArc OS: SU2.3.511		.
9	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	Hitachi Hitachi NAS OS: 10.x, 11.x, 12.x, 13.x, 7.x, 8.x		.
10	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	Dell EMC Unity OE: 4.0.x, 4.1.x, 4.2.1, 4.2.x, 4.3.x, 4.4.x, 4.5.x, 5.0.x		Dell EMC Unity
11	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	Dell EMC ONEFS: 7.2.x, 8.0, 8.0.1.x, 8.1, 8.2, 8.2.1.x, 8.2.x, 9.0.x		Dell EMC ISILON
12	Dell EMC NetWorker Client: 19.4	Dell EMC NDMP Client Connection: 19.4[50604]	Network Appliance NetApp Data Ontap: 8.1.x, 8.2.x, 8.3.x, 9.0, 9.1.x, 9.2.x, 9.3.x, 9.4.x, 9.5.x, 9.6.x, 9.7.x		NetApp OnTap

Footnotes:

50604 : "NDMP Tape Server is supported as DD VTL", please see NetWorker Client Data Domian OS list for supported versions.

Header Notes:

This table contains details for ProtectPoint RP (XtremeIO)

ProtectPoint RP (XtremeIO)

No.	NetWorker Product	NetWorker Component	Operating System	Feature Options	Notes
1	Dell EMC NetWorker Client: 19.4	Dell EMC ProtectPoint RP (XtremIO):	Red Hat RHEL [x86_64]: 6.3[12942]	XtremIO 4.0.2, 4.0.4, 4.0.10,XtremIO2 6.0,6.1,6.2 RecoverPoint 4.4.1,5.0 Gen 5.0, 6.0 DataDomain 4200, 4500, 7200, 990, 9500 DDOS 5.7.1 and above	IBM_Power & IBM_System_Z are supported, Veritas Cluster Server 5.1, 6.0, 6.1;RHEL Cluster
2	Dell EMC NetWorker Client: 19.4	Dell EMC ProtectPoint RP (XtremIO):	IBM AIX: 7.1, 7.2, Microsoft Windows Server 2012: [12909],[12916], Microsoft Windows Server 2012 R2: [12914],[12933], Red Hat RHEL [x86_64]: 6.0[12942], 6.1[12942], 6.2[12942], 6.4[12942], 6.5[12942], 6.6[12942], 6.7[12942], 6.8[12942], 6.9[12942], 7.0[12942], 7.1[12942], 7.2[12942], 7.3[12942], 7.4[12942], SUSE SLES [x86_64]: 11 SP4[12942], 12 SP2[12942],[54059], 12 SP3[12942],[54060], 15	XtremIO 4.0.2, 4.0.4, 4.0.10,XtremIO2 6.0,6.1,6.2 RecoverPoint 4.4.1,5.0 Gen 5.0, 6.0 DataDomain 4200, 4500, 7200, 990, 9500 DDOS 5.7.1 and above	

Footnotes:

12909 : Essentials and Foundation Editions supported.
12914 : Microsoft Failover Cluster is supported.
12916 : Microsoft Failover Cluster is supported only on Datacenter and Standard editions.
12933 : Veritas Cluster Server 7.1,7.2,7.3 is supported only on Standard and Data Center Editions.
12942 : BTRFS: For Sub-volume Backups use save -x option.BTRFS: No support for BBB/PP/NSM.
54059 : LTSS ends 31 Mar 2021
54060 : LTSS ends 30 June 2022

Header Notes:

This table contains details for NetWorker with ProtectPoint VMAX3

ProtectPoint VMAX3

No.	NetWorker Product	NetWorker Component	Operating System	Feature Options	OS by Vendor
1	Dell EMC NetWorker Client: 19.4	Dell EMC ProtectPoint VMAX3:	IBM AIX: 7.1, 7.2	Supported EMC arrays: POWERMAX, VMAX-V3,VMAX AFA,Data Domain Models DD4500,D7200,DD990,DD9500 with DD OS 5.7 and above, and a vDisk service license.	AIX
2	Dell EMC NetWorker Client: 19.4	Dell EMC ProtectPoint VMAX3:	HPE HP-UX: 11i v3 (HP-UX 11.31)[12939][,12940,12941]	Supported EMC arrays: POWERMAX, VMAX-V3,VMAX AFA,Data Domain Models DD4500,D7200,DD990,DD9500 with DD OS 5.7 and above, and a vDisk service license.	HP-UX
3	Dell EMC NetWorker Client: 19.4	Dell EMC ProtectPoint VMAX3:	Red Hat RHEL [x86_64]: 6.0[12942], 6.1[12942], 6.2[12942], 6.3[12942], 6.4[12942], 6.5[12942], 6.6[12942], 6.7[12942], 6.8[12942], 6.9[12942], 7.0[12942], 7.1[12942], 7.2[12942], 7.3[12942], 7.4[12942], 7.5	Supported EMC arrays: POWERMAX, VMAX-V3,VMAX AFA,Data Domain Models DD4500,D7200,DD990,DD9500 with DD OS 5.7 and above, and a vDisk service license.	RHEL
4	Dell EMC NetWorker Client: 19.4	Dell EMC ProtectPoint VMAX3:	SUSE SLES [x86_64]: 11 SP4[12942], 12 SP2[12942][,54059], 12 SP3[12942][,54060], 15	Supported EMC arrays: POWERMAX, VMAX-V3,VMAX AFA,Data Domain Models DD4500,D7200,DD990,DD9500 with DD OS 5.7 and above, and a vDisk service license.	SLES
5	Dell EMC NetWorker Client: 19.4	Dell EMC ProtectPoint VMAX3:	Oracle Solaris: 10 SPARC[12921][,12941], 11 SPARC[12921][,12941]	Supported EMC arrays: POWERMAX, VMAX-V3,VMAX AFA,Data Domain Models DD4500,D7200,DD990,DD9500 with DD OS 5.7 and above, and a vDisk service license.	Solaris
6	Dell EMC NetWorker Client: 19.4	Dell EMC ProtectPoint VMAX3:	Microsoft Windows Server 2012: [12909][,12916], Microsoft Windows Server 2012 R2: [12914][,12933]	Supported EMC arrays: POWERMAX, VMAX-V3,VMAX AFA,Data Domain Models DD4500,D7200,DD990,DD9500 with DD OS 5.7 and above, and a vDisk service license.	Windows Server

Footnotes:

12909 : Essentials and Foundation Editions supported.
12914 : Microsoft Failover Cluster is supported.
12916 : Microsoft Failover Cluster is supported only on Datacenter and Standard editions.

12921 : AMD64 and INTEL_EM64T platforms are supported.
12933 : Veritas Cluster Server 7.1,7.2,7.3 is supported only on Standard and Data Center Editions.
12939 : PA-RISC platform is also supported with following Clusters Veritas Cluster Server 5.1, 6.0, MC/ServiceGuard: MC/SG 11.15.
12940 : HPVM vPar are supported.
12941 : (Veritas Cluster Server 5.1) NetWorker deduplication module/functionality support in a clustered environment. Only the NetWorker Client (includes local storage nodes) configuration within a cluster environment will be supported.
12942 : BTRFS: For Sub-volume Backups use save -x option.BTRFS: No support for BBB/PP/NSM.
54059 : LTSS ends 31 Mar 2021
54060 : LTSS ends 30 June 2022

NetWorker Version Interoperability Report *(Supported releases)* *as of November 10/20*

See Historical compatibility content on the next page

Y	Yes, Supported
N	No, Not Supported

Text in light grey font indicates a no longer supported version. See 'Service Life' at https://www.dell.com/support/home/us/en/04/product-support/product/networker/overview

Note: Each version number includes all Service Packs (SP's) and Cumulative Hotfixes.
The NetWorker Storage Node and NetWorker Client installed on the same host must be the same version.
The NetWorker Storage Node and NetWorker Server installed on the same host must be the same version.

NW Server	NWUI						Storage Node on another node						Client on another node						NMC					
	19.4.x	19.3.x	19.2.x	19.1.x	18.2.x	18.1.x	19.4.x	19.3.x	19.2.x	19.1.x	18.2.x	18.1.x	19.4.x	19.3.x	19.2.x	19.1.x	18.2.x	18.1.x	19.4.x	19.3.x	19.2.x	19.1.x	18.2.x	18.1.x
19.4.x	Y	N	N	N	N	N	Y	Y[1]	Y[1]	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N
19.3.x	N	Y	N	N	N	N	N	Y	Y[1]	Y[1]	N	N	N[4]	Y	Y	Y	Y	Y	Y	Y	N	N	N	N
19.2.x	N	N	Y	N	N	N	N	N	Y[1]	Y[1]	Y[1]	N	N[4]	N[4]	Y	Y	Y	Y	Y	Y	Y	N	N	N
19.1.x	N	N	N	Y	N	N	N	N	N	Y[1]	Y[1]	Y[1]	N[4]	N[4]	N[4]	Y	Y	Y	Y	Y	Y	Y	N	N
18.2.x	N	N	N	N	Y[2]	N	N	N	N	N	Y[1]	Y[1]	N[4]	N[4]	N[4]	N[4]	Y	Y	N	Y	Y	Y	Y	N
18.1.x	N	N	N	N	N	Y[2]	N	N	N	N	N	Y[1]	N[4]	N[4]	N[4]	N[4]	N[4]	Y	N	N	Y	Y	Y	Y

1. For RPS Clone enabled workflow, it is highly recommended to have same NW Storage Node version same as NW Server version.
2. NWUI Browser Support: Chrome, FireFox, Safari, MS Edge and IE 11. Review Release documentation for supported use cases.
3. NetWorker 8.2.x is no longer Supported, but prior to End of Support NW 8.2.x was supported with the identified NetWorker versions.
4. Exceptions are NetWorker clients with NMM. For NMM clients, NetWorker client support follows the support matrix NetWorker Server to Networker Module Interoperability

NetWorker Server to NetWorker Module Interoperability

Note: The NetWorker Module and NetWorker Client installed on the same host must be the same version.

NW Server	NMM								NMDA							
	19.4.x	19.3.x	19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x	19.4.x	19.3.x	19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x
19.4.x	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
19.3.x	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
19.2.x	N	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y
19.1.x	N	N	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y
18.2.x	N	N	Y	Y	Y	Y	Y	Y	N	N	N	N	Y	Y	Y	Y
18.1.x	N	N	Y	Y	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y

NW Server	NMSAP								NMMedi							
	19.4.x	19.3.x	19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x	19.4.x	19.3.x	19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x
19.4.x	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
19.3.x	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
19.2.x	N	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y
19.1.x	N	N	N	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y
18.2.x	N	N	N	N	Y	Y	Y	Y	N	N	N	N	Y	Y	Y	Y
18.1.x	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	Y	Y	Y

NetWorker Version Interoperability Report *(Historical versions)* as of November 10/20

Y	Yes, Supported
N	No, Not Supported

Text in light grey font indicates a no longer supported version. See 'Service Life' at https://www.dell.com/support/home/us/en/04/product-support/product/networker/overview

Note: Each version number includes all Service Packs (SP's) and Cumulative Hotfixes.
The NetWorker Storage Node and NetWorker Client installed on the same host must be the same version.
The NetWorker Storage Node and NetWorker Server installed on the same host must be the same version.

NW Server	NWUI 19.2.x	19.1.x	18.2.x	18.1.x	SN 19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x	8.2.4.14³	Client 19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x	8.2.4.14³	NMC 19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x	8.2.4.14³
19.2.x	Y	N	N	N	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N
19.1.x	N	Y	N	N	N	Y	Y	Y	Y	N	N	N⁴	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N
18.2.x	N	N	Y²	N	N	N	Y	Y	Y	N	N	N⁴	N⁴	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N
18.1.x	N	N	N	Y²	N	N	N	Y¹	Y¹	Y	N	N⁴	N⁴	N⁴	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N
9.2.x	N	N	N	N	N	N	N	N	Y	Y	N	N⁴	N⁴	N⁴	N⁴	Y	Y	Y	N	N	Y	Y	Y	N	N
9.1.x	N	N	N	N	N	N	N	N	Y	Y	N	N⁴	N⁴	N⁴	N⁴	N⁴	Y	Y	N	N	N	Y	Y	Y	N
8.2.4.14³	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N¹	N¹	N¹	Y	N	N	N	N	N	N	Y

1. For RPS Clone enabled workflow, it is highly recommended to have same NW Storage Node version same as NW Server version.
2. NWUI Browser Support: IE 11, IE Edge and Latest two version of Chrome, FireFox and Safari (18.2 only). Review Release documentation for supported use cases.
3. NetWorker 8.2.x is no longer Supported, but prior to End of Support NW 8.2.x was supported with the identified NetWorker versions.
4. Exceptions are NetWorker clients with NMM. For NMM clients, NetWorker client support follows the support matrix NetWorker Server to Networker Module Interoperability

NetWorker Server to NetWorker Module Interoperability

Note: The NetWorker Module and NetWorker Client installed on the same host must be the same version.

NW Server	NMM 19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x	9.0.1	9.0	8.2.4	NMDA 19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x	9.0.1	9.0	8.2.4
19.2.x	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N
19.1.x	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	N	N
18.2.x	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	N
18.1.x	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	N	N	N
9.2.x	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	Y	Y	N	N	N
9.1.x	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
9.0.1	N	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	N	Y	N	N
9.0	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	N
8.2.4	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y

NW Server	NMSAP 19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x	9.0.1	9.0	8.2.4	NMMedi 19.2.x	19.1.x	18.2.x	18.1.x	9.2.x	9.1.x	9.0.1	9.0	8.2.4
19.2.x	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	N	N	N
19.1.x	N	Y	Y	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	Y	N	N	N
18.2.x	N	N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	N	N	N
18.1.x	N	N	N	Y	Y	Y	N	N	N	N	N	N	Y	Y	Y	N	N	N
9.2.x	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N	N	N
9.1.x	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N	N
9.0.1	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N	N
9.0	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y	N
8.2.4	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	Y