Dell™ DX Object Storage Platform Interoperability Guide

This document provides information about the supported hardware and software versions for Dell™ DX Object Storage Platform systems.

Supported Hardware

This section lists the hardware supported by DX Object Storage Platform. Where applicable, firmware and driver versions are also listed.

BIOS Versions

Table 1 lists the BIOS version supported by the DX6000 system.

Platform	BIOS Version Supported
DX6000	2.0.13 or later
DX6012S	1.2.12 or later
DX6004S	1.0.0 or later

Table 1. Supported System BIOS

Hard Drives

The DX Object Storage Platform supports internal 3.5-inch hard drives only. Table 2 lists the supported hard drives and RAID types.

Platform	Hot-swappable (Yes/No)	Raid Type	Drives
DX6000	Yes	Raid 5	3.5-inch SATA 250GB or 1TB and 3.5-inch NearLine SAS 500GB or 1TB
DX6012S	No[1]	No RAID	3.5-inch SATA 250GB, 500GB, 1TB, or 2TB and 3.5-inch NearLine SAS 500GB, 1TB, or 2TB
DX6004S	No[1]	No RAID	3.5-inch SATA 250GB, 500GB, 1TB, or 2TB and 3.5-inch NearLine SAS 500GB, 1TB, or 2TB

Table 2. Supported Hard drives

[1]Hot removal of drive is supported. Reinserting or adding a new hard drive requires reboot of the DX6012S and DX6004S.

Supported Controllers

Table 3 lists the supported RAID controllers, supported firmware, and driver versions.

Platform	Controller Type	RAID Controller	Number of Controllers	Firmware Revision	BIOS Revision	Driver Revision
DX6000	Internal	H700	1	12.0.1-00 or later	12.0.1-00 or later[2]	4.17-2 or later
DX6012S	Internal	H200	1	07.02.42.00 or later	07.11.01.00 or later[2]	N/A[3]
DX6004S	Internal	H200	1	07.02.42.00 or later	07.11.01.00 or later[2]	N/A[3]

Table 3. Supported RAID Controllers

[2]Dell DX Compatibility Manager and DX Storage Node Console report RAID controller BIOS Revisions. The corresponding RAID controller firmware updates available at www.support.dell.com are referenced by Firmware Revision.

[3]The Drivers are applicable to DX6000 platform only as DX6012S and DX6004S run PXE bootable image from DX6000 that has embedded OS, Drivers and Application.

Table 4 lists the supported network interface controllers (NICs), supported firmware and driver versions.

Platform	NIC	Firmware Revision	Driver Revision
DX6000; DX6012S; DX6004S	Broadcom® NetXtreme™ II	5.2.0 or later	14.2.0 or later[4]
DX6000; DX6012S	Intel® PRO PCI-E Gigabit (2007)	N/A	11.2 or later[4]

Table 4. Supported Network Interface Controllers

[4]The Drivers are applicable to DX6000 platform only as DX6012S and DX6004S run PXE bootable image from DX6000 that has embedded OS, Drivers and Application.

Table 5 lists supported remote access controllers (iDRAC) and corresponding firmware versions.

Platform	iDRAC	Firmware Revision
DX6000	iDRAC Express or iDRAC Enterprise (optional)	1.41 or later
DX6012S	iDRAC Express or iDRAC Enterprise (optional)	1.41 or later
DX6004S	iDRAC Express or iDRAC Enterprise (optional)	1.54 or later

Table 5. Supported Remote Access Controllers

Supported Software

This section lists the supported operating systems and applications on the DX Object Storage Platform. Dell DX Object Storage Platform Compatibility Manager can be used to determine software component versions.

Supported Operating System

Table 6 lists the supported operating systems for the DX Object Storage Platform Software.

Platform	DX Platform Software	OS Support
DX6000	1.0	Red Hat® Enterprise Linux® 5.3 64-bit
	2.0.0	Red Hat® Enterprise Linux® 5.5 64-bit

Table 6. Supported Operating Systems

✎ Note: DX Object Storage Platform is not intended to be used as a web server or host any other services other than those specified in this document.

Supported Dell Applications

Table 7 lists the supported applications for the DX Object Storage Platform Software.

Platform	Dell Applications	DX Platform Software 1.0	DX Platform Software 2.0.0
DX6000	Dell DX Object Storage Platform Compatibility Manager	A01	A03 or later
	Dell OpenManage™ Server Administrator	6.2 or later	6.4 or later
	Dell Management Console[5]	1.01 or later	1.01 or later
	Dell Unified Server Configurator – Lifecycle Controller Enabled (USC-LCE)	A00 or later	A00 or later
DX6012S	Dell Unified Server Configurator – Lifecycle Controller Enabled (USC-LCE)	A00 or later	A00 or later
DX6004S	Dell Unified Server Configurator – Lifecycle Controller Enabled (USC-LCE)	A03 or later	A03 or later

Table 7. Supported Applications

[5]Dell Management Console is not installed on the DX Object Storage Platform but is a Management Application to remotely monitor the platform status.

Supported DX Object Storage Platform Application Software Stack

Table 8 lists the application software stack supported on the DX Object Storage Platform.

Platform	Component	CSN 1.0	CSN 2.0.0
DX6000	DX Object Storage Software	4.0.0 to 4.0.3; 4.0.3 patch for DX6004S support	5.0.2 or later
	DX Content Router Software	2.0 to 2.1.2	2.2.1 or later
	DX Proxy	1.0 to 1.1	1.2.1 or later
	DX SDK	1.0 to 1.1	1.2.1 or later

Table 8. Supported Object Storage Platform Software Stack

Browser Validation list for DX Object Storage Platform

The following list of browsers have been tested and validated with DX Object Storage Platform.

Browser	Linux	Windows®
Internet Explorer® v7		X
Internet Explorer® v8		X
Firefox v3.0		X
Firefox v 3.0.5	X	

Table 9. Supported Browsers

Note: Other browsers, not tested in Dell Labs may also work with the Dell DX Object Storage Platform.

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May 2011   Rev. A05

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