

# **IBM TotalStorage SAN256N 2045-N16 FICON & FCP IBM Storage and Server Interoperability Matrix**

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### Notes:

- 1 IBM® TotalStorage® SAN256N 2045-N16 (FICON® and FCP) must be at minimum firmware package 1.1.0 and EM version 9.0.1.
- 2 Latest available firmware is 1.1.1.
- 3 Full interoperability with the FC/9000 Fibre Channel Directors 2042-001, 2042-128 and 2042-256 (FICON and FCP) at minimum firmware package 5.0.0 or the 2042-N16 at minimum firmware package 1.1.. Recommended EM version 9.0.0.
- 4 Intermixing FICON (with or without CUP) and FCP attachment on the same Director requires IBM TotalStorage Enterprise Storage Server® (ESS) Licensed Internal Code (LIC) level 1.5.1 or later.
- 5 FCP maximum fabric size tested is three interswitch hops with four.
- 6 Maximum of one longwave or extended longwave link interswitch hop per fabric path.
- 7 Maximum of one hop is supported for FICON cascading.
- 8 Maximum of the two cascaded directors with FICON/FCP intermix is supported.
- 9 Attachment of FC-AL devices requires the use of IBM San Switch models F32, H16, H08.
- 10 Technical support on IBM TotalStorage SAN File System can be found at: [IBM TotalStorage support: SAN File System](#).
- 11 Technical support on SAN Volume Controller (SVC) can be found at: [IBM TotalStorage support: SAN Volume Controller](#).
- 12 Tivoli® [Storage Network Manager](#).
- 13 Contact IBM service for firmware package at: 1-800-657-6897 or 1-800-ibm-serv.
- 14 Planned availability dates represent current estimates and are subject to change or withdrawal at any time without notice.

## ESS Connectivity

Please see **IBM TotalStorage Enterprise Storage Server** [Interoperability Matrix](#) for Licensed Internal Code (LIC) level.

### IBM 9672 Enterprise G5 or G6 and IBM 2064, 2066 and 2086 IBM eServer™ zSeries® Servers

Description	Operating Systems (FICON)	Additional Information
<b>IBM TotalStorage Enterprise Storage Servers</b> <b>IBM 2105 Model</b> <ul style="list-style-type: none"> <li>• 750</li> <li>• 800</li> <li>• F10/F20</li> </ul>	<b>z/OS</b> Version 1 Release 4 Version 1 Release 5 Version 1 Release 6 <b>z/OS.e</b> Version 1 Release 4 Version 1 Release 5 Version 1 Release 6 <b>z/VM</b> Version 4 Release 4 Version 5 Release 1 VSE/ESA Version 2 Release 7 <b>Transaction Processing Facility (TPF)</b> Version 4 Release 1 <b>Linux</b> SuSE SLES 8 Red Hat R3 U2	Available.  <b>IBM TotalStorage Enterprise Storage Server</b> <a href="#">Interoperability Matrix</a>  For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a>

### IBM 2064, 2066 and 2086 IBM eServer™ zSeries® Servers

Description	Operating Systems (FCP)	Additional Information
<b>IBM TotalStorage Enterprise Storage Servers</b> <b>IBM 2105 Model</b> <ul style="list-style-type: none"> <li>• 750</li> <li>• 800</li> <li>• F10/F20</li> </ul>	<b>Linux</b> SuSE SLES 8 <sup>1</sup> Submarine  <b>z/VM</b> Version 5 Release 1	Available.

<sup>1</sup> SLES 8 for IBM zSeries 32-bit and 64-bit Server.

**IBM [pSeries](#), RS/6000, eServer p5 and RS/6000-SP Servers**

Description	Operating Systems	Additional Information
<p><b>IBM TotalStorage Enterprise Storage Servers</b>  <b>IBM 2105 Model</b></p> <ul style="list-style-type: none"> <li>• 750</li> <li>• 800</li> <li>• F10/F20</li> </ul>	<p><b>AIX®</b></p> <ul style="list-style-type: none"> <li>• Version 4                             <ul style="list-style-type: none"> <li>• 4.3.3</li> </ul> </li> <li>• 5L                             <ul style="list-style-type: none"> <li>• Version 5.1</li> <li>• Version 5.2</li> <li>• Version 5.3</li> </ul> </li> </ul> <p>PSSP/RVSD</p>	<p>Available.</p> <p><b>IBM TotalStorage Enterprise Storage Server <a href="#">Interoperability Matrix</a></b></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a> firmware and driver level matrix.</b></p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>
<p><b>IBM TotalStorage Enterprise Storage Servers</b>  <b>IBM 2105 Model</b></p> <ul style="list-style-type: none"> <li>• 750</li> <li>• 800</li> <li>• F10/F20</li> </ul>	<p><b>United Linux™ 1.0<sup>2</sup></b></p> <ul style="list-style-type: none"> <li>• SuSE Linux Enterprise Server 8</li> <li>• Turbolinux Enterprise Server 8</li> </ul>	<p>Available.</p>

<sup>2</sup> Details for Linux support on pSeries and RS/6000 can be found at:  
[http://www-1.ibm.com/servers/eserver/pseries/hardware/linux\\_facts.pdf](http://www-1.ibm.com/servers/eserver/pseries/hardware/linux_facts.pdf)

**IBM eServer iSeries™ Servers**

Description	Platform/Operating Systems	Additional Information
<p>IBM TotalStorage <a href="#">Enterprise Storage Servers</a>  <b>IBM 2105 Model</b></p> <ul style="list-style-type: none"> <li>• 750</li> <li>• 800</li> <li>• F10/F20</li> </ul>	<p><b>i5@/OS</b></p> <ul style="list-style-type: none"> <li>• V5R3</li> </ul> <p><b>OS/400</b></p> <ul style="list-style-type: none"> <li>• V5R2 or later</li> </ul> <p><b>Linux</b></p> <p>United Linux</p> <ul style="list-style-type: none"> <li>• 1.0</li> </ul> <p>SuSE Linux Enterprise Server for iSeries</p> <ul style="list-style-type: none"> <li>• 7</li> </ul>	<p>Available</p> <p><b>Enterprise Storage Server</b>  <a href="#">Interoperability matrix</a></p> <p><b>iSeries SAN</b> <a href="#">information</a></p>

**IBM xSeries, Netfinity Servers and other Intel-based Servers**

Description	Operating Systems	Additional Information
<p><b>IBM TotalStorage Enterprise Storage Servers</b>  <b>IBM 2105 Model</b></p> <ul style="list-style-type: none"> <li>• 750</li> <li>• 800</li> <li>• F10/F20</li> </ul>	<p><b>Microsoft® Windows NT™</b></p> <ul style="list-style-type: none"> <li>• Server 4.0</li> <li>• Server 4.0 Enterprise Edition</li> </ul> <p><b>Microsoft Windows® 2000</b></p> <ul style="list-style-type: none"> <li>• Server</li> <li>• Advanced Server</li> <li>• Datacenter Server</li> </ul> <p><b>Microsoft Windows 2003<sup>3</sup></b></p> <ul style="list-style-type: none"> <li>• Standard Edition</li> <li>• Enterprise Edition</li> <li>• Datacenter Edition</li> </ul>	<p>Available.</p> <p><b>IBM TotalStorage Enterprise Storage Server <a href="#">Interoperability Matrix</a></b></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a> firmware and driver level matrix.</b></p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>
	<p><b>Novell Netware</b></p> <ul style="list-style-type: none"> <li>• 5.0</li> <li>• 5.1</li> <li>• 6.0</li> </ul>	<p>Available.</p>
	<p><b>Red Hat Linux Advanced Server</b></p> <ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul> <p><b>SuSE Linux Enterprise Server (SLES)</b></p> <ul style="list-style-type: none"> <li>• 8</li> </ul> <p><b>UnitedLinux</b></p> <ul style="list-style-type: none"> <li>• 1.0</li> </ul>	<p>Available.</p>

<sup>3</sup> Requires ESS LIC level 2.2.0, or later. Windows 2003 is not supported on the Emulex LP7000E, QLogic QLA2100F, and IBM P/N 01K7297 host adapters.

**SUN microsystems Servers**

Description	Operating Systems	Additional Information
<p><b>IBM TotalStorage Enterprise Storage Servers</b></p> <p><b>IBM 2105 Model</b></p> <ul style="list-style-type: none"> <li>• 750</li> <li>• 800</li> <li>• F10/F20</li> </ul>	<p><b>Solaris</b></p> <ul style="list-style-type: none"> <li>• 2.6</li> <li>• 7</li> <li>• 8</li> <li>• 9</li> </ul>	<p>Available.</p> <p><b>IBM TotalStorage Enterprise Storage Server <a href="#">Interoperability Matrix</a></b></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a> firmware and driver level matrix.</b></p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

**Hewlett-Packard Servers – HP- UX**

Description	Operating Systems	Additional Information
<p><b>IBM TotalStorage Enterprise Storage Servers</b></p> <p><b>IBM 2105 Model</b></p> <ul style="list-style-type: none"> <li>• 750</li> <li>• 800</li> <li>• F10/F20</li> </ul>	<p><b>HP-UX</b></p> <ul style="list-style-type: none"> <li>• 11.0</li> <li>• 11i</li> </ul>	<p>Available.</p> <p><b>IBM TotalStorage Enterprise Storage Server <a href="#">Interoperability Matrix</a></b></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a> firmware and driver level matrix.</b></p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>



## DS8000 Connectivity

Please see **IBM TotalStorage DS8000 [Interoperability Matrix](#)** for Licensed Machine Code (LMC) level and availability.

### IBM 9672 Enterprise G5 or G6 and IBM 2064, 2066 and 2086 IBM eServer™ [zSeries®](#) Servers

Description	Operating Systems (FICON)	Additional Information
<b>IBM TotalStorage <a href="#">DS8000</a></b> <ul style="list-style-type: none"> <li>• DS8100 2107-921</li> <li>• DS8300 2107-922 2107-9A2</li> </ul>	<b>z/OS</b> Version 1 Release 4 Version 1 Release 5 Version 1 Release 6 <b>z/OS.e</b> Version 1 Release 4 Version 1 Release 5 Version 1 Release 6 <b>z/VM</b> Version 4 Release 4 Version 5 Release 1 VSE/ESA Version 2 Release 7 <b>Transaction Processing Facility (TPF)</b> Version 4 Release 1	Available.  <b>IBM TotalStorage DS8000 <a href="#">Interoperability Matrix</a></b>  For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a>

### IBM 2064, 2066 and 2086 IBM eServer™ [zSeries®](#) Servers

Description	Operating Systems (FCP)	Additional Information
<b>IBM TotalStorage <a href="#">DS8000</a></b> <ul style="list-style-type: none"> <li>• DS8100 2107-921</li> <li>• DS8300 2107-922 2107-9A2</li> </ul>	<b>Linux</b> SuSE SLES 8 <sup>4</sup> Submarine  <b>z/VM</b> Version 5 Release 1	Available.  <b>IBM TotalStorage DS8000 <a href="#">Interoperability Matrix</a></b>  For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a>

<sup>4</sup> SLES 8 for IBM zSeries 32-bit and 64-bit Server.

**IBM [pSeries](#), RS/6000, eServer p5 and RS/6000-SP Servers**

Description	Operating Systems	Additional Information
<p>IBM TotalStorage <a href="#">DS8000</a></p> <ul style="list-style-type: none"> <li>• DS8100 2107-921</li> <li>• DS8300 2107-922 2107-9A2</li> </ul>	<p><b>AIX</b> 5.1 5.2 5.3</p> <p><b>HACMP</b> 5.1.0 5.2.0</p> <p><b>SUSE</b> SLES 8 SLES 9</p> <p><b>Red Hat</b> RHEL 3.0 U3</p>	<p>Available.</p> <p><b>IBM TotalStorage DS8000</b> <a href="#">Interoperability Matrix</a></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type</b> <b>director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

**IBM eServer iSeries™ Servers**

Description	Platform/Operating Systems	Additional Information
<p><b>IBM TotalStorage <a href="#">DS8000</a></b></p> <ul style="list-style-type: none"> <li>• DS8100 2107-921</li> <li>• DS8300 2107-922 2107-9A2</li> </ul>	<p><b>i5/OS</b></p> <ul style="list-style-type: none"> <li>• V5R3</li> </ul> <p><b>OS/400</b></p> <ul style="list-style-type: none"> <li>• V5R2 or later</li> </ul> <p><b>Linux</b></p> <p>United Linux</p> <ul style="list-style-type: none"> <li>• 1.0</li> </ul> <p>Red Hat</p> <ul style="list-style-type: none"> <li>• Rel 3 U3</li> </ul> <p>SuSE Linux Enterprise Server for iSeries</p> <ul style="list-style-type: none"> <li>• 9</li> </ul>	<p>Available</p> <p><b>IBM TotalStorage DS8000 <a href="#">Interoperability Matrix</a></b></p> <p><b>iSeries SAN <a href="#">information</a></b></p>

**IBM xSeries, Netfinity Servers and other Intel-based Servers**

Description	Operating Systems	Additional Information
<p>IBM TotalStorage <a href="#">DS8000</a></p> <ul style="list-style-type: none"> <li>• DS8100 2107-921</li> <li>• DS8300 2107-922 2107-9A2</li> </ul>	<p><b>Microsoft Windows 2000</b></p> <ul style="list-style-type: none"> <li>• Server</li> <li>• Advanced Server including Cluster service</li> <li>• Datacenter Server</li> </ul> <p><b>Microsoft Windows Server 2003</b></p> <ul style="list-style-type: none"> <li>• Standard Edition</li> <li>• Enterprise Edition including cluster service</li> <li>• Datacenter Edition including cluster service</li> </ul>	<p>Available.</p> <p><b>IBM TotalStorage DS8000 <a href="#">Interoperability Matrix</a></b></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>
	<p><b>Novell Netware</b></p> <ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.5</li> </ul>	<p>Available.</p>
	<p><b>Red Hat Enterprise Linux</b></p> <ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul> <p><b>SuSe SLES 8</b></p> <p><b>Asianux 1.0</b></p> <p>Red Flag Linux Datacenter</p> <ul style="list-style-type: none"> <li>• v4.1</li> </ul> <p>Red Flag Linux Advanced Server</p> <ul style="list-style-type: none"> <li>• v4.1</li> </ul>	<p>Available.</p>

**SUN microsystems Servers**

Description	Operating Systems	Additional Information
<p>IBM TotalStorage <a href="#">DS8000</a></p> <ul style="list-style-type: none"> <li>• DS8100 2107-921</li> <li>• DS8300 2107-922 2107-9A2</li> </ul>	<p>Solaris</p> <ul style="list-style-type: none"> <li>• 8</li> <li>• 9</li> </ul>	<p>Available.</p> <p><b>IBM TotalStorage DS8000</b> <a href="#">Interoperability Matrix</a></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

**Hewlett-Packard Servers – HP- UX**

Description	Operating Systems	Additional Information
<p>IBM TotalStorage <a href="#">DS8000</a></p> <ul style="list-style-type: none"> <li>• DS8100 2107-921</li> <li>• DS8300 2107-922 2107-9A2</li> </ul>	<p>HP-UX</p> <ul style="list-style-type: none"> <li>• 11i</li> <li>• 11iv2</li> </ul>	<p>Available.</p> <p><b>IBM TotalStorage DS8000</b> <a href="#">Interoperability Matrix</a></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

## DS6000 Connectivity

Please see **IBM TotalStorage DS6000 [Interoperability Matrix](#)** for Licensed Machine Code (LMC) level and availability.

### IBM 9672 Enterprise G5 or G6 and IBM 2064, 2066 and 2086 IBM eServer™ zSeries® Servers

Description	Operating Systems (FICON)	Additional Information
<b>IBM TotalStorage <a href="#">DS6000</a></b> <ul style="list-style-type: none"> <li>DS6800 1750-111</li> </ul>	<b>z/OS</b> Version 1 Release 4 Version 1 Release 5 Version 1 Release 6 <b>z/OS.e</b> Version 1 Release 4 Version 1 Release 5 Version 1 Release 6 <b>z/VM</b> Version 4 Release 4 Version 5 Release 1 VSE/ESA Version 2 Release 7 <b>Transaction Processing Facility (TPF)</b> Version 4 Release 1	Available.  <b>IBM TotalStorage DS6000 <a href="#">Interoperability Matrix</a></b>  For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a>

### IBM 2064, 2066 and 2086 IBM eServer™ zSeries® Servers

Description	Operating Systems (FCP)	Additional Information
<b>IBM TotalStorage <a href="#">DS6000</a></b> <ul style="list-style-type: none"> <li>DS6800 1750-111</li> </ul>	<b>Linux</b> SuSE SLES 8 <sup>5</sup> Submarine	Available.  <b>IBM TotalStorage DS6000 <a href="#">Interoperability Matrix</a></b>  For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a>

<sup>5</sup> SLES 8 for IBM zSeries 32-bit and 64-bit Server.

**IBM [pSeries](#), RS/6000, eServer p5 and RS/6000-SP Servers**

Description	Operating Systems	Additional Information
<p>IBM TotalStorage <a href="#">DS6000</a></p> <ul style="list-style-type: none"> <li>• DS6800 1750-111</li> </ul>	<p><b>AIX</b> 5.1 5.2 5.3</p> <p><b>HACMP</b> 5.1.0 5.2.0</p> <p><b>SUSE</b> SLES 8</p> <p><b>Red Hat</b> RHEL 3.0 U3</p>	<p>Available.</p> <p><b>IBM TotalStorage DS6000</b> <a href="#">Interoperability Matrix</a></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type</b> <b>director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

**IBM eServer iSeries™ Servers**

Description	Platform/Operating Systems	Additional Information
<p>IBM TotalStorage <a href="#">DS6000</a></p> <ul style="list-style-type: none"> <li>• DS6800 1750-111</li> </ul>	<p><b>i5/OS</b></p> <ul style="list-style-type: none"> <li>• V5R3</li> </ul> <p><b>OS/400</b></p> <ul style="list-style-type: none"> <li>• V5R2 or later</li> </ul> <p><b>Linux</b></p> <p>Red Hat</p> <ul style="list-style-type: none"> <li>• Rel 3.0 U3</li> </ul>	<p>Available</p> <p><b>IBM TotalStorage DS6000</b> <a href="#">Interoperability Matrix</a></p> <p><b>iSeries SAN</b> <a href="#">information</a></p>



**IBM xSeries, Netfinity Servers and other Intel-based Servers**

Description	Operating Systems	Additional Information
<p>IBM TotalStorage <a href="#">DS6000</a></p> <ul style="list-style-type: none"> <li>• DS6800 1750-111</li> </ul>	<p><b>Microsoft Windows 2000</b></p> <ul style="list-style-type: none"> <li>• Server</li> <li>• Advanced Server including Cluster service</li> <li>• Datacenter Server</li> </ul> <p><b>Microsoft Windows Server 2003</b></p> <ul style="list-style-type: none"> <li>• Standard Edition</li> <li>• Enterprise Edition including cluster service</li> <li>• Datacenter Edition including cluster service</li> </ul>	<p>Available.</p> <p><b>IBM TotalStorage DS6000 <a href="#">Interoperability Matrix</a></b></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>
	<p><b>Novell Netware</b></p> <ul style="list-style-type: none"> <li>• 5.1</li> <li>• 6.0</li> <li>• 6.5</li> </ul>	<p>Available.</p>
	<p><b>Red Hat Enterprise Linux</b></p> <ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul> <p><b>SuSe</b></p> <p>SLES 8</p> <p><b>Asianux 1.0</b></p> <p>Red Flag Linux Datacenter</p> <ul style="list-style-type: none"> <li>• v4.1</li> </ul> <p>Red Flag Linux Advanced Server</p> <ul style="list-style-type: none"> <li>• v4.1</li> </ul>	<p>Available.</p>

**SUN microsystems Servers**

Description	Operating Systems	Additional Information
<p>IBM TotalStorage <a href="#">DS6000</a></p> <ul style="list-style-type: none"> <li>• DS6800 1750-111</li> </ul>	<p>Solaris</p> <ul style="list-style-type: none"> <li>• 8</li> <li>• 9</li> </ul>	<p>Available.</p> <p><b>IBM TotalStorage DS6000</b> <a href="#">Interoperability Matrix</a></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

**Hewlett-Packard Servers – HP- UX**

Description	Operating Systems	Additional Information
<p>IBM TotalStorage <a href="#">DS6000</a></p> <ul style="list-style-type: none"> <li>• DS6800 1750-111</li> </ul>	<p>HP-UX</p> <ul style="list-style-type: none"> <li>• 11i</li> <li>• 11iv2</li> </ul>	<p>Available.</p> <p><b>IBM TotalStorage DS6000</b> <a href="#">Interoperability Matrix</a></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

## IBM TotalStorage FAStT Connectivity

- 1 We do not recommend attaching the **IBM FAStT** on the same Intel® server as the **TotalStorage Enterprise Storage Server**. Both devices may be attached to the same switch.
- 2 For the most current supported **HACMP™**, **PSSP**, **GPFS/RVSD** configurations see the **important notices** and readmes posted on:
  - <http://www-1.ibm.com/servers/storage/support/fastt/fastt900.html>
  - <http://www-1.ibm.com/servers/storage/support/fastt/fastt700.html>
  - <http://www-1.ibm.com/servers/storage/support/fastt/fastt600.html>
  - <http://www-1.ibm.com/servers/storage/support/fastt/fastt500.html>
  - <http://www-1.ibm.com/servers/storage/support/fastt/fastt200.html>

### IBM [pSeries](#), RS/6000 and RS/6000-SP Servers

Description	Operating Systems	Additional Information
<b>IBM TotalStorage Storage Servers</b> <ul style="list-style-type: none"> <li>• <a href="#">FAStT900</a></li> <li>• <a href="#">FAStT700</a></li> <li>• <a href="#">FAStT600</a></li> <li>• Dual Controller</li> <li>• Turbo</li> </ul>	<b>AIX</b> <ul style="list-style-type: none"> <li>• Version 4                             <ul style="list-style-type: none"> <li>• 4.3.3</li> </ul> </li> <li>• 5L                             <ul style="list-style-type: none"> <li>• Version 5.1</li> <li>• Version 5.2</li> </ul> </li> </ul>	Available  <b>IBM TotalStorage <a href="#">FAStT Storage Interoperability Matrix</a></b>  <b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.  For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a>
	<b>United Linux 1.0<sup>6</sup></b> <ul style="list-style-type: none"> <li>• SuSE Linux Enterprise Server 8</li> </ul>	Available

<sup>6</sup> SuSE Linux Enterprise Server 8 supports pSeries and RS/6000 only at this time, details for Linux support on pSeries and RS/6000 can be found at: [http://www-1.ibm.com/servers/eserver/pseries/hardware/linux\\_facts.pdf](http://www-1.ibm.com/servers/eserver/pseries/hardware/linux_facts.pdf)

**IBM eServer xSeries®, Netfinity Servers and other Intel-based Servers**

Description	Operating Systems	Additional Information
<p><b>IBM TotalStorage Storage Servers</b></p> <ul style="list-style-type: none"> <li>• <a href="#">FAStT900</a></li> <li>• <a href="#">FAStT700</a></li> <li>• <a href="#">FAStT600</a></li> <li>• Dual Controller</li> <li>• Single Controller</li> <li>• Turbo</li> </ul>	<p><b>Microsoft Windows NT</b></p> <ul style="list-style-type: none"> <li>• Server 4.0</li> <li>• Server 4.0 Enterprise Edition</li> </ul> <p><b>Microsoft Windows 2000</b></p> <ul style="list-style-type: none"> <li>• Server</li> <li>• Advanced Server</li> </ul> <p><b>Microsoft Windows 2003</b></p> <ul style="list-style-type: none"> <li>• Standard Edition</li> <li>• Enterprise Edition</li> <li>• Web Edition</li> </ul>	<p>Available</p> <p><b>IBM TotalStorage FASTT Storage</b> <a href="#">Interoperability matrix</a></p> <p><b>IBM Server Proven</b> <a href="#">Interoperability matrix</a></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p>
	<p><b>Novell Netware</b></p> <ul style="list-style-type: none"> <li>• 5.1</li> <li>• 6.0</li> </ul>	<p>Available</p>
	<p><b>Red Hat Linux</b></p> <ul style="list-style-type: none"> <li>• 7.x</li> <li>• 8.0</li> </ul> <p><b>Red Hat Enterprise Linux</b></p> <ul style="list-style-type: none"> <li>• 2.1</li> </ul> <p><b>United Linux 1.0</b></p> <ul style="list-style-type: none"> <li>• SuSE Linux Enterprise Server 8</li> <li>• Turbolinux Enterprise Server 8</li> <li>• Connectiva Enterprise Edition</li> </ul>	<p>Available</p>

**SUN microsystems Servers**

Description	Operating Systems	Additional Information
<p><b>IBM TotalStorage Storage Servers</b></p> <ul style="list-style-type: none"> <li>• <a href="#">FAST900</a></li> <li>• <a href="#">FAST700</a></li> <li>• <a href="#">FAST600</a></li> <li>• Dual Controller</li> <li>• Single Controller</li> <li>• Turbo</li> </ul>	<p><b>Solaris</b></p> <ul style="list-style-type: none"> <li>• 2.6</li> <li>• 7</li> <li>• 8</li> <li>• 9</li> </ul>	<p>Available</p> <p><b>IBM TotalStorage <a href="#">FAST Storage Interoperability Matrix</a></b></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a> firmware and driver level matrix.</b></p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

**Hewlett-Packard Servers – HP- UX**

Description	Operating Systems	Additional Information
<p><b>IBM TotalStorage Storage Servers</b></p> <ul style="list-style-type: none"> <li>• <a href="#">FAST900</a></li> <li>• <a href="#">FAST700</a></li> <li>• <a href="#">FAST600</a></li> <li>• Dual Controller</li> <li>• Single Controller</li> <li>• Turbo</li> </ul>	<p><b>HP-UX</b></p> <ul style="list-style-type: none"> <li>• 11.0</li> <li>• 11i</li> </ul>	<p>Available</p> <p><b>IBM TotalStorage <a href="#">FAST Storage Interoperability Matrix</a></b></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a> firmware and driver level matrix.</b></p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

**IBM eServer [pSeries®](#), RS/6000® and RS/6000-SP Servers**

Description	Operating Systems	Additional Information
<b>IBM TotalStorage Storage Servers</b> • <a href="#">FAST100</a>	<b>AIX</b> • 5L • Version 5.1 • Version 5.2	Available.  <b>IBM TotalStorage FAST Storage</b> <a href="#">Interoperability matrix</a>  <b>IBM Server Proven™</b> <a href="#">Interoperability matrix</a>  <b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.
	<b>United Linux 1.0<sup>7</sup></b> • SuSE Linux Enterprise Server 8	Available.

**IBM [xSeries](#) and Netfinity Servers and other Intel-based Servers**

Description	Operating Systems	Additional Information
<b>IBM TotalStorage Storage Servers</b> • <a href="#">FAST100</a>	<b>Microsoft Windows 2000</b> • Server • Advanced Server  <b>Microsoft Windows 2003</b> • Standard Edition • Enterprise Edition • Web Edition	Available.  <b>IBM TotalStorage FAST Storage</b> <a href="#">Interoperability matrix</a>  <b>IBM Server Proven</b> <a href="#">Interoperability matrix</a>  <b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.
	<b>Red Hat Enterprise Linux</b> • 3.0  <b>United Linux 1.0</b> • SuSE Linux Enterprise Server 8 • Turbolinux Enterprise Server 8 • Connectiva Enterprise Edition	Available.

<sup>7</sup> SuSE Linux Enterprise Server 8 supports pSeries and RS/6000 only at this time, details for Linux support on pSeries and RS/6000 can be found at: [http://www-1.ibm.com/servers/eserver/pseries/hardware/linux\\_facts.pdf](http://www-1.ibm.com/servers/eserver/pseries/hardware/linux_facts.pdf)

**IBM [pSeries](#), RS/6000 and RS/6000-SP Servers**

Description	Operating Systems	Additional Information
<b>IBM TotalStorage Storage Servers</b> <ul style="list-style-type: none"> <li>• <a href="#">FAST500</a></li> <li>• <a href="#">FAST200</a></li> </ul>	<b>AIX</b> <ul style="list-style-type: none"> <li>• Version 4                             <ul style="list-style-type: none"> <li>• 4.3.3</li> </ul> </li> <li>• 5L                             <ul style="list-style-type: none"> <li>• Version 5.1</li> <li>• Version 5.2</li> </ul> </li> </ul>	Available  <b>IBM TotalStorage <a href="#">FAST Storage Interoperability Matrix</a></b>  <b>Fibre Channel <a href="#">Host Bus Adapter</a> firmware and driver level matrix.</b>  For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a>
	<b>United Linux 1.0<sup>8</sup></b> <ul style="list-style-type: none"> <li>• SuSE Linux Enterprise Server 8</li> </ul>	Available

**IBM [xSeries](#), Netfinity Servers and other Intel-based Servers**

Description	Operating Systems	Additional Information
<b>IBM TotalStorage Storage Servers</b> <ul style="list-style-type: none"> <li>• <a href="#">FAST500</a></li> <li>• <a href="#">FAST200</a></li> </ul>	<b>Microsoft Windows NT</b> <ul style="list-style-type: none"> <li>• Server 4.0</li> <li>• Server 4.0 Enterprise Edition</li> </ul> <b>Microsoft Windows 2000</b> <ul style="list-style-type: none"> <li>• Server</li> <li>• Advanced Server</li> </ul> <b>Microsoft Windows 2003</b> <ul style="list-style-type: none"> <li>• Standard Edition</li> <li>• Enterprise Edition</li> <li>• Web Edition</li> </ul>	Available  <b>IBM TotalStorage <a href="#">FAST Storage Interoperability Matrix</a></b>  <b>Fibre Channel <a href="#">Host Bus Adapter</a> firmware and driver level matrix.</b>  For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a>
	<b>Novell Netware</b> <ul style="list-style-type: none"> <li>• 5.1</li> <li>• 6.0</li> </ul>	Available.

<sup>8</sup> SuSE Linux Enterprise Server 8 supports pSeries and RS/6000 only at this time, details for Linux support on pSeries and RS/6000 can be found at: [http://www-1.ibm.com/servers/eserver/pseries/hardware/linux\\_facts.pdf](http://www-1.ibm.com/servers/eserver/pseries/hardware/linux_facts.pdf)

	<b>Red Hat Linux</b> <ul style="list-style-type: none"><li>• 7.x</li><li>• 8.0</li></ul> <b>Red Hat Enterprise Linux</b> <ul style="list-style-type: none"><li>• 2.1</li></ul> <b>United Linux 1.0</b> <ul style="list-style-type: none"><li>• SuSE Linux Enterprise Server 8</li></ul>	Available.
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**SUN microsystems Servers**

Description	Operating Systems	Additional Information
<p>IBM TotalStorage Storage Servers</p> <ul style="list-style-type: none"> <li>• <a href="#">FAST500</a></li> <li>• <a href="#">FAST200</a></li> </ul>	<p>Solaris</p> <ul style="list-style-type: none"> <li>• 2.6</li> <li>• 7</li> <li>• 8</li> <li>• 9</li> </ul>	<p>Available</p> <p>IBM TotalStorage <a href="#">FAST Storage Interoperability Matrix</a></p> <p>Fibre Channel <a href="#">Host Bus Adapter</a> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

**Hewlett-Packard Servers – HP- UX**

Description	Operating Systems	Additional Information
<p>IBM TotalStorage Storage Servers</p> <ul style="list-style-type: none"> <li>• <a href="#">FAST500</a></li> <li>• <a href="#">FAST200</a></li> </ul>	<p>HP-UX</p> <ul style="list-style-type: none"> <li>• 11.0</li> <li>• 11i</li> </ul>	<p>Available</p> <p>IBM TotalStorage <a href="#">FAST Storage Interoperability Matrix</a></p> <p>Fibre Channel <a href="#">Host Bus Adapter</a> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

## TAPE Connectivity

### IBM 9672 Enterprise G5 or G6 and IBM 2064 IBM eServer™ [zSeries®](#) Servers

Description	Operating Systems	Additional Information
<p><b>IBM TotalStorage Enterprise Tape Controller <a href="#">3592</a> Model J70 or <a href="#">3590</a> Model A60</b></p> <p><b>FICON Attachment Longwave:</b></p> <ul style="list-style-type: none"> <li>• FC-3434 (2 Gb)</li> <li>• FC-3432 (1 Gb)</li> </ul> <p><b>Shortwave:</b></p> <ul style="list-style-type: none"> <li>• FC-3435 (2 Gb)</li> <li>• FC-3433 (1 Gb)</li> </ul> <p><b>IBM TotalStorage Enterprise Automated Tape Library 3494</b></p> <p><b>IBM TotalStorage Virtual Tape Server 3494-B10/B20</b> in Standalone or Peer to Peer configurations<sup>9</sup></p> <p><b>IBM TotalStorage Enterprise Tape Drive Frame 3590 Model A14</b></p> <p><b>IBM TotalStorage Silo Compatible Tape Drive Frame</b></p>	<p><b>IBM 9672 Enterprise G5 or G6 and zSeries Servers</b></p> <p><b>FICON Channel Card Longwave:</b></p> <p><b>G5/G6:</b></p> <ul style="list-style-type: none"> <li>• FC-2314</li> </ul> <p><b>zSeries:</b></p> <ul style="list-style-type: none"> <li>• FC-2315</li> <li>• FC-2319</li> </ul> <p><b>Shortwave:</b></p> <p><b>G5/G6:</b></p> <ul style="list-style-type: none"> <li>• FC-2316</li> </ul> <p><b>zSeries:</b></p> <ul style="list-style-type: none"> <li>• FC-2318</li> <li>• FC-2320</li> </ul> <p><b>zSeries z800</b></p> <ul style="list-style-type: none"> <li>• 2066</li> </ul> <p><b>zSeries z890</b></p> <ul style="list-style-type: none"> <li>• 2086</li> </ul> <p><b>zSeries z900 and z990</b></p> <ul style="list-style-type: none"> <li>• 2064</li> </ul>	<p>Available.</p> <p>See IBM TotalStorage Enterprise Tape Controller 3590 Model A60 native <a href="#">FICON</a>, <a href="#">technical</a> support or visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a> for details.</p>

<sup>9</sup> R7.2 (2.30.720.42) or higher required.

**IBM eServer zSeries® Servers Model z800 and z900**

Description	Operating Systems	Additional Information
<p><b>IBM TotalStorage Enterprise Tape System <a href="#">3592 J1A</a></b> in a 3494 or 3584 Tape Library.</p> <p><b>IBM TotalStorage Enterprise Tape System <a href="#">3590 E11/E1A</a> and <a href="#">H11/H1A</a></b> with Native FC Tape Drives. Standalone or in a 3494 Tape Library</p> <p><b>All 3494 rules apply.</b></p> <p>i.e. ESCON®/FICON owned drives cannot coexist in the same frame as Open Systems drives.</p> <p><b>IBM TotalStorage Ultrium™ <a href="#">3584 UltraScalable</a></b> Tape Library with Native FC Ultrium 2 drives only. (Feature Code 1476)</p> <p><b>IBM TotalStorage Ultrium <a href="#">3583 Scalable</a></b> Tape Library with Native FC Ultrium 2 drives</p> <p><b>IBM TotalStorage Ultrium <a href="#">3582</a></b> Tape Library with Native FC Ultrium 2 drives.</p>	<p><b>SLES 8 for IBM zSeries 32-bit and 64-bit Server</b></p> <p><b>FICON or FICON Express Channels</b> with FCP enablement firmware</p> <p><b>Longware</b></p> <ul style="list-style-type: none"> <li>• FC 2315</li> <li>• FC 2319</li> </ul> <p><b>Shortware</b></p> <ul style="list-style-type: none"> <li>• FC 2318</li> <li>• FC 2320</li> </ul>	<p>Available.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>

**IBM pSeries, RS/6000 and RS/6000-SP Servers**

Description	Operating Systems	Additional Information
<p><b>Enterprise Tape System 3592 J1A</b> in a 3494 or 3584 Tape Library, rack mounted or Silo Compatible Frame.</p> <p><b>Enterprise Tape System 3590 E11/E1A and H11/H1A</b> with Native FC Tape Drives. Standalone or in a 3494 Tape Library</p>	<p><b>AIX</b> 5L</p> <ul style="list-style-type: none"> <li>• Version 5.1</li> <li>• Version 5.2</li> <li>• Version 5.3</li> </ul>	<p>Available.<sup>10</sup></p> <p><b>Fibre Channel Host Bus Adapter</b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>
<p><b>Ultrium 3584 UltraScalable</b> Tape Library with Native FC Ultrium 2 drive models.</p> <p><b>Ultrium 3583 Scalable</b> Tape Library with Native FC Ultrium 2 drives.</p> <p><b>Ultrium 3583 Scalable</b> Tape Library with Integrated SDG Module</p> <p><b>Ultrium 3582</b> Tape Library with Native FC Ultrium 2 drives.</p>	<p><b>United Linux 1.0</b><sup>11</sup></p> <ul style="list-style-type: none"> <li>• SuSE Linux Enterprise Server 8</li> </ul>	<p>Available</p>

<sup>10</sup> Native Fibre Ultrium 2 LTO® tape drives and 3592 drives are supported on the on 2045-N16 director. All other Native Fibre Tape drives require IBM San Switch models F32, H16, H08 in Interoperability Mode for Arbitrated Loop Support.

<sup>11</sup> Details for Linux support on pSeries and RS/6000 can be found at: [http://www-1.ibm.com/servers/eserver/pseries/hardware/linux\\_facts.pdf](http://www-1.ibm.com/servers/eserver/pseries/hardware/linux_facts.pdf)

### IBM iSeries Servers

Description	Platform/Operating Systems	Additional Information
<p><b>Enterprise Tape System</b>  <a href="#">3592 J1A</a> in a 3494 or 3584 Tape Library, stand alone or rack mounted.</p> <p><b>Ultrium <a href="#">3584 UltraScalable</a></b> Tape Library with Native FC Ultrium 1 and 2 drive models.</p> <p><b>Ultrium <a href="#">3583 Scalable</a></b> Tape Library with Native FC Ultrium 2 drives.</p> <p><b>Ultrium <a href="#">3582</a></b> Tape Library with Native FC Ultrium 2 drives.</p>	<p>iSeries and eServer i5</p> <ul style="list-style-type: none"> <li>• 270</li> <li>• 800</li> <li>• 810</li> <li>• 820</li> <li>• 825</li> <li>• 830</li> <li>• 840</li> <li>• 870</li> <li>• 890</li> <li>▪ 520 <sup>12</sup></li> <li>▪ 550 <sup>13</sup></li> <li>▪ 570 <sup>14</sup></li> </ul> <p><b>OS/400</b></p> <ul style="list-style-type: none"> <li>• V5R2 or later</li> </ul>	<p>Available</p> <p><b>iSeries SAN <a href="#">information</a>.</b></p>

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<sup>12</sup> V5R3 or later

<sup>13</sup> V5R3 or later

<sup>14</sup> V5R3 or later

**IBM xSeries, Netfinity Servers and other Intel-based Servers**

Description	Operating Systems	Additional Information
<p><b>Enterprise Tape System <a href="#">3592 J1A</a></b> in a 3494 or 3584 Tape Library, rack mounted or Silo Compatible Frame.</p> <p><b>Enterprise Tape System <a href="#">3590 E11/E1A</a> and <a href="#">H11/H1A</a></b> with Native FC Tape Drives. Standalone or in a 3494 Tape Library</p> <p><b>Ultrium <a href="#">3584 UltraScalable</a></b> Tape Library with Native FC Ultrium 2 drives.</p>	<p><b>Microsoft Windows NT</b></p> <ul style="list-style-type: none"> <li>• Server 4.0</li> <li>• Server 4.0 Enterprise Edition</li> </ul> <p><b>Microsoft Windows 2000</b></p> <ul style="list-style-type: none"> <li>• Server</li> <li>• Advanced Server</li> <li>• Datacenter Server</li> </ul> <p><b>Microsoft Windows 2003 Server</b></p> <ul style="list-style-type: none"> <li>• Standard Edition</li> <li>• Enterprise Edition</li> <li>• Datacenter Edition</li> <li>• Web Edition</li> </ul>	<p>Available.<sup>15</sup></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>
<p><b>Ultrium <a href="#">3583 Scalable</a></b> Tape Library with Native FC Ultrium 2 drives.</p> <p><b>Ultrium <a href="#">3583 Scalable</a></b> Tape Library with Integrated SDG Module</p> <p><b>Ultrium <a href="#">3582</a></b> Tape Library with Native FC Ultrium 2 drives.</p>	<p><b>Red Hat Enterprise Linux</b></p> <ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul> <p><b>United Linux 1.0</b></p> <ul style="list-style-type: none"> <li>• SuSE Linux Enterprise Server 8</li> <li>• Turbolinux Enterprise Server 8</li> <li>• Connectiva Enterprise Edition</li> </ul>	<p>Available.</p> <p>Please review <a href="#">RMSS Technical Support</a> Site.</p>

<sup>15</sup> Native Fibre Ultrium 2 LTO tape drives and 3592 drives are supported on on the 2045-N16 director. All other Native Fibre Tape drives require IBM San Switch models F32, H16, H08 in Interoperability Mode for Arbitrated Loop Support.

**SUN microsystems Servers**

Description	Operating Systems	Additional Information
<p><b>Ultrium <a href="#">3583 Scalable</a></b> Tape Library with Integrated SDG Module</p>	<p><b>Solaris</b></p> <ul style="list-style-type: none"> <li>• 2.6</li> <li>• 7</li> <li>• 8</li> <li>• 9</li> </ul>	<p>Available. <sup>16</sup></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p>
<p><b>Enterprise Tape System <a href="#">3592 J1A</a></b> in a 3494 or 3584 Tape Library, rack mounted or Silo Compatible Frame.</p> <p><b>Enterprise Tape System <a href="#">3590 E11/E1A</a> and <a href="#">H11/H1A</a></b> with Native FC Tape Drives. Standalone or in a 3494 Tape Library</p> <p><b>Ultrium <a href="#">3584</a> UltraScalable</b> Tape Library with Native FC Ultrium 2 drives.</p> <p><b>Ultrium <a href="#">3583 Scalable</a></b> Tape Library with Native FC Ultrium 2 drives.</p> <p><b>Ultrium <a href="#">3582</a></b> Tape Library with Native FC Ultrium 2 drives.</p>	<p><b>Solaris</b></p> <ul style="list-style-type: none"> <li>• 7</li> <li>• 8</li> <li>• 9</li> </ul>	<p>Available.</p>

<sup>16</sup> Native Fibre Ultrium 2 LTO tape drives and 3592 drives are supported on the 2045-N16 director. All other Native Fibre Tape drives require IBM San Switch models F32, H16, H08 in Interoperability Mode for Arbitrated Loop Support.

**Hewlett-Packard Servers – HP- UX**

Description	Operating Systems	Additional Information
<p><b>Enterprise Tape System <a href="#">3592 J1A</a></b> in a 3494 or 3584 Tape Library, rack mounted or Silo Compatible Frame.</p> <p><b>Enterprise Tape System <a href="#">3590 E11/E1A</a> and <a href="#">H11/H1A</a></b> with Native FC Tape Drives. Standalone or in a 3494 Tape Library</p> <p><b>Ultrium <a href="#">3584 UltraScalable</a></b> Tape Library with Native FC Ultrium 2 drives.</p> <p><b>Ultrium <a href="#">3583 Scalable</a></b> Tape Library with Native FC Ultrium 2 drives.</p> <p><b>Ultrium <a href="#">3583 Scalable</a></b> Tape Library with Integrated SDG Module</p> <p><b>Ultrium <a href="#">3582</a></b> Tape Library with Native FC Ultrium 2 drives.</p>	<p><b>HP-UX</b></p> <ul style="list-style-type: none"> <li>• 11.0</li> <li>• 11i</li> </ul>	<p>Available. <sup>17</sup></p> <p><b>Fibre Channel <a href="#">Host Bus Adapter</a></b> firmware and driver level matrix.</p> <p>For more information about the <b>IBM TotalStorage SAN n-type director</b> visit <a href="http://www.ibm.com/totalstorage/san/n-type">www.ibm.com/totalstorage/san/n-type</a></p> <p>For specific details and restrictions please see the <a href="#">readme</a> file.</p>

<sup>17</sup> Native Fibre Ultrium 2 LTO tape drives and 3592 drives are supported on the 2045-N16 director. All other Native Fibre Tape drives require IBM San Switch models F32, H16, H08 in Interoperability Mode for Arbitrated Loop Support.



## NETWORK ATTACHED STORAGE ([NAS](#))

2045-N16 is interoperable with:

NAS Gateway 300G

- 5196 Model G26
- 5196 Model G27

NAS Gateway 500

- 5198 Model 001

## IBM eServer [BladeCenter](#)<sup>™</sup>

BladeCenter with 2.x Switch Module Firmware

- 2-port FC Switch Module (Part #: 48P7062)
- Optical Pass-thru Module

## SAN VOLUME CONTROLLER ([SVC](#))

2045-N16 is interoperable with:

- SVC 2145 V1.2.0

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