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# Quantum NDX NAS Quick Start Guide

This quick start guide provides basic installation and configuration instructions for the NDX NAS system. For more information, see the Quantum NDX NAS Tower User's Guide and NDX NAS 1U Rack User's Guide on the documentation CD provided with your system.

This instruction uses the following conventions:

**Note:** Notes emphasize important information related to the main topic.

**Caution:** Cautions indicate potential hazards to equipment and are included to prevent damage to equipment.

**WARNING:** Warnings indicate potential hazards to personal safety and are included to prevent injury.

For the latest Tech Bulletins please go to :http://cp-quantum.kb.net

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### **Configuring NDX NAS for First Time**

To configure your NDX NAS for the first time, follow the steps below.

- 1 Attach your NDX NAS System to a keyboard, monitor and mouse.
- 2 Connect to your network by attaching an Ethernet cable to one of the Ethernet ports on the rear of the unit—closest to the graphics or video port.
- **3** Plug the power cord into the system and power on the unit.

**Caution:** Do not unplug the device during start up - it may cause the Microsoft setup process to fail.

The unit boots up showing the Quantum logo, the RAID Configuration, and then the Quantum Logo again.

Microsoft Windows begins initial setup and shows a message **Setup Installing Devices**.

The unit reboots.

- 4 Provide your Country, Language, and Regional Settings.
- 5 Input the Windows Product Key from the Windows sticker located on the unit. If connected to the Internet, check the box to automatically register and activate Windows.
- 6 Check the box I accept License Terms if you accept the Microsoft Software License Terms shown, and click Start.
- 7 Provide a New Password.

**Note:** This system is RAID 5 factory configured to protect against failure of any single disk. The resulting usable storage of this system is approximately 5.4TB

### **Other Initial Configuration Options**

Using the Initial Configuration Tasks screen as shown below in <u>Figure 1</u>, perform the following tasks: Activate Windows, set the time zone, configure networking, provide a computer and domain name, enable automatic updates, and download and install updates.

**Note:** Some of the configuration tasks will require a reboot to take effect. It is not necessary to reboot the server until all the desired configuration tasks are completed.

Figure 1 Initial Configuration Tasks Screen

Initial Configuration Tasks		
Perform the following config	guration tasks	
Activate Windows		
Activate Windows	Product ID	Loading
Provide Computer Information		
Set time zone	Time Zone	(UTC-08:00) Pac
Configure networking	Local Area Connection	Not connecte
	Local Area Connection 2	IPv4 address
Provide computer name and domain	Full Computer Name	WIN-2IK82G4S
	Workgroup	WORKGROUP
Update This Server		
Enable automatic updating and feedback	Updates	Not configure
	Feedback	Windows Err
		Not participat.
Oownload and install updates		
Provision Storage		
Configure storage array		1
Provision a volume	Disk 0	Online: 5.46

#### NDX NAS Quick Start Guide

Activating Windows Operating System	Note: You must be connected to the internet to complete Windows activation.
	If the Activate Windows section of the screen is viewable, then Windows is not yet activated. Follow the steps below to activate Windows:
	1 Choose Activate Windows Online.
	The Activation Successful dialog box displays.
	2 Click Close.
Setting Date /Time on	1 Click <b>Set Time Zone</b> to set the correct time and time zone.
Server	2 Click Change Date and Time to set the time.
	3 Click Change Time Zone to set your time zone.
	<b>4</b> Click <b>OK</b> in each dialog box when done.
Configuring Networking	Network settings are automatically configured in Windows Storage Server Workgroup 2008 R2 using DHCP to assign IP addresses by default.
_	To configure a static IP address, do the following:
	1 From the Initial Configure Tasks screen, click <b>Configure Networking</b> (see Figure 1).
	Note: Alternately, in Server Manager click View Network Connections.
	2 Right click the network connection that you want to configure, and select Properties.
	3 Double click Internet Protocol Version 4 (TCP/IPv4), and then click Properties.
	4 On the General tab, click Use the following IP address.
	5 In the IP address field, type the IP address that you want to use.
	6 Press the Tab key to place the cursor in Subnet mask.
	A default value for subnet mask is entered automatically.
	7 Either accept the default subnet mask, or type the subnet mask that you want to use.
	8 In <b>Default gateway</b> , type the IP address of your default gateway.
	<b>9</b> In <b>Preferred DNS server</b> , type the IP address of your DNS server. If you plan to use the local computer as the preferred DNS server, type the IP address of the local computer.
	10 In Alternate DNS Server, type the IP address of your alternate DNS server, if any. If you plan to use the local computer as an alternate DNS server, type the IP address of the local computer.
	11 Click <b>OK</b> , and then click <b>Close</b> .

Specifying Computer (or failover cluster) and Domain Names

1 Click Provide Computer Name and Domain.

The System Properties screen displays.

	For successing server
	"Accounting Server".
ull computer name:	Engineering
Vorkgroup:	WORKGROUP

2 In the **Computer Description** field, type the description of the server, for example, Engineering Server.

#### 3 Click Change.

The Computer Name/Domain Changes screen displays.

Compu	iter Name/Domain Changes	×
You c compu More i	an change the name and the membership of this uter. Changes might affect access to network resources. Information	
Comp	uter name:	_
engin	leering	
Full co engine	omputer name: eering	-
	More	
Men	nber of	
0	Domain:	
œ	Workgroup:	
	QUANTUM.COM	
	OK Cancel	

- 4 To change the **Computer name**, type in the new name.
- 5 In the Member of section, choose one of the following:
  - Click **Workgroup** and type the workgroup name you wish to join.
  - Click **Domain** and choose the domain you want to join.

You are prompted to type your user name and password for that domain.

Computer N Enter the nam	ame/Domain Changes are and password of an account with permission to jo	in the domain.
	jdoe	
	•••••	
	Domain: quantum.com	
		-

#### 6 Click OK.

If successful you may be prompted to restart the computer.

#### Enabling Windows Automatic Updates

To allow Windows to get the latest updates automatically, do the following:

1 Click Enable Windows automatic updating and feedback or choose to Manually configure settings.

Manual configuration allows you to control download and installation of updates and to control whether error reports are sent automatically or if you are prompted first. You can also choose to participate in the Customer Experience Improvement Program.



2 Click Close.

#### Installing Important Windows Updates

- **Note:** Two types of updates are offered from Microsoft—important updates (mostly security) and optional updates (driver and hardware related updates).Updates should be installed regularly to keep the system up-to-date.
- 1 Click Download and Install Updates.
- 2 Click the links describing how many of each type of update are available to add or remove updates from installation.

3 Click Install Updates to complete the download and install process.

#### Windows Update

Downloading up	dates	
Downloading 1 up	date (35.5 MB total, 59% complete)	
		Stop download
Nost recent check for updates:	Today at 3:40 PM	
Indates were installed:	Never	
opuates were installed.		

**Provision Storage** 

No action is required. Storage is already provisioned at the factory.

١

## **Configuring Remote Desktop**

Once you configure the remote desktop, you are able to remotely manage the NDX NAS unit from a computer running the Windows operating system.

- 1 Access the Server Manager from the icon next to the Start button.
- 2 With Server Manager highlighted in the left pane, click **Configure Remote Desktop**—found in the small box to the right in the Computer Information section.

Remote Assistance -		
Allow Remote As	sistance connections to this	: computer
		Advanced
Pomoto Dealster		
Nemote Desktop		
Click an option, and t	then specify who can conne	ect, if needed.
Click an option, and t	then specify who can conne ections to this computer	ect, if needed.
Click an option, and t	then specify who can conne ections to this computer	ect, if needed.
Click an option, and t Don't allow connection Remote Desktop	then specify who can conne ections to this computer s from computers running ar (less secure)	ect, if needed. ny version of
Click an option, and t Don't allow connection Remote Desktop O Allow connection Desktop with Net	then specify who can conne ections to this computer s from computers running ar (less secure) s only from computers runnir twork Level Authentication (	ect, if needed. ny version of ng Remote (more secure)

There are three choices for allowing Connections via remote desktop.

- **3** Select your desired connection.
- 4 Click the Select Users button.
- 5 Click Add User.

The Remote Desktop screen displays.

ninistrator alm	eady has access.		
Add	Remove		
		are to other aroune of	to Contro

6 Click Add.

The Select Users screen displays.

elect Users	?
Select this object type:	
Users or Built-in security principals	Object Types
From this location:	
ENGINEERING1	Locations
Enter the object names to select ( <u>exan</u>	nples):
jdoe	Check Names
Advanced	OK Cancel

7 Enter the user or group name and click check names.

The Check Names screen displays.

elect Users		?
Select this object type:		
Users or Built-in security principals		Object Types
From this location:		
ENGINEERING1		Locations
Enter the object names to select (example	<u>es</u> ):	
ENGINEERING1\jdoe		Check Names
Advanced	0	K Cancel

The user name is validated.

8 Add the users who should have ability to manage the NDX remotely.

**Note:** Any users that are members of the Administrators group can connect even if they are not specifically listed.

9 Click OK.

If successful, the added user should appear as depicted below.

Remote Desktop Users	? ×
The users listed below can connect to this comp the Administrators group can connect even if the	uter, and any members of y are not listed.
<b>S</b> idoe	
Administrator already has access.	
Add Remove	
To create new user accounts or add users to oth Panel and open <u>User Accounts</u> .	er groups, go to Control
C	OK Cancel

## Adding Role of File Services

If File Services is not present under Roles, follow the steps below to add this role. Otherwise skip to next section.

1 Click **Roles**. Then on the right hand side of the screen click **Add Roles**.

Roles Summary	Roles Sur	mmary Hel
Roles: 2 of 17 installed	Add Raphe	<u>s</u>
<ol> <li>File Services</li> </ol>	Remove i	Roles
Web Server (IIS)		
	The Before You Begin screen displays asking you to verify that:	
	<ul> <li>The administrator account has a strong password.</li> </ul>	
	<ul> <li>Network settings are configured.</li> </ul>	
	All security updates are installed.	
	2 Click Next.	
	The File Services screen displays.	
Add Roles Wizard		×
Add Roles Wizard File Services		×
Add Roles Wizard File Services Before You Begin	Introduction to File Services	×
Add Roles Wizard File Services Before You Begin Server Roles	Introduction to File Services File Services provides technologies that help manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX dient computers. With File Services, organizations can	×
Add Roles Wizard File Services Before You Begin Server Roles File Services	Introduction to File Services File Services provides technologies that help manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX client computers. With File Services, organizations can store files in a central location and then share them with users across the company network. You can index these shared files to belo users find files quickly. In addition, you can swordpropize folders on multiple servers to	×
Add Roles Wizard File Services Before You Begin Server Roles File Services Role Services	Introduction to File Services File Services provides technologies that help manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX client computers. With File Services, organizations can store files in a central location and then share them with users across the company network. You can index these shared files to help users find files quickly. In addition, you can synchronize folders on multiple servers to provide fault-tolerant access to shared resources. File Services also enables you to provision storage on Fibre	×
Add Roles Wizard File Services Before You Begin Server Roles File Services Role Services Confirmation	Introduction to File Services File Services provides technologies that help manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX dient computers. With File Services, organizations can store files in a central location and then share them with users across the company network. You can index these shared files to help users find files quickly. In addition, you can synchronize folders on multiple servers to provide fault-tolerant access to shared resources. File Services also enables you to provision storage on Fibre Channel and iSCSI disk storage subsystems.	×
Add Roles Wizard File Services Before You Begin Server Roles File Services Role Services Confirmation Progress	Introduction to File Services         File Services provides technologies that help manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX client computers. With File Services, organizations can store files in a central location and then share them with users across the company network. You can index these shared files to help users find files quickly. In addition, you can synchronize folders on multiple servers to provide fault-tolerant access to shared resources. File Services also enables you to provision storage on Fibre Channel and iSCSI disk storage subsystems.         Things to Note	×
Add Roles Wizard File Services Role Services Confirmation Progress Results	<b>Introduction to File Services</b> File Services provides technologies that help manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX client computers. With File Services, organizations can store files in a central location and then share them with users across the company network. You can index these shared files to help users find files quickly. In addition, you can synchronize folders on multiple servers to provide fault-tolerant access to shared resources. File Services also enables you to provision storage on Fibre Channel and iSCSI disk storage subsystems. <b>Things to Note ①</b> Windows Search Service and Indexing Service cannot be installed on the same computer.	×
Add Roles Wizard File Services Before You Begin Server Roles File Services Role Services Confirmation Progress Results	<ul> <li>Introduction to File Services</li> <li>File Services provides technologies that help manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX dient computers. With File Services, organizations can store files in a central location and then share them with users across the company network. You can index these shared files to help users find files quickly. In addition, you can synchronize folders on multiple servers to provide fault-tolerant access to shared resources. File Services also enables you to provision storage on Fibre Channel and iSCSI disk storage subsystems.</li> <li>Things to Note</li> <li>Windows Search Service and Indexing Service cannot be installed on the same computer.</li> <li>Additional Information</li> </ul>	×
Add Roles Wizard File Services Before You Begin Server Roles File Services Role Services Confirmation Progress Results	Introduction to File Services         File Services provides technologies that help manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX client computers. With File Services, organizations can store files in a central location and then share them with users across the company network. You can index these shared files to help users find files quickly. In addition, you can synchronize folders on multiple servers to provide fault-tolerant access to shared resources. File Services also enables you to provision storage on Fibre Channel and iSCSI disk storage subsystems.         Things to Note <ul> <li>Windows Search Service and Indexing Service cannot be installed on the same computer.</li> <li>Additional Information</li> <li>File Services Overview</li> </ul>	×

#### 3 Click Next.

The Select Server Roles screen displays.

Add Roles Wizard	ver Roles	
Before You Begin Server Roles File Services Role Services Confirmation Progress Results	Select one or more roles to install on this server.         Roles:	Description: File Services provides technologies that help you manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX client computers.
	< Previous	Next > Install Cancel

4 Check Files Services and click Next.

The Files Services Introduction screen displays.

Add Roles Wizard	x
File Services	
Before You Begin Server Roles File Services	Introduction to File Services File Services provides technologies that help manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX client computers. With File Services, organizations can store files in a central location and then share them with users across the company network. You can index
Role Services Confirmation	these shared files to help users find files quickly. In addition, you can synchronize folders on multiple servers to provide fault-tolerant access to shared resources. File Services also enables you to provision storage on Fibre Channel and iSCSI disk storage subsystems.
Progress	Things to Note
Results	🕕 Windows Search Service and Indexing Service cannot be installed on the same computer.
	Additional Information
	File Services Overview
	Share and Storage Management
	Distributed File System Management
	< Previous Next > Install Cancel

5 Click Next.

The Select Server Roles screen displays.

Add Roles Wizard		×
Select Role	Services	
Before You Begin Server Roles File Services	Select the role services to install for File Services: Role services:	Description: <u>File Server</u> manages shared folders
Role Services Confirmation Progress Results	<ul> <li>Distributed File System</li> <li>DFS Namespaces</li> <li>DFS Replication</li> <li>File Server Resource Manager</li> <li>Services for Network File System</li> <li>Windows Search Service</li> <li>Windows Server 2003 File Services</li> <li>Indexing Service</li> <li>BranchCache for network files</li> </ul>	this computer from the network.
	< Previous	Next > Install Cancel

6 Check File Server, if needed, and click Next.

The Confirm Installation Selections screen displays

Add Roles Wizard		X
Confirm Installa	ation Selections	
Before You Begin Server Roles File Services Role Services	To install the following roles, role services, or features, click Install.	-
Progress Results	File Server         Print, e-mail, or save this information               Previous         Next >         Install N	

- 7 Confirm your installation selections and click Install.
  - The Installation Results screen displays.

Add Roles Wizard		×
Installation	Results	
Before You Begin Server Roles	The following roles, role services,	or features were installed successfully:
File Services	File Services	Installation succeeded
Role Services	The following role services wer	e installed:
Confirmation	File Server	
Progress		
Results		
	Print, e-mail, or save the installation	on report
		< Previous Next > Close Cancel

8 Click Close.

### Setting Up NDX as File Server

To use the NDX NAS devices as a file server, do the following:

- 1 In the Server Manager, double click Roles.
- 2 Double click File Services.

Note: If File Services does not appear then choose Add Roles and Add File Services.

3 Select Share and Storage Management.

The Share and Storage Management screen displays.

Server Manager										
e Action View Help										
🔿 🖄 📅 🛛 🖬										
Server Manager (WIN-2IK82G4SRL	ihare a	nd Storage M	lanageme	nt						
Roles	Charge	1							Act	tions
Hie Services      File Services          File Services          File Services          File Services	Janes	Volumes							Sh	are and Storage Management
	10 entri	ies							-	Provision Storage
Features		Share Na	Protocol	Local Path	Quota	File Scr	Shado	Free S		The vision storage
Diagnostics		Protocol: SMB (10 items)						23	Provision Share	
Configuration			(IV ICCIIIS)	0				101.00	-	Manage Sessions
Storage	83-0	ADMINS	SMB	C:\windows				184 GB	-	Manage Open Files
	83.0	AlQRemot	SMB	C:\Program Files				184 GB	-	Manu
	82.0	CS	SMB	C:\				184 GB	_	view
	22	D	SMB	D:\				2.86 TB	Q	Refresh
	92.0	D\$	SMB	D:\				2.86 TB	?	Help
	22.0	E\$	SMB	E:\				2.40 TB		
	23	Engineering	SMB	D:\Engineering				2.86 TB	1	
	22	IPC\$	SMB					2		
	92.0	LAPTOPS	SMB	D:				2.86 TB		

4 In the Actions pane (to the right), click **Provision Share** to start the Provision Shared Folder Wizard.

Provision a Shared Fold	er Wizard				
Shared Fold	er Location				
Steps:	Const the ful				
Shared Folder Location	and space, se	lect an existing folde	r or create a new one.	n appropriate characteristics f an appropriate volume does	
NTFS Permissions	not exist, click	Provision Storage a	nd create one.		
Share Protocols					
Review Settings and Create Share	D:\Engineerin	ng		Browse	
Confirmation	Available volu	mes			
	Volume	Capacity	Free Space	Туре	
	OS (C:)	195 GB	184 GB	Simple	
	Details Volume: Shadow co Indexing: Highly ava	OS (C:) opies: Not configur Unknown ilable server: Volur	red ne is not clustered		
				Provision Storage < Previous Next >	Cancel

5 Type the folder name you wish to create on the D: drive, for example D:\Engineering.

**Note:** The folder string must be in the **D**:\<**Folder Name>** format for it to be an accepted entry.

6 Click Next.

A pop-up window opens stating that the folder does not exist.

7 Click **Yes** to create the folder.

The NTFS Permission screen displays.

🙀 Provision a Shared Fold	er Wizard	
NTFS Permi	ssions	
Steps:	Specify NTES permissions to control how individual users and groups access this folder	
Shared Folder Location	locally. For network access to a shared folder, the more restrictive of the NTFS	
NTFS Permissions	level of access granted to users and groups.	
Share Protocols Review Settings and Create Share	Path:	
Confirmation	e:\marketing         Do you want to change the NTFS permissions for this folder?         Image: No, do not change NTFS permissions         Image: Yes, change NTFS permissions         To change NTFS permissions, click Edit Permissions.         Edit Permissions	
	For more information about sharing and permissions, see <u>Managing Permissions</u> for Shared Folders.	
	< Previous Next >	Cancel

8 Select No, do not change NTFS permissions option button, and click Next to continue.

The Shared Protocols screen displays.

r Wizard	
ols	
Calent and antend anothick many and anothic shared folder	
Select each protocol over which users can access this shared folder.	
Share name:	
Share path:	
\\ENGINEERING\Engineering	
Share name:	
Share nath:	
sensio pauri.	
Services for NFS is not installed on this server.	
< Previous Next >	Cancel
	r Wizard  DIS  Select each protocol over which users can access this shared folder.  ✓ SMB Share name:  Engineering Share path:  \\LENGINEERING\Engineering NFS Share name: Share path:  Share path:  Arrey of the server.

9 Check the SMB button and type the share name, for example: Engineering.

10 Click Next.

The SMB Settings displays.

💏 Provision a Shared Fold	er Wizard	>
SMB Setting	5	
Steps:	Specify how this shared folder is to be used by clients accessing it over the SMB	
Shared Folder Location	protocol. You can use the description to add comments about how the shared folder is used. You can also control advanced SMB settings including the maximum.	
NTFS Permissions	connections allowed, access-based enumeration, and offline availability.	
Share Protocols		
SMB Settings	Share path:	
SMB Permissions		
DFS Namespace Publishing	Description:	
Review Settings and Create Share		
Confirmation		
	Advanced settings         User limit:       Maximum allowed         Access-based enumeration:       Disabled         Offline settings:       Selected files and programs available offline         To change these settings, click Advanced.       Advanced	Connect
	< Previous Next >	Cancel

**11** Click **Next** to accept the default settings or click advanced to set the maximum number of users allowed.

#### The SMB Permissions screen displays.

👼 rovision a Shared Folde	er Wizard	
SMB Permiss	sions	
Steps: Shared Folder Location NTFS Pemissions Share Protocols SMB Settings SMB Pemissions DFS Namespace Publishing Review Settings and Create Share	Specify share permissions for SMB-based access to the shared folder. For network access to a shared folder, the more restrictive of the share permissions and NTFS permissions determine the level of access granted to users or groups.         Share path:         \\ENGINEERING\Engineering         Select one of the following basic share permissions or create custom share permissions.         \C         All users and groups have only Read access	
Confirmation	<ul> <li>Administrators have Full Control; all other users and groups have only Read access</li> <li>Administrators have Full Control; all other users and groups have only Read access and Write access</li> <li>Users and groups have custom share permissions:         <ul> <li>Permissions</li> </ul> </li> <li>For more information about sharing and permissions, see <u>Managing Permissions</u> for Shared Folders.</li> </ul>	
	< Previous Next >	Cancel

- 12 Choose the permissions you wish to grant to users. Under custom permissions you can select specific users or groups to provide the types of access you wish.For example, you might want to provide only the group Engineering with read and write access.
- 13 Click Next.

The DFS Namespace Publishing screen displays.

**Note:** If you need more information on this topic, click the Namespace link in blue as depicted in screen below.

📸 Provision a Shared Folde	er Wizard	<u> </u>
DFS Names	pace Publishing	
Steps: Shared Folder Location NTFS Permissions Share Protocols SMB Settings SMB Permissions	You can publish an SMB share to a DFS namespace by specifying an existing namespace and the folders you want to create in the namespace. The last folder in the namespace path will have the new share as a folder target.  Publish the SMB share to a DFS namespace Parent folder in namespace:	
DFS Namespace Publishing Review Settings and Create Share Confirmation	Browse         Example: \\Domain\Name\Folder         New folder name:         Example: Name or NewFolder\Name         Preview of namespace path:         For more information about DFS Namespaces, see Namespaces.	
	< Previous Next >	Cancel

14 Click Next.

The Review Settings screen displays.



**Note:** if changes need to be made, click < **Previous** to return to the previous screens and make the necessary changes.

#### NDX NAS Quick Start Guide

A message displays that you have successfully complete the Provision a Shared Folder Wizard.



16 Click Close.

### Helpful Links

Quantum Technical Support USA 800-284-5101 EMEA 00800-4-782-6886 APAC +800 7826 8887 Worldwide: http://www.quantum.com/ServiceandSupport

Microsoft Technet http://Technet.microsoft.com

Windows Storage Server 2008 R2 Getting Started Guide http://technet.microsoft.com/en-us/library/gg214166(WS.10).aspx

Windows Storage Server 2008 R2 Standalone Storage http://technet.microsoft.com/en-us/library/gg232694(WS.10).aspx

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 For assistance, contact the Quantum Customer Support Center:

 USA:
 800-284-5101 (toll free) or 949-725-2100

 EMEA:
 00800-4-782-6886 (toll free) or +49 6131 3241 1164

 APAC:
 +800 7826 8887 (toll free) or +603 7953 3010

 Worldwide:
 http://www.quantum.com/ServiceandSupport

# Quantum

Preserving the World's Most Important Data. Yours.™

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#### About Quantum

Quantum Corp. (NYSE:QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. This includes the DXi <sup>™</sup>-Series, the first disk backup solutions to extend the power of data deduplication and replication across the distributed enterprise. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.