

# Installation Guide

## XenData6 Server Software

### 6.11 Release

Updated: December 20, 2013

## Operating System Requirements

XenData6 Server version 6.11 is released for use with Windows Server 2012 R2, Windows Server 2008 R2 and Windows 7 X64 Professional Edition.

## File Server Preparation

Before installing XenData6 Server software, prepare the server as follows:

1. Install any Service Packs and the latest updates.
2. If using a Fibre Channel, SAS or SCSI HBA to connect to tape drives or libraries, ensure that one or more XenData certified cards are installed, together with the latest device drivers. Do not connect RAID or magnetic disk devices to any of the SAS or SCSI channels used to connect to the tape drives or libraries.
3. Ensure that the boot volume is on a disk that is formatted using the NTFS file system.
4. XenData6 Server software requires a dedicated magnetic disk logical drive on the server. Ensure that the drive letter that will be used as the XenData Archive is on a volume that is formatted using NTFS and, for non-clustered systems, is configured as a 'dynamic disk'. To configure a dynamic disk, do this:

For Windows Server 2008 R2 and Windows 7:

- Right-click on '*Computer*' in the Start menu and select '*Manage*'.
- Expand '*Storage*' in the left pane.
- Click on '*Disk Management*'.
- Find the disk that contains the XenData Archive drive letter in the list at the bottom of the right pane.
- If the disk is shown as '*Basic*', right-click on it and select '*Upgrade to Dynamic Disk...*'

For Windows Server 2012 R2:

- Right-Click on the **Start** button, located in the lower-left hand corner of the screen
- Click on '*Disk Management*'
- Find the disk that contains the XenData Archive drive letter in the list at the bottom of the right pane.
- If the disk is shown as '*Basic*', right-click on it and select '*Upgrade to Dynamic Disk...*'

5. Ensure that the drive letter that will be used as the XenData Archive is empty of all files. If files have been previously written to it, a quick format should be performed.
6. Disable the recycle bin on the drive letter to be used as the XenData Archive.
  - Right-click on 'Recycle Bin' and select 'Properties'.
  - For the XenData Archive drive letter, select the 'Do not move files to the Recycle Bin. Remove files immediately when deleted' and click 'OK'.

## XenData Software Installation

Installation has six steps:

1. Install XenData6 Server software using the setup wizard.
2. Install device drivers for the tape library and tape drives.
3. Define the drive letter for the XenData Archive.
4. Run the XenData License Administration Utility.
5. Run the XenData Hardware Configuration utility.
6. Reboot the server.

You will need a XenData license Activation Code for the last step. Licensing is easier if you have Internet access on the file server that you will be licensing, but the XenData License Administration program provides alternative ways of obtaining a license code if Internet access is not available.

### Step 1: Install XenData6 Server Software

Ensure that the tape library and/or drive is powered and connected to the server. Double click XenData setup application file and follow the instructions provided by the setup wizard accepting defaults including 'install' of XenData device drivers. Then reboot the server.

### Step 2: Install Device Drivers

See the hardware specific section of the XenData web site at <http://www.xendata.com/support/> for device driver installation details. Note that it will normally be necessary to install device drivers for any stand-alone tape drives, tape libraries and all drives installed in the libraries.

### Step 3: Define the Drive Letter for the XenData Archive

Define the drive letter that will be controlled by the XenData6 Server software using Microsoft Explorer to open *<boot drive>\Program Files\XenData\Archive Series\Drives.msc*. Select the drive to be controlled, click 'Activate' and then close the Drives window.

### Step 4: Run License Administration


XenData6 Server software is licensed for a particular type of tape library, including the number of slots in the library and the type of drives. A XenData Activation Code is required to run the software and this enables the chosen tape library / tape drive configuration type.

Open the XenData License Administration utility.. The License Administration detects the unique identity for the machine and prompts you to enter the XenData Activation Code.

For Windows Server 2008 R2 and Windows 7:

1. Click **Start**
2. Click **Programs**
3. Click **XenData**
4. Click **XenData License Administration**

For Windows Server 2012 R2:

1. Click on the **Start** button, located in the lower-left hand corner of the screen
2. Click the arrow  near the lower-left corner of the Start screen.
3. Click on **XenData License Administration** shown under the XenData category

When Internet connectivity is available for the server, select 'Internet' as the Activation Option, enter the Activation code in the appropriate box and then select 'OK'. A digitally signed activation file is then automatically generated and transferred to the target server. This completes the licensing process.

If Internet access is not available for the server being licensed but is available on another machine, perform the following steps:

1. Select the 'Generate request for license' option and click *Apply*.
2. The License Administration program prompts you for a file name. Choose a convenient name for the file and click *Save*.
3. Transfer the file that you have just saved to a different machine that has Internet access.
4. Open the file in your Web browser by double clicking on it.
5. Right-click on the link in the file you have just opened and select '*Save target as...*' and select a location to save your license file.
6. Copy the saved license file back to the server that is being licensed.
7. In the license administration utility, select the 'Import file' option and click *Apply*.
8. Browse to the saved XML license file and open it.

Alternatively if no Internet access is available, please contact XenData Technical Support with the machine ID. A suitable digitally signed activation file will be returned. Save the activation file, select '*Import File*' as the Activation Option and then select '*OK*'. Browse to the supplied activation file and click '*OK*'. This completes the licensing process.

#### Step 5: Run the XenData Hardware Configuration Utility

This step is normally only required if one or more stand-alone tape drives are included in the server configuration. If this is not the case, move to step 6.

The XenData Hardware Configuration Utility allows the administrator to control which hardware will be controlled by XenData6 Server software. By default, the system will use all the tape libraries that it detects but will not use stand-alone tape drives.

Use Microsoft Explorer to open *<boot drive>\Program Files\XenData\Archive Series\HWConfig.exe*. Browse to the device you want to configure; right click on it and select 'Enable' or 'Disable' as appropriate.

#### Step 6: Reboot the Server

The software is now installed together with the Report Generator and Metadata Backup utility. The system will start after a reboot.