XenData Cloud File Gateway

R

Installation Guide

1	h	nstallation Prerequisites	3
	1.1	Compatible Operating Systems	. 3
	1.2	Computer Requirements	. 3
	1.3	Disk Requirements	. 3
	1.4	Cloud Storage Requirements	. 4
	1.5	XenData Licensing Requirements	. 4
	1.6	Antivirus Software Compatibility	. 4
2	h	nstallation Procedure	5
	2.1	Installing Cloud File Gateway	. 5
	2.2	Installing Multi-Site Sync or Change Feed Extension	. 6
	2.3	Next Steps	. 8
	2.4	Installing FS Mirror	. 9

1.1 Compatible Operating Systems

- Windows 10
- Windows Server 2012 R2
- Windows Server 2016
- Windows Server 2019
- Windows Server 2022

1.2 Computer Requirements

The computer running the Cloud File Gateway may be a physical or virtual machine running onpremises or may be a virtual machine instance within Microsoft Azure or Amazon EC2. Minimum specifications are:

- ✤ 1 core
- 8 GB RAM

In addition, please refer to Disk Requirements and Antivirus Software Compatibility.

1.3 Disk Requirements

The Windows computer on which the Cloud File Gateway is installed must be configured with at least two logical drives on magnetic or solid state disk:

- ✤ a system drive (usually C:) and
- ✤ a dedicated logical drive for the managed disk cache.

The dedicated logical drive should be formatted as blank. A quick format is adequate.

The Cloud File Gateway software is installed on the system drive but it requires minimal available capacity. The dedicated logical drive becomes the managed disk and is used for the following:

retention of files as defined by the XenData management policies
short-term read and write caching of files written to the object storage medium; and
file system metadata.

The dedicated logical drive must meet the following criteria:

✤ a single logical volume i.e. a single logical drive letter

- formatted in NTFS
- formatted as blank (A quick format is adequate.)

The maximum size of the dedicated logical disk volume is 256 TiB (281,475,070,097,328 bytes).

1. Installation Prerequisites

1.4 Cloud Storage Requirements

The system requires dedicated access to one or more of the following Object Storage accounts:

- a dedicated Microsoft Azure Storage Account with one of the following storage tiers
 Cool
 - 🛠 Hot
- ✤ a dedicated Amazon S3 Bucket
- ✤ a dedicated Wasabi S3 Bucket

The storage account name and an access key will be required for the installation.

1.5 XenData Licensing Requirements

The Cloud File Gateway licensing is based on the maximum capacity of managed Object Storage. XenData activation codes will be required for the Gateway and associated Alert Module at the time of installation.

1.6 Antivirus Software Compatibility

When installing anti-virus protection on the computer running the Cloud File Gateway software, it is important to choose an anti-virus (AV) solution that has been certified. The XenData software and AV software use file system filtering techniques and there may be undesirable interactions if you use an AV product that has not been certified.

For more information about certified AV products, please refer to the XenData Technical Note XTN1801 available in the support section of the XenData <u>website</u>.

Please check this guide to ensure that you are installing the XenData software on a machine that meets the installation prerequisites.

2.1 Installing Cloud File Gateway

1. Download the Cloud File Gateway installer.

2. Run XDCloudGatewayx64-v.vv.bbbb.xxx.msi (where v.vv is the version number, bbbb is the build number and xxx is a build type).

3. Click 'Next' on the first screen that appears, and then click in the box for 'I accept the terms in the License Agreement, before clicking 'Next' a second time.

4. For the setup type, click 'Typical' as this is recommended for most users. However if you are going to be installing Multi-Site Sync or Azure ChangeFeed, please skip to the <u>Multi-Site</u> <u>Sync/Azure ChangeFeed Installation</u> section.

5. Enter the Cloud File Gateway and Event Monitor activation codes as illustrated below; then click 'Next'.

- north	sing
Plea	ise enter your activation code
	XenData Archive Series: XenData Event Monitor:
	AS9F3BB71A EME355C927
	If you would like to receive notification of technical updates and maintenance renewals, please provide your contact details. We will only use your details for this purpose and will not provide them to any third party.
	Oper Hames
	Organization:
	Qrganization:
	Qrganization: Country: Email:

6. Select the drive letter that will become the managed disk cache and then click 'Next'.

D:			
X: (Cache)			
Vau can channe net te cal	ast a drive latter on	us and use the Driv	
after installation is comple	te. You must select	a drive letter bef	ore you can use the

- 7. Click 'Install' on the 'Ready to install XenData Cloud Gateway' screen.
- 8. Click 'Finish' on the 'Completed the XenData Cloud File Gateway' screen.
- 9. Click 'Yes' on the 'You must restart your system' screen.
- 10. The system will now reboot.

This completes installation of the Cloud File Gateway software.

2.2 Installing Multi-Site Sync or Change Feed Extension

1. Select 'Custom' installation when prompted with the choice shown below.

搅 XenData Cloud File Gateway (64 bit) Setup		_		×			
Choose Setup Type Choose the setup type that best suits your needs			(Ð			
			-				
Typical							
Installs the most common program features. Recommended for most users.							
Custom							
Allows users to choose which program features they will be installed. Recommended for advance	will be install ed users.	ed and i	where				
Complete							
All program features will be installed. Requires	he most disk	space.					
Back	Next		Cano	cel			

2. Select the optional components you wish to install such as 'XenData Sync Service' and click 'Will be installed on local hard drive' to enable this feature installation.

😹 XenData Cloud File Gateway (64 bit) Setup — 🗌 🗙								
Custom Setup Select the way yo	u want features to be installe	d.					8	
Click the icons in t	ne tree below to change the v	way fea	itures v	vill be in:	stalled.			
	oud File Gateway enData Alert Module enData Azure ChangeFeed enData AWS ChangeFeed enData Sync Service enData S3 Service enData Network API oplication optimization	Th yo su su ha	nis feat our haro Ibfeatu Ibfeatu ard driv	ure requ d drive. res sele res requ e.	uires 55 It has 0 cted. Th uire 0KB	94KB on) of 1 ne on your		
						Browse		
Reset	Disk Usage	Ba	ck	Ne	ext	Can	cel	

3. Multi-Site Sync has additional options available; if you require Global File Locking, or are intending to use Multi-Site Sync with applications that require optimizations, you will need to enable the installation of those features as well. Click the + next to the 'XenData Sync

Service' feature to expand the list, and enable those you require. Once enabled, select 'Next' and return to Step 5 of <u>Installing Cloud File Gateway</u>.

🖟 XenData Cloud File	e Gateway (64 bit) Setu	ıp		_		×		
Custom Setup Select the way you	u want features to be ins	stalled.			C	Ð		
Click the icons in the tree below to change the way features will be installed.								
	nData Sync Service Global file locking InData S3 Service InData Network API Oplication optimization Facilis Hub Server MS Office Premiere	^ >	This feat hard driv	ure requires 32 e.	8KB on yo	ur		
					Browse			
Reset	Disk Usage		Back	Next	Cano	el		

4. For the change feed services to work, they require configuration in the cloud storage provider interface, the changes that need to be made are detailed in technotes **XTN2301** and **XTN2302**, which can be found in the support section of the XenData <u>website</u>.

2.3 Next Steps

Next steps following installation of the software are:

- Configure access to an Object Storage Account using the Azure Storage Account Configuration utility or S3 Configuration Utility. These can be found by opening the Windows Start menu, and expanding the XenData folder.
- Configure storage policies using the Cloud Gateway Management Console.

For more information, please refer to the Cloud File Gateway User Manual.

2.4 Installing FS Mirror

FS Mirror is an optional licensed upgrade. It is licensed using a separate activation code that starts with 'FSM'. Install and activate the software as follows:

- 1. Download the FS Mirror installer software.
- 2. Run XDFilesystemMirrorx64-v.vv.bbbb.xx.msi (where v.vv is the version number, bbbb is the build number and xx is a build type).
- 3. Click 'Next' on the first screen that appears.
- 4. Click in the box for 'I accept the terms in the License Agreement, then click 'Next'.
- 5. For the setup type, click 'Typical' as this is recommended for most users.
- 6. Click 'Install' on the 'Ready to install XenData Filesystem Mirror' screen.
- 7. Click 'Finish' on the 'Completed the XenData Filesystem Mirror' screen.
- 8. Open the start menu, and select 'XenData Licensing'. This will open the 'XenData License Administration Utility'.
- 9. Type or paste your FS Mirror license into the Activation Code Box, deleting the any current content in the box.
- 10. Select 'Apply' to activate the license.
- 11. FS Mirror is now installed and licensed.