

How to Configure Shadow Protect and Image Manager with our Cloud Service

This guide will walk you through installation of Shadow Protect (SP) and Image Manager (IM), ready to send offsite to our Cloud Storage as well as providing you with your local Backup. We will provide you with a NAS device for your local backup

- Please note that after installation, you can configure the backup, but no backup files will be created until the Server / PC has been restarted.
- 1. You should have your account details within a confirmation email from Fastnet before proceeding. If you do not have these, please contact a Fastnet engineer.
- 2. Download Shadow Protect (SP) http://fastnet.co.uk/downloads/ShadowProtect.exe
- 3. Download Image Manager (IM) http://fastnet.co.uk/downloads/ImageManager.exe
- 4. Install both products with system defaults.
- 5. After installation of both products, you will need to restart the server / machine. You can still continue with this guide if you are not able to restart straight away, but **NO backup** files will be created until a restart happens!
- 6. This version of Shadow Protect will run for 15 Days without a license file unless you have requested a paid license. To send your backups offsite to us, you will require a license file for Image Manager. Please contact us for this license key.



- 7. Open Shadow Protect:- Start -> Programs -> StorageCraft -> Shadow Protect
- 8. Select Destinations Tab and click Add.

🔰 Stora	ageCraft	Shadow	Protect	[DA	AVE_LA	PTOP]				2.5		
Eile	<u>T</u> asks	<u>V</u> iew	<u>Option</u>	s <u>H</u> e	elp							
O.				5	\square	🌮 Wiz	ards	🌮 Manag	Jement View		Disk Map [DAVE_	LAPTOP]
~	View			2		🖪 Backup Job	is [DAVE_LA	PTOP] 🖉 🕼 Des	tinations [DAVE_LAP	TOP]	Backup History	[DAVE_LAPTOP]
-	Network	View			C Add	S Edit	æ Refresh					
	Tasks		(Ту	/pe	Name		Path			
	Backup Restore Explore E Dismour Image	Backup nt Backu	ıp		Cr	reate a Destin						
	Tools Verify Im Image C	nage onversi	(on Tool	0	Base N	lame	First Image	Creation Time	Last Image Creation	n Time	Points	_
0	Help Backup		(0								
0	Restore											
0	Browse I	mage										
0	Image T	ools										
С Ехрі	License ired		(
Ready	_										C	CAP NUM SCRL



9. Add your destination. This should be the local NAS device which should be plugged into your network. In the example below, I'm using a share on a NAS that doesn't need any further authentication. Depending on your destination, you may need to enter user credentials. Always verify the destination by leaving the tick in verify destination. Click **OK**.

Destination [DAVE_LAPTOP]	-		x
Destination Type:			
Network Share			-
Destination Name:			
NAS			
Destination Path:			
\\192.168.0.250\Backup\Laptop		Browse	
Connect using the Shadou Drotest Badous Consist and a Value			
Connect using the ShadowProtect Backup Service credentials			
Domain or Computer or NAS:			
User Name:			
Qualified User Name:			
Password:			
Verify destination access upon clicking OK			
	ОК	Cancel	



10. Now click on **Backup Jobs** Tab and click New. This will open up a backup wizard. Click **Next**.

Backup [DAVE_LAPTOP] "		frame.	Real Flat Tree	×
	Welcome to the	e Backup Wi	zard!		
	This wizard will guide you t	hrough the creation o	f a backup job.		
63	Press Next to continue				
		< Back	Next	> Can	iel

11. Select the drives you want to backup and click Next.

🕃 Backup [DAVE	LAPTOP]	140		-	Rest Tex 1	×		
Volumes to Back Up Specify one or more volumes to backup								
			95.					
Drive Letter	Volume	File System	Size	Used	Partition Type	Partition Flags		
Disk 0: ST9500	325AS							
□ *:\	System Reserved	NTFS	100.00 MB	28.13 MB	NTFS	Act, Pri		
⊠ C:\	🤝 No Label	NTFS	233.02 GB	112.07 GB	NTFS	Pri		
□ D:\	👁 Data	NTFS	232.64 GB	226.02 GB	NTFS	Pri		
			< Back		lext >	Cancel		



 Select your destination from the drop down list and feel free to rename "File Name". In this example I changed the Default of C_VOL to "Daves_C_VOL". Click Next.

elect network location or browse to a	local path		
😟 NAS (\\192.168.0.250\Backup\	Laptop)		Browse
pecify image names			
File Name		Volume	
Daves_C_VOL		C:\ (No Label)	

13. Select **Continuous Incrementals**. The days you want the backups to run, start/stop times then finally the minutes between backups. Also remove the tick from **VSS Incremental Backups** on Sunday (like below) personally; I would set the backup schedule to every hour of every day.

Specify the backup sched	ше						4
Schedule	VSS Increme	ntal Backups					
Now	Sun	Mon	Tue	Wed	Thu	Fri	Sat
C Later							
🔘 Weekly					Start time:	18:00:00	*
Monthly	Additional Incremental Backups						
Ontinuous Incrementals	Sun	Mon	Tue	Wed	Thu	Fri	Sat
		V		V			V
NOTE: You must use the			Sta	rt taking backu	ips at this time:	00:00:00	*
StorageCraft ImageManager service with this option.			Sto	p taking backu	ips at this time:	11:00:00	*
				Minutes bet	ween backups:		60
	🔽 Use V	SS		Ba	ckups per day:	12	



14. We highly recommend you enter a password to encrypt your image files otherwise the images can be opened by anyone. It is really important that you make a note of the password, as without it, you will not be able to use the image files for a later restore! Set the Compression to high to create smaller image files. You can also enter a backup job name and any comment at this point. Click Next

Select Compression Method:		High		•	
Enter Password	Use Password File		Note: This option wil	encrypt the image file	2
Password:	•••••				
Confirm Password:	•••••				
Split image file	640 👻 M	lb			
Backup Job Name	Dave Laptop Backup				
Backup Comment					
Bare Metal Backup of Daves La	aptop			*	



15. Under **Advanced Options** you can select the encryption level. As default it is set to RC4 128bit (Fast) this is the only time you can change the key without having to start a new backup chain. We would recommend you leave the rest of the advanced options as default.

Click OK, then Next.

Select Encryption Algorithm: RC4 128 bit (Fast) AES 128 bit (More Secure) AES 256 bit (Most Secure)	avanced Options [DAVE_LAPTOP] Backup Image Commands Encryption		x
Note:	Select Encryption Algorithm: RC4 128 bit (Fast) RC4 128 bit (Fast) AES 128 bit (More Secure) AES 256 bit (Most Secure)		
Default options are highly recommended for most backups. See User Guide for additional information.	te: fault options are highly recommended for most backups. See User Guide for a	dditional information.	



16. You are ready to perform your first backup. If you have already restarted your machine after SP install, you can execute now or wait for the next schedule to run. If you haven't restarted the machine since installation, click **Finish** and restart when possible.

🕃 Backup [DAV	E_LAPTOP]		and these lines	X
Wizard Summa Please review	ry the options you have selected before clicking Finish			
Volumes and Backu	p Destinations: C:\ (No Label) to \\192.168.0.250\Backup\Laptop\Dave	s_C_VOL		^
Backup options:	Compression method: High			
	[X] Encryption Encryption algorithm: RC4 128 bit (Fast)			=
Split options: Advanced options:	Maximum output file size: Automatic			
	 Include free space Performance Throttling: 100% Second and subsequent full backups are differential Generate MD5 file when creating an image file Ignore read failures and continue backup 	s		
Execute Now			Click finish to begin the	operation
	< Ba	ck Finish	Canc	el



How to Configure Image Manager

At this point we assume you have already created an Image Backup account and installed and configured you Shadow Protect software. You will also need a license from us before you can set up the replication target. Please contact us for this key.

If you haven't already installed Image Manager (IM), please download then install with default settings from http://fastnet.co.uk/downloads/ImageManager.exe

1. Once installed, open Image Manager:- Start -> Programs -> ShadowProtect -> StorageCraft -> ImageManager

2. When you open Image Manager for the first time, it will prompt you for a password. Once you enter the password and confirm, click **OK**.

Change Password	×
Old Password: New Password:	
Confirm New Password:	
	OK <u>C</u> ancel



3. Click **Start Managing Folder** on the left hand menu. Here you will be asked to enter the destinations that you set earlier for your Shadow Protect backup. In this example, I don't need to enter destination credentials for folder path authentication, but if you required this earlier, you will need to enter it here too.

Managed Folder Settings										
Folder Path: \\192.168.0.250\Backup\Laptop										
Description:	Description: Laptop (optional)									
This folder requires authentication										
Our Use the default folder credentials defined in Agent Settings										
O Define specific credentials for this folder:										
Domain or Computer or NAS:										
Username:										
Password:	Password:									
Qualified Nan	ne:									
Assign sort priority r	elative to other managed folde	rs: 25	5 🖂 (0-255)							
Assigning a sort top of the mana	Assigning a sort priority will override column sort orders and cause this folder to move to the top of the managed folders list.									
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4. Next click on Licensing:

StorageCraft ImageManager	3000		-			-	- 0 X
	Source Computer	Managed Folder Napaged Folder N192.168.0.250\Backup\Laptop	Folder Size 29.68 GB	Free Space 16.0%	Image Files	Volume Capa	city: 902.94 GB
localhost : 56765						Other (728.6d GB) \	► Folder (29,48 GB) ↓ Free (144.66 GB)
	Replicat Add new r	ion Targets (0) eplication target					۲
Managed Folder Tasks	HeadSta	rt Restore Jobs (0) leadStart Restore job					۲
Stop Managing Folder	Backup	Image Files					۲
Consolidation Settings Retention Settings Eolder Settings	۱ <u>1:00</u>	PM 2:00 PM 3:00 PM 4:00 PM	Monday, March	04, 2013	• 8:00 PM	9:00 PM 10:00 PM	11:00 PM
Agent Tasks	Backup of (No Comm	DAVIDLAPTOP taken at 7:57 PM ents)					
Connect to Agent Disconnect Agent Refresh	S C: N	ITFS (232.73 GB) Filename:	Daves_C_VOLs	of (29.68 GB)	Prop	oerties: Unlocked	
Start Processing Notification Settings							
Agent Assign and release this age	ent's job licenses						
Help Tasks View Help Contents							

Job Licenses for SERVER				
	Name: Organization: Product Keys			
	To activate this prod http://www.storaged	duct manually please visit craft.com/product_activation.php. <u>A</u> ctivate <u>C</u> lo	ose	

You will need to enter your license key that we provided you here. Again, if you don't have this, please contact us for this key.



5. Next click on **Replication Target**:



6. Select **Type** as **intelligentFTP** and select **<Add new location**...> from the location drop down box:

Replication Target for backup images of DAVIDLAPTOP				
General Replication Mod	e			
Name: Replicate backup images of DAVIDLAPTOP				
Destination				
Type:	😻 intelligentFTP 🔹			
Location:				
Subdirectory:	<add location="" new=""></add>			
- Performance & Security				
Override global throttling:				
Don't replicate E	Don't replicate Base image files			
🔲 Start replica	ting incremental backup images immediately			
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7. Add the FTP server path as **restore1.fastnet.co.uk** and the username and password which is included in the confirmation email from Fastnet.

Cocation Setting	s
Type:	🌍 intelligentFTP 🔹
Name:	Cloud FTP
Path:	restore1.fastnet.co.uk
Security:	None Block Size: _65536 Bytes (1-131072)
Mode:	Passive
This location re	equires authentication
Username:	DaveLaptop
Password:	•••••
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8. When you click **Save**, it will authenticate your account.

9. Select whether to upload the base image or not. You can use our free seeding service if you don't want to upload the base image over the internet. (Particularly if you have a slow upload connection).

U nepile		arget for back	ip integes of Devident for	
General	Replication Mode			
Name	8	Replicate back	up images of DAVIDLAPTOP	
- Destir	nation -			
Ту	Type:		🦁 intelligentFTP	
Lo	Location:			
Su	Subdirectory:		Laptop (DAVIDLAPTOP)	
- Perfor	mance	& Security		
Override global throttling:				
Don't replicate Base image files				
Start replicating incremental backup images immediately				



10. Select the option as below and click **Save**.

😵 Replication Target for backup images of DAVIDLAPTOP			
General Replication Mode			
Are you replicating to a folder being consolidated by a second ImageManager?			
No - Replicate all consolidated files			
Also replicate original unconsolidated intra-daily image files			
Files moved or deleted by ImageManager are deleted on the destination			
Yes - Replicate only consolidated daily image files			
Yes - Replicate only original unconsolidated intra-daily image files			
To ensure backup image files are not corrupt you must periodically verify both the original and replicated files using either ImageManager's Verification service or a 3rd-party MD5 verification tool.			
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Your image once varified will now start uploading to our servers. Once new incremetal files (spi) files are created, they will automatically be uploaded to us.

There are additional settings you may like to change like retention, consolidation, verification and email settings. Please feel free to modify these settings. If you would like any help with the above, please feel free to call us and we are more than happy to help you with the setup.

Email: <u>help@fastnet.co.uk</u> Telephone: 01273 675775