

Automation Folder User Guide

Ghost Solution Suite 3.0 HF3



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Chapter 1 – Getting Started with the Automation Folder

**Note: Any previously installed Automation Partition should be remove before attempting to use the Automation Folder as the Partition will take precedence over the Automation Folder. See Chapter 4 to create an Automation Partition uninstall package.

Before the Automation Folder feature can be used several pre steps are required.

- Ghost Solution Suite 3.0 HF3 or later must be installed to use Automation Folder. DOC9111
- Windows ADK (WinPE) files will need to be installed and imported (See <u>DOC8688</u> installing and importing the Windows ADK
- A new configuration will need to be added to the Integrated Boot Disk Creator
- The Automation Folder will need to be deployed to the client system.

Create a new configuration in the Boot Disk Creator:

- 1. Open the console, navigate to Tools and Select the Boot Disk Creator.
- 2. Select Create New Configuration > Click 'OK'





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3. Give your Configuration a unique name and click 'Next'.

🈡 Boot Disk Creator		_ 🗆 🗵
File Edit View Tools	Boot Disk Creator - Create Configuration	
Configurations	Step 1 of 8: Configuration Name Image: Configuration Name	<u> </u>
e-up Automation F poststart prestart startup	Enter a name for this configuration: Automation Folder	
	Enter a detailed description for this configuration (optional):	
startup.t userenv. config.ini WinPE 5.x additic	×	
	Pre-boot Operating System for this Configuration Windows PE 5X Install Pre-boot Operating System Files	
	K Back Next > Cancel Help	
Ready		NUM ///

4. Check box to 'Auto-detect all device Drivers' and click 'Next'. (Alternatively you can add new drivers here now or in the future at this step see <u>DOC8688</u>)

🍿 Boot Disk Creator		
File Edit View Tools	Boot Dick Freator - Freate Windows PE Configuration	
Configurations	Step 2 of 8: Windows PE Hardware Device Drivers Select the hardware device drivers that are in the client computers.	
Configurations Configurations Configurations Configuration	Windows PE will attempt to auto-detect installed device drivers. Multiple device drivers may be selected to instruct Windows PE to load those drivers before attempting to auto-detect. Hardware device drivers: Creation of the selected of the selected instruct Windows PE to load those drivers before attempting to auto-detect. Hardware device drivers: Creation of the selected of th	
	< Back Next > Cancel Help	-1
Ready -		





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5. Select your preferred IP settings and click 'Next'.

File Edit Wein Tools Configurations Step 4 of 8: Ghost Solution Suite Server Communication Select how the client computer will connect to the Ghost Solution Suite Server. Image: Configurations Postsatt Use TCP/IP multicasting to find the Ghost Solution Suite Server Multicast IP address: 225 1 2 3 Postsatt Server name: Gordigurations Clear to access any server] administ. mapdrub; Server name: Clear to access any server] administ. Server IP address: 192 . 168 . 2 . 10 Port: 402 Automation Agent Location Run the most recent WinPE 5X automation agent located remotely on the server share. Image: Locad Run existing WinPE 5X automation agent contained in the local pre-boot environment. Ready NUM	🉀 Boot Disk Creator		_ 🗆 🗵
Configurations Step 4 of 8: Ghost Solution Suite Server Configurations Seet how the client computer will connect to the Ghost Solution Suite Server Port poststart Prestart Windows Server name: (clean to access any server) Server IP address: 132.168.2.10 Port: 402 Server IP address: 132.168.2.10 Port: 402 Server IP address: 132.168.2.10 Port: 402 Automation Agent Location Server IP address: Num Server IP address: 132.168.2.10 Port: 402 Automation Agent Location Run he most recent WinPE 5X automation agent located remotely on the server share. © Local Run existing WinPE 5X automation agent contained in the local pre-boot environment. Redy NUM	File Edit View Tools	Boot Disk Freator - Freate Configuration	
Redy Num	Configurations	Step 4 of 8: Ghost Solution Suite Server Communication Select how the client computer will connect to the Ghost Solution Suite Server.	
Ready NUM	Configurations Automation F Configurations Automation F Configurations Co	Select how the client computer will connect to the Ghost Solution Suite Server Image: Select how the client connect to the Ghost Solution Suite Server Multicast IP address: 225 1 2 3 Port: 402 Server name: (clear to access any server) Image: Server name: (clear to access any server) Image: Server name: (clear to access any server) Image: Server IP address: 192 168 2 10 Port: 402 Image: Server IP address: 192 168 2 10 Port: 402 Automation Agent Location Run the most recent WinPE 5X automation agent located remotely on the server share. Image: Local Run existing WinPE 5X automation agent contained in the local pre-boot environment. Image: Local Run existing WinPE 5X automation agent contained in the local pre-boot environment. Cancel Help	
	, Ready		NUM //

6. Entry Credentials and click 'Next'. (If the password for this account changes this will need to be updated here in the future)

🍓 Boot Disk Creator		
File Edit View Tools	🐻 Boot Disk Creator - Create Configuration 🛛 🗙 🗙	1
Configurations	Step 5 of 8: Network Connection Enter the network settings for the client computer. These settings are used to connect to the file server.	-
Configurations Confi	Enter the name of the workgroup or domain to connect to. Workgroup/Domain: Imm Imm Passwort Passwort maxes Confirm password maxes	
Reduy		





7. Recommended to leave all defaults and click 'Next'. (If the drive letter listed is not M: then this will need to be changed here see <u>TECH41137</u>)

👹 Boot Disk Creator		
File Edit View Tools	Root Dick Freator - Freate Configuration	
Configurations	Step 6 of 8: Network Drive Mappings Map a drive to the file server where the Ghost Solution Suite image files are stored.	-
Automation F postart minist. acient.in acient.in strup. acient.in mapdru. userenv. windows winPE 5.x addition	 Manually create drive mappings To access the imaging tools, create a drive mapping to the Ghost Solution Suite share. To access an image store that is not on the Ghost Solution Suite share, define additional drive mappings by selecting a drive letter, and entering the server and share name or volume name for that drive. Drive: M: \LGSS-W2K8-01\LeXpress Patr: \LGSS-W2K8-01\LeXpress Browse Example: \Lserver\share If the network does not support NetBIOS name resolution to IP addresses, add entries to the LMH0STS file to map server names to IP addresses for each drive mapping. If the network does not support NetBIOS file for the Ghost Solution Suite server file store (other entries must be added manually) Server name: GSS-W2K8-01 IP address: 132 . 168 . 2 . 10 Use NetWare login scripts to create drive mappings (Back Next> Cancel Help 	
Ready		NUM //

8. Recommended to leave all defaults and click 'Next'.

File Edit View Tools	Boot Disk Creator - Optional Components Step 7 of 8: Optional Components Add additional components to the boot image such as WSH (Windows Scripting Host), WMI (Windows Management Instrumentation), XML, etc. Select the optional components to include in the WinPE 5X boot image:	
prestart	Package name Status Version	
Windows		
aclient.in	KR2919355	
administ.	▼ KB2919442 Installed 6.3.1.8	
🛅 mapdrv.t	▼ KB2932046 Installed 6.3.1.5	
- 📑 startup.t	▼ KB2934018 Installed 6.3.1.5	
userenv.	✓ KB2937592	
config.ini	☑ KB2938439 Installed 6.3.1.0	
WINPE 5.× additic	WINPE-DOT3SVC-PACKAGE Not installed 6.3.9600.16:	
	WINPE-ENHANCEDSTORAGE-PACKAGE Not installed 6.3.9600.16	
	WINPE-FMAPI-PACKAGE Not installed 6.3.9600.16	
	WINPE-FONTS-LEGACY-PACKAGE Not installed 6.3.9600.16	
	HTA Not installed 6.3.9600.16	
	ADO Not installed 6.3.9600.16	
	WINPE-NETFX-PACKAGE Not installed 6.3.9600.16	
	PPPOE Not installed 6.3.9600.16	
	WINPERNDIS PACKAGE Not installed 6.3.9600.16	
	< Back Next > Cancel Help	
, Ready		





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9. Click 'Finish'.

🍓 Boot Disk Creator		_ 🗆 ×
File Edit View Tools	Boot Disk Creator - Create Configuration	
Configurations	Step 8 of 8: Configuration Summary Review the configuration summary.	
Automation I	A new configuration will now be saved. Review the settings and click Finish to save the configuration.	
Window adient.ir adient.ir administ mapdrv. startup.l config.ini WinPE 5.x additi	Longuation setting: [No Description] Operating system: WinPE 5.X OEM extension: Chone> File server type: Microsoft Windows Transport: TCP/IP Screenlock: Disabled Firewalt. Disabled Compression: Compressed Installed packages: KB2913955-Required KB29355-Required KB293928-Required KB293928-Required KB293928-Required KB293928-Required KB293928-Required KB2934019-Required KB2934019-Required KB2934019-Required KB2934019-Required KB2934019-Required KB2934019-Required KB2934019-Required WMI-Required WMI-Required WMI-Required WSH=True	
	<back cancel="" finish="" help<="" td=""><td></td></back>	
Ready		NUM ///

10. Select 'Close this Dialog' and Click 'Finish'



11. You can now close the Boot Disk Creator.





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Chapter 2 – Installing the Automation Folder on a Client

There 2 methods to install the Automation Folder, Pick the Method that best fits your environment:

Method 1 -

 Install Automation Folder by right-click on the computer or group of computers in the console. Then Select Advanced > Install Automation Folder...

Automation Folder Configurations	×
Select the Pre-Boot Configuration for the Automation Folder Installer	
Configurations: Automation Folder HF3 💌	
Use administrator password incase of Windows Vista and Windows Server 2008	
User: Administrator	
Password:	
OK Cancel	

You should see a pop-up dialog appear, select your Configuration from Chapter 1.

2. Next you should see a Status Dialog showing that the Automation Folder package is building, this process can take some time (up to 15 min.). *Note: The building of the package usually only happens the 1st time you deploy the automation folder and after any updates to this configuration, like driver addition or credential changes. After the building of the package, you will see the job start to install the Automation Folder as shown below.







Method 2 -

- 1. Open the Boot Disk Creator, right-click on the configuration you built in Chapter 1 and select Create Partition installer.
- 2. Select 'Installer Package', x86 or x64 and 'Install a WinPE 5.x boot folder. Select 'Next'.

🍓 Boot Disk Creator	😺 Boot Disk Creator - Install Automation Environment 🛛 🛛 🗙	_ O ×
File Edit View Tools	Step 1 of 4: Automation Installer Choose the type of installer to use to install a WinPE 5X automation environment on a client computer.	
Configurations Config	 Installer package Create a self-extracting install package that installs a WinPE 5X automation environment on a client computer. Bootable installer disk Create a bootable disk that installs a WinPE 5X automation environment on a client computer. Select the operating system of the computer that will run the installer package: Windows Production Automation Environment Type Select the processor type for the WinPE 5X automation environment: Install an embedded WinPE 5X automation environment to install: Install an embedded WinPE 5X partition Partition size in MB: Suggested WinPE 5X poot folder 	
l Ready	< Back Next > Cancel Help	

3. Select a folder where you want to save the package and select processor type. Select 'Next'.

🙀 Boot Disk Creator	👹 Boot Disk Creator - Create Boot Disk 🛛 🔀	_ 🗆 ×
File Edit View Tools	Step 2 of 4: Boot Disk Media Type Choose the media type for the WinPE 5X boot disk.	
Configurations	Boot Media Tupe: Boot Task Tupe:	<u> </u>
Configurations Config	Image: Solar Hold: Type: Automation boot Disk (floopp, USB) Files (copy boot files to folder) PKE boot image Installer/uninstaller package Network boot Stand-alone boot Browse Image:	
	Boot media processor type: x86	_
: Ready	< Back Next > Cancel Help	





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4. The next 2 steps are automatic and when finished, select 'Close'. Close Boot Disk Creator.

👹 Boot Disk Creator	퉳 Boot Disk Creator - Create Boot Disk	×	
File Edit View Tools	Step 4 of 4: Boot Disk Creation Complete Boot Disk Creator has finished creating the boot disk.		
Configurations Automation Automation Posstar prestar or adirent.ir adirent.ir adirent.ir adirent.ir adirent.ir adirent.ir posstar or posstar posstar or posstar posstar or poss	Boot disk summary: Bioot Disk: Path: C.\Program Files (x86)\Altris\eXpress\Deployment Server\bwpkgs\WinPE 5X \X86\Automation Folder.exe Pre-boot 0S: WinProd Processor: x86 Media: pkg Task: install Environment: Type: folder Pre-boot 0S: WinPE 5X Processor: x86 Task: automation		
 Ready	Close	Help	

5. Now in the console we need to setup a Distribute Software job to perform 2 actions, copy the InstallAutomationFolder.exe to the clients and then run the InstallAutomationFolder.exe to install the automation folder.





6. In the job, Select 'Add>Distribute Software'. Browse to the location of where the Automation Folder package was saved. Click 'Advanced'.

Software Select	ware Package Options a software package and set distribution options.	
Name:	\\BWPkgs\\WinPE 5.X\x86\Automation Folder.exe	<u></u>
Þ	Title: Symantec Package Description:	
	Created: Platform:	
_ Packag	ge distribution options	
	Password: Adva	nced
	Run in quiet mode Apply to all users	
	Copy all directory files Copy subdirectories	
Packa	ige options:	
Additio	onal command-line switches:	

7. Specify a user. Click 'OK'. Then Click 'Finish'.

Distribute Software	×
Software Package Options Select a software package and set distribution options.	
Name: \\BWPkgs\WinPE 5.X\x86\Automation Folder.exe	
Distribute Software Advanced	
Copy files using Ghost Solution Suite then execute	
Copy directly from file source then execute	
C Run directly from file source	
User Options	
Specify User	
User name: Administrator	Advanced
Password:	
Confirm password:	
C Run package in console user session	
OK Cancel Help	
< Back. Next > Finish Cano	el Help

8. Now you can assign the Install Automation Folder job to clients.



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Chapter 3 – Verifying the Automation Folder on a Client

There are 2 ways to verify a client has the Automation Folder Installed:

1. In the console, right-click on the computer and select 'Properties'. Under the General tab, 'The Automation Folder Installed:' will say Yes or No.

Computer Properties		×
Computer Properties		
General	Name: CL-W7-X Logged-on User: Operating System: Windows	54-01 7 Enterprise 6.1.7601 (Service Pack 1)
Hardware	Ghost Solution Suite Automation Folder installed: Automation Partition installed: Windows agent version:	GSS-W2K8-01 Yes No 6.9.1417 (64 Bit)
	Automation agent version: DOS packet shim version: SVS agent version: Agent license expires: ID: User Account Control:	N/A 5000005 0FF
	ОК	Cancel Help

2. On the client, you need to show all hidden folders. If Automation Folder was installed you should see c:\boot.

🏝 Local Disk (C:)						_ 0	×
🌀 🕞 🗢 Compi	uter	 Local Disk (C:) 		▼ ₩	Search Local Disk (C:)		2
Organize 👻 🦙 Open	In	clude in library 👻 Share with 👻 New folder				= - 💷 🤅)
🔆 Favorites	-	Name ^	Date modified	Туре	Size		
🧮 Desktop		sRecycle.Bin	6/9/2014 5:07 PM	File folder			
鷆 Downloads			9/30/2011 5:04 PM	File folder			
🔤 Recent Places		腸 boot	10/29/2015 10:29 PM	File folder			
🦰 Librariac		Client_Tools	6/11/2014 2:03 PM	File folder			
Documents		Documents and Settings	7/14/2009 6:08 AM	File folder			
J Music		DerfLogs	7/14/2009 4:20 AM	File folder			
Pictures		鷆 Program Files	10/7/2015 4:08 PM	File folder			
📑 Videos		퉬 Program Files (×86)	9/8/2015 9:18 PM	File folder			
		冯 ProgramData	9/8/2015 9:21 PM	File folder			
Computer		Recovery	6/6/2014 9:01 PM	File folder			
Recycle Bin		System Volume Information	10/29/2015 6:45 PM	File folder			
b6790159ff38ee		鷆 tools	9/28/2011 11:32 PM	File folder			
iboot		遇 Users	6/9/2014 5:07 PM	File folder			
ient_Tools 🍋		🐌 Windows	10/7/2015 4:11 PM	File folder			
Documents and :	5	autoinst.log	10/29/2015 3:41 PM	Text Document	46 KB		
PerfLogs		autoinst1.log	10/29/2015 3:42 PM	Text Document	56 KB		_
Program Files Descram Files (w)		autoinst2.log	10/29/2015 10:29 PM	Text Document	56 KB		
ProgramData		🖼 Automation Folder.exe	10/7/2015 3:32 PM	Application	202,454 KB		
Recovery		📄 autoutil.log	10/29/2015 10:29 PM	Text Document	25 KB		
Notem Volume 1	-	DUBIET LOC	10/20/2015 4-52 DM	Tayl Documonk	10 10		-
boot Da File folder	ite mi	odified: 10/29/2015 10:29 PM					





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Chapter 4 – Automation Partition Packages

The following steps will guide you through building and deploying the Automation Partition Uninstall Package:

 Open Boot Disk Creator, right-click on the configuration form Chapter 1. Select 'Create Partition Uninstaller'. Select 'Uninstaller Package' and 'Uninstall Partition'. Click 'Next'.

🍇 Boot Disk Creator - Uninstall Automation Environment 🛛 🛛 🛛
Step 1 of 4: Automation Uninstaller Choose the type of uninstaller to use to uninstall an automation environment on a client computer.
 Uninstaller package Create a self-extracting uninstall package that uninstalls an automation environment on a client computer.
C Bootable uninstaller disk Create a bootable disk that uninstalls an automation environment on a client computer.
Select the operating system of the computer that will run the uninstaller package: Windows Production
Automation Environment Type Select the type of automation environment to uninstall:
< Back Next > Cancel Help

2. Select a location to save the uninstall package, x86 or x64, then click 'Next.

Boot M	ledia Tune:
	C ISO (CD/DVD image)
	O Disk (floop, USB)
	C Files (copy boot files to folder)
	C FXE boot image
	Installer/uninstaller package
	Run silent install Run the installer without user input.





3. The next 2 steps are automatic and when finished, select 'Close'. Close Boot Disk Creator.

Boot disk summary	:	
Boot Disk:		
Path: \x86\uninstall.exe Pro-boot 0S: Processor: Media: Task: Type:	C:\Program Files (x86)\Altiris\eXpress\Deployment Server\bwpkgs\windows WinProd x86 pkg uninstall partition	

4. Now in the console we need to setup a Distribute Software job to perform 2 actions, copy the uninstallAutomationPartition.exe to the clients and then run the UninstallAutomationPartiton.exe to uninstall the Automation Partition.

**Note: The uninstall package will force a reboot of the client computer when done executing.





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5. In the job, Select 'Add>Distribute Software'. Browse to the location of where the Automation Partition Uninstaller package was saved. Click 'Advanced'.

riano.	.\BWPkgs\windows\x86\uninstall.	exe	<u></u>
	Title: Symantec Package Description:		
	Created: Platform:		
- Packa	ge distribution options		
	Password:		Advanced
	🗖 Run in quiet mode	Apply to all users	
	Copy all directory files	Copy subdirectories	
Packa	ge options:		
Additio	onal command-line switches:		

6. Specify a user. Click 'OK'. Then Click 'Finish'.

Distribute Soft	ware X			
Software Package Options				
: Select a	a software package and set distribution options.			
1				
Name:	\\BWPkgs\windows\x86\uninstall.exe Distribute Software Advanced			
	Copy files using Ghost Solution Suite then execute			
	Copy directly from file source then execute			
	Run directly from file source			
	User Options			
Packag	Specify User			
	User name: Administrator anced			
	Password:			
	Confirm password:			
Packag	Run package in console user session			
Additio	OK Cancel Help			
	< Back Next > Finish Cancel Help			

7. Now you can assign the Uninstall Automation Partition job to clients.