

CASPER BUTION 8.0

STARTUP DISK CREATOR GUIDE



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The Casper [™] Startup Disk enables you to boot and run Casper Server Edition directly from a USB flash drive, CD-ROM or DVD disc with full access to external USB and Firewire hard disks.

While a Casper Startup Disk is often unnecessary, it may be needed to restore a backup in certain situations. For example, a Casper Startup Disk is required to restore an image file or restore-point backup from a disk that does not contain the Casper Startup and Recovery Environment. It may also be needed to restore a bootable backup from an external hard drive if Windows is unable to boot and run from the external hard drive.

NOTE: A Casper Startup Disk is not required to restore the primary system drive from a bootable backup if your computer supports booting and running directly from the backup disk. Likewise, a Casper Startup Disk is not needed to restore the primary system drive from a restore-point backup if you added the Casper Startup and Recovery Environment to your backup disk when creating the restore-point backup.

System Requirements

While the Casper Startup Disk is designed to run on virtually all Windows 2000 and later systems, installation and creation of the Casper Startup Disk must be performed on a system running Windows XP (SP3) or later.

Installation Requirements

- Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2, Windows Server 2008, Windows Server 2003 R2, Windows Server 2003, Windows 8x., Windows 7, Windows Vista, or Windows XP (SP3)
- 5GB available disk space
- 1GB RAM (2GB or more recommended)
- Windows 8.x Recovery Environment, Windows 8.X Assessment and Deployment Kit (ADK), or Windows 7 Automated Installation Kit (AIK)

Startup Disk Run-time Requirements

- 500MB available disk space
- 512MB RAM (1GB or more recommended)

The Startup Disk Creator wizard will prepare a USB flash drive, CD, or DVD disc to boot and run Casper Server Edition. It can also create an ISO disc image file that can be used to create a CD or DVD later.

Installing the Windows Preinstallation Environment

The Microsoft Windows Preinstallation Environment (WinPE) must be installed prior to creating a Casper Startup Disk. If a compatible version of WinPE is not available, the Casper Startup Disk Creator will automatically download and install a copy for you.

The Casper Startup Disk Creator is compatible with WinPE 3.x, WinPE 4.0, and WinPE 5.x. When running on a computer containing a compatible copy of the Windows 8.x Recovery Environment (WinRE), the Casper Startup Disk Creator can obtain the necessary components of WinPE directly from the installed WinRE. In other cases, WinPE must be obtained by installing either the Windows 8.x Assessment and Deployment Kit (ADK) or Windows 7 Automated Installation Kit (AIK). If neither kit has been installed, the Casper Startup Disk Creator will attempt to download and install the appropriate kit before creating a Startup Disk for the first time. Alternatively, you can download and install either the Windows 8 ADK or Windows 7 AIK manually. For details, see http://www.fssdev.com/link?id=100.

Creating a Casper Startup Disk

- 1. Open Casper 8.0 Startup Disk Creator.
- 2. Choose the type of Startup Disk to create.

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📀 🏂 Casper 8.0 - Startup Disk Creator			
Choose the type of Startup Disk to create You can prepare a USB flash drive, CD or DVD disc to boot and run Casper. You also can create a disc image file that can be used to create a CD or DVD later.	n ISO		
Create bootable USB flash drive			
→ Create bootable CD or DVD			
Create bootable ISO disc image file			
	C	ancel	

There are three options:

- Create a bootable USB flash drive. This option will prepare a USB flash drive to boot and run Casper.
- Create a bootable CD or DVD. This option will prepare a CD or DVD disc to boot and run Casper.
- Create a bootable ISO disc image file. This option will create an ISO disc image file, which can be used to create a CD or DVD disc later or used to emulate a bootable Casper Startup Disk CD within a virtual environment.

Specify additional drivers to add to the runtime environment. Additional drivers may be required to
provide access to storage devices and network resources not supported by the drivers included
within the Windows AIK or Windows ADK.

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€	🎾 Casper 8.0 - Startup Disk Creator			
	Would you like to include any additional drivers? Additional drivers may be added to the runtime environment to access storage controllers adapters not supported by the default drivers provided with the Windows AIK/ADK.	and netwo	ork	
	 ✓ Include additional storage drivers ✓ Include additional network drivers 			
	Additional custom drivers:			
		Ad	ld	
		Add f	older	
		Rem	ove	
				_
	Next Cancel			

Check **Include additional storage drivers** to add a collection of popular third-party storage controller drivers. Check **Include additional network drivers** to add a collection of popular third-party network drivers. Both options provide out-of-the-box support for a broad range of hardware.

Click **Add** and select the Setup Information File (INF) to include a specific driver. To add more than one driver at time, click **Add folder** and select the folder containing the drivers. All drivers within the selected folder and within any subfolders will be added to the runtime environment. Incompatible drivers will be ignored.

NOTE: The **Include additional storage drivers** and **Include additional network drivers** options are available only when using WinPE 3.0. These options will not appear when using a later version of WinPE to create the Startup Disk.

NOTE: Adding a large number of custom drivers with **Add** or **Add folder** can significantly increase the amount of time required to create the Startup Disk.

4. Define the network configuration for the runtime environment. You can configure a specific network configuration for each adapter discovered within the runtime environment.

			- 🗆 🗙
📀 🎾 Casper 8.0 - St	artup Disk Creator		
Define Network	Settings		
Network adapter:			
Obtain an IP add Use the following	•		
IP address:		Default gateway:	
Subnet mask:			
Obtain DNS served	er address automatically		
O Use the following	g DNS server addresses:		
Preferred DNS:		Alternate DNS:	• • •
			Next Cancel

5. Choose whether to have a network drive mapped automatically at startup.

		_ □	×
📀 郑 Casper 8.	0 - Startup Disk Creator		
Would you	like to map a network drive automatically at startup?		
Map the foll	owing network drive at startup:		
Drive	Z: ~		
Folder:	v	Browse	
	Example: \\server\share		
	Connect using the following credentials:		
	User:		
	Password:		
	N	lext Can	cel

The **User** and **Password** fields are optional and may be left blank. You will be prompted to provide the missing credentials if necessary at startup.

6. If creating a bootable USB flash drive, insert and select the USB flash drive, then click **Create Startup Disk**. Existing data on the flash drive will be erased.

	- D ×
€	🎏 Casper 8.0 - Startup Disk Creator
	Select USB flash drive To create the Startup Disk, insert and select the USB flash drive, then select Create Startup Disk. All data
	on the selected flash drive will be erased.
	Removable Disk (H:)
	Create Startup Disk Cancel



WARNING: All data on the selected flash drive will be erased!

If creating a bootable CD or DVD, select a disc recorder and insert a blank disc, then click **Create Startup Disk**.

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📀 郑 Casper	8.0 - Startup Disk Creator
To create th Burning the	c recorder e Startup Disk, choose a disc recorder and insert a blank disc, then select Create Startup Disk. disc at a slow speed will help to eliminate boot failures that can result from variations in sy and drive performance.
Disc recorde	r: D:\ [HL-DT-ST DVD+-RW GS30N A101] V
Write speed	24x (3600 KiB/s) V
Volume labe	l: Casper Startup Disk
	Create Startup Disk Cancel

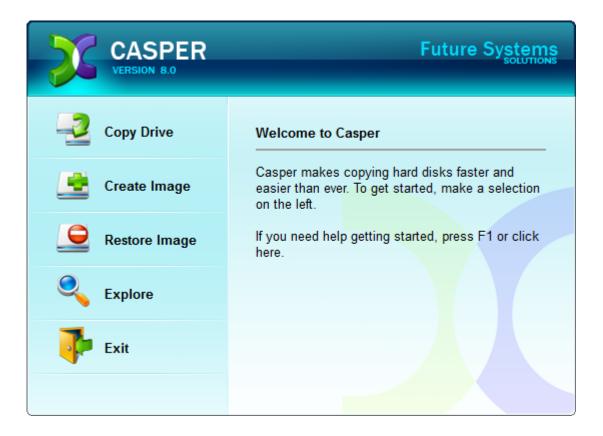
If creating a bootable ISO disc image file, type a name for the file and click Create ISO File.

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€	🎾 Casper 8.0 - Startup Disk Creator		
	Choose a name for the ISO disc image file The Casper Startup Disk image will be saved to the file as an optical disc image. Specifying a descrivolume label will make a disc created from the image file easier to identify.	ptive	
	Filename:		
	C:\Users\Administrator\Documents\CASPER.ISO		
	Volume label:		
	Casper Startup Disk		
	Create ISO File	Canc	el

Using the Casper Startup Disk

The Casper Startup Disk can be used to restore your computer's Windows system disk from an image file or Casper restore-point backup. You can also use the Casper Startup Disk to restore your computer's Windows system disk when you are unable to boot your computer directly from a Casper backup hard disk. For example, if you used an external hard disk to create a bootable backup, but your computer will not boot and run from an external hard disk, you can restore your computer by booting from the Casper Startup Disk.

Booting a computer from the Casper Startup Disk may take several minutes. Once it has completed the boot process, Casper SmartRestore[™] will attempt to automatically identify your backup and prompt you to begin the restore. If SmartRestore is unable to locate your backup, the Casper console will display.



CAUTION: When running from the Casper Startup Disk, temporary disk unit numbers and drive letters will be assigned, which may be different than those assigned by Windows when the system is running normally.

Loading specific drivers after booting via the Casper Startup Disk

The Casper Startup Disk boots and runs Casper within a self-contained Windows Preinstallation (WinPE) environment. If you need to load a driver that was not included when the Casper Startup Disk was created, you can load the driver after booting the computer from the startup disk.

Follow this procedure:

- 1. Click **Explore** to open Casper Explorer
- 2. From the Tools menu, click Load driver
- 3. Browse to the Setup Information File (.INF) of the driver package that contains the hardware driver to load and click **Open**.

NOTE: The driver must have the same architecture as the Casper Startup Disk. By default, the Casper Startup Disk Creator will match the architecture of Windows. For example, when run on a 64-bit version of Windows, the Casper Startup Disk Creator will create a startup disk that uses 64-bit drivers.