

RecoverAssist



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# **RecoverAssist Information**

RecoverAssist consists of two main components, the RecoverAssist Recovery Environment and the RecoverAssist Builder.

The RecoverAssist Builder is used to create a RecoverAssist Recovery Environment. It allows the user to add custom drivers to the Recovery Environment that may be needed during the restore.

The RecoverAssist Recovery Environment is a superior replacement for the Windows Recovery Environment. It can be used to perform bare metal system recovery from Windows Imaging backups that have been created using BackupAssist. It supports recovery from many different types of backup device. The RecoverAssist Recovery Environment automatically adjusts the appropriate Windows settings when recovering to dissimilar hardware. This avoids many 'Blue Screen of Death' (BSOD) problems often encountered when using the standard Windows Recovery Environment.

# Using RecoverAssist Builder

The RecoverAssist Builder allows you to create bootable Recovery Environments on DVDs or removable drives, such as USB thumb drives or SD cards. You can also use the RecoverAssist Builder to create an ISO Image file that can be burned to disk or mounted for virtual environments.

### Selecting a Windows Version

The first step to using RecoverAssist Builder is to select whether to create a Recovery Environment from the local Windows system or from a Windows installation disk.





Recovery Environments can be built from 32- and 64-bit versions of the following operating systems:

- Windows Vista
- Windows Server 2008R1
- Windows Small Business Server 08
- Windows 7
- Windows Server 2008R2
- Windows Small Business Server 11

However, due to a limitation in Windows Vista, Windows Server 2008R1 and Windows Small Business Server 08, recovery environments for those operating systems must be created from the installation disk. They cannot be built from the currently installed operating system.

#### Adding Hardware Device Drivers

RecoverAssist Builder allows the user to include their own drivers within the RecoverAssist Recovery Environment. This is useful to ensure that the Recovery Environment has the ability to support the user's hardware at restore time. It is easy to include drivers downloaded from websites such as DriverPacks.net or from manufacturers' disks.

📀 RecoverAssist Builder (Trial Edition)	x			
Add device drivers to your RecoverAssist Bootable Media Here you can choose to include custom Windows drivers to your RecoverAssist Bootable Media for hardware devices, such as mass storage drivers				
Driver				
C:\RaidDriver Add Remove Help Adding Drivers 🕡				
<u>B</u> ack Next Cancel				



### Selecting Boot Media

After adding custom Windows Drivers, the user then selects whether to create an ISO Image file, a CD/DVD/Blu-ray disc, or a bootable RecoverAssist disk on a removable drive. Depending on their choice the user then selects the drive letter of the RecoverAssist disk to be created, or the filename and location to create the ISO image file.

RecoverAssist Builder (Trial Edition)	x
Choose what type of media to use for RecoverAssist	
ISO image file Create an image file which can be burnt to an optical disc or mounted using another application	
OD/DVD/Blu-ray disc Use any writable media to create a bootable RecoverAssist disc	
Removable drive Use any removable drive media, such as a USB thumb drive or SD card to create a bootable RecoverAssist disk	
<u>B</u> ack <u>F</u> inish Canc	el

Then RecoverAssist will proceed with the creation of the Recovery Environment.

RecoverAssist Builder (Trial Edition)	x
Creating RecoverAssist Bootable Media	
Please wait while creating the RecoverAssist Bootable Media	
Copying files	
Can	cel



# Using the RecoverAssist Recovery Environment

To perform a system recovery on a server or workstation first boot into the Recovery Environment. The system may need the appropriate boot device to be configured in the BIOS. Alternatively on some systems the boot device may be able to be selected from within a menu in the pre-boot environment.

### **Recovery Environment Menu**

Once the machine has completed booting into the Recovery Environment the RecoverAssist menu will be displayed.

RecoverAssist	×
What would you like to do?	
Recover from a backup located on a local drive Recover your system from a RecoverAssist image backup stored on any locally attached storage, such as a local hard drive, external hard drive, or CD/DVD/Blu-ray drive	
Recover from a backup located on a network share Recover your system from a RecoverAssist image backup stored on a network share, such as a NAS device or remote server	
Recover from a backup located on an iSCSI target Recover your system from a RecoverAssist image backup stored on an iSCSI target	
Repair your installation of Windows You have recovered from a backup but Windows will not boot (BSOD errors)	
Launch a command prompt window Launch a command prompt window for troubleshooting purposes or to run specific commands	
Load driver Mount VHD Cancel	

The user may then choose to recover from a backup located on a local drive, a network share or an iSCSI target. The user may also repair existing systems that were recovered using the Windows Recovery Environment but will not boot due to blue screen of death errors. Using the repair function is not necessary for systems that are recovered within the RecoverAssist Recovery Environment. The last option allows the user to launch a command prompt in order to run the various command line tools included with RecoverAssist, such as diskpart.exe, bootsect.exe, regedit.exe, etc.

From this screen the user may also load any additional device drivers they did not include when creating a the recovery environment. They may also mount any VHD such as a Hyper-V Virtual Hard Drive or Windows Backup images. This means that after mounting they will be able to access the files using a local drive letter.

#### Selecting a Windows Image

To begin a recovery the user should select the option that suits the location of their backup. If they select a local backup, then the Recovery Environment will scan all local drives for Windows Backup images. If they select a network based backup, the Recovery Environment will open a screen that



allows the user to configure their network card. Network drivers, including custom drivers added by the RecoverAssist Builder, are loaded automatically as part of the boot process. The user is able to modify any TCP/IP network settings, or review the automatically assigned settings, before advancing to select the location of their backup on the iSCSI device or network share. RecoverAssist will search the specified network location for Windows Backup images and display any images found to the user.

RecoverAssist	×			
Backups found on iSCSI target iqn.2004-04.com.qnap:ts-212:iscsi.100gb.c1e272				
If you are recovering to a new hard disk, make sure the disk is at least as big as the disk that contained the volumes that were backed up, regardless of the size of those volumes. For example, if there was only one volume that was 100 GB on a 1 TB disk during backup, you should use a disk that is at least 1 TB when restoring.				
Backups containing multiple volumes are restored in the same configuration and order as the machine in which they were originally backed up from.				
Click Finish to launch a Complete PC Restore and recover from your backup				
<u>B</u> ack <u>Einish</u> Cance				

### Recovering with the Windows Backup Image

The user then clicks the 'Finish' button, which will open the backup in the standard Windows Recovery Console. If multiple backups are found, the user will be given a chance to choose which backup to use for the recovery. The remainder of the restore process is identical to the standard Windows Recovery Environment.

Re-image your computer	Select a system image backup This computer will be restored using the system image. Everything on this computer will be replaced with the information in the system image.				
	< <u>Back</u> Cancel				
	RecoverAssist Windows® Recovery Made Easy!				