BackupAssist™ v9

Restore Tab

User Guide

Contents

1. Introduction

The Restore tab provides access to a set of powerful restore tools, which are used to restore the different types of backups that can be created using BackupAssist. The Restore tab uses these tools to provide a guided restore of both data and applications.

Documentation

This guide explains the parts of the BackupAssist Restore tab, and can be used in conjunction with other BackupAssist guides, which provide a comprehensive set of documentation.

- For information on the BackupAssist Backup tab, see the Backup Tab User Guide
- For information on BackupAssist Remote Access, see the Settings Tab User Guide

Licensing

BackupAssist requires a license once the initial trial period has expired. Please contact your local BackupAssist reseller or distributor for pricing information, or visit www.BackupAssist.com.

For instructions on how to activate / deactivate license keys, visit out Licensing BackupAssist page.

Overview

When the Restore tab is selected, two menus can be chosen: **Home** or **Tools**.

Home page

Displays the types of backups you can restore, and is the recommended method of performing a restore.

Tools menu

Displays the different restore technologies available in BackupAssist. These tools provide an advanced restore option for experienced users and technical support.
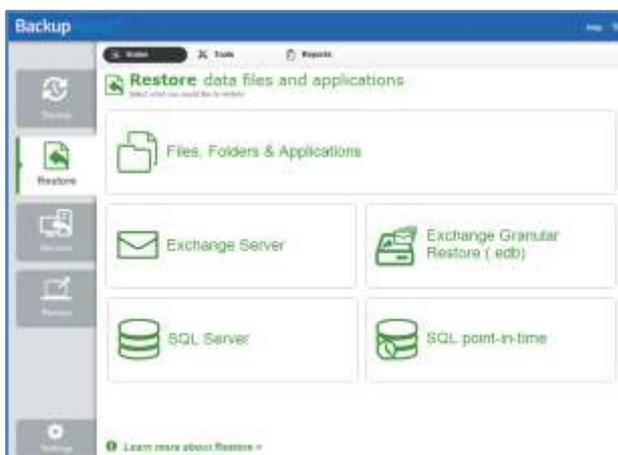
BackupAssist Restore tab – Home page
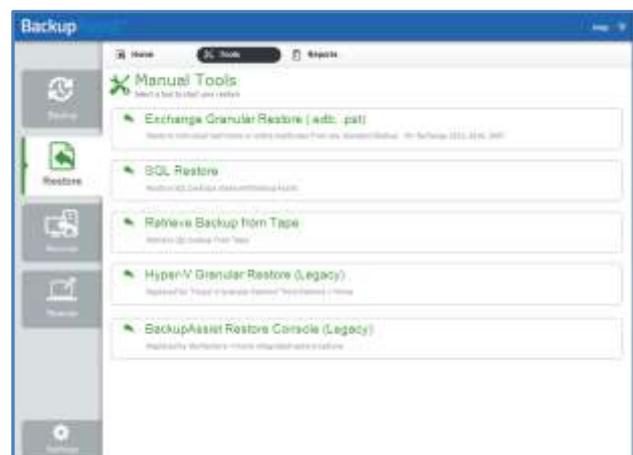
BackupAssist Restore tab – Tools menu

2. Home page

The Home page is the recommended starting point for performing a restore. From this screen, the type of restore you wish to perform can be selected.
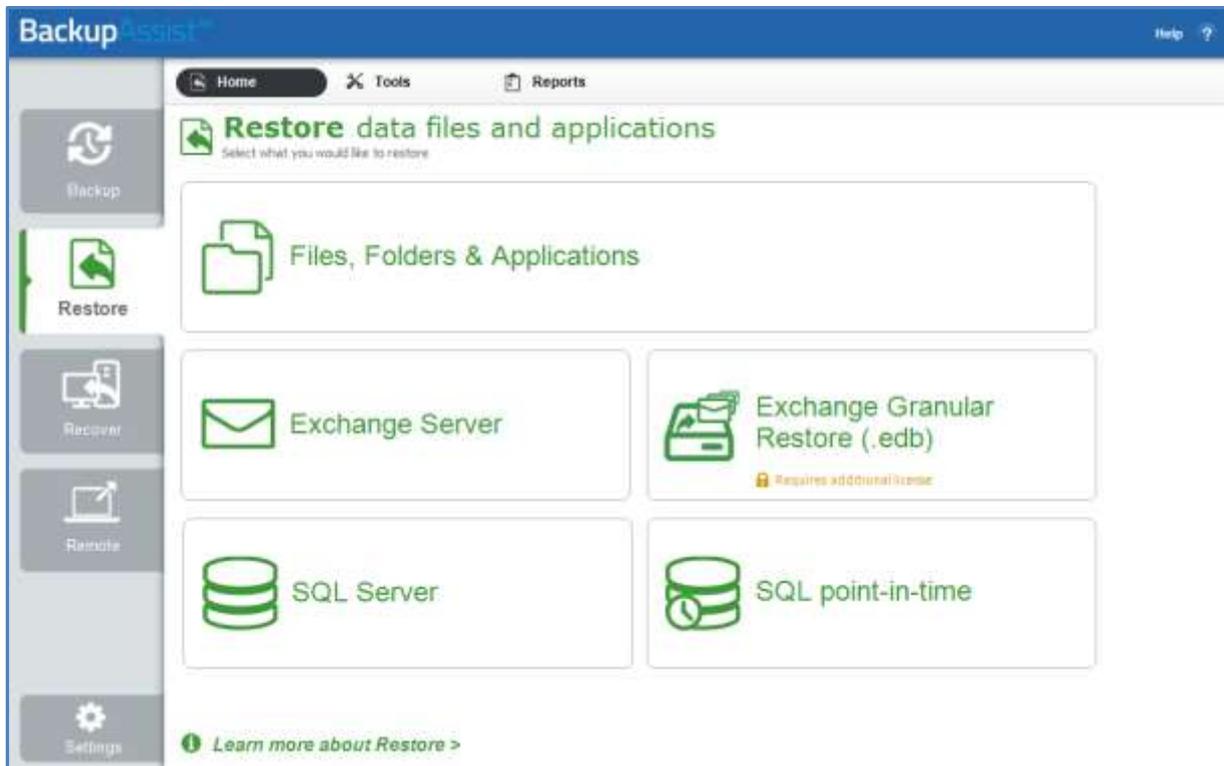
Files, Folders & Applications will display all File Protection, File Archiving and System Protection backups that contain both data and VSS applications.

Exchange Server is used to restore a full Exchange Server or individual EDB storage groups using a *System Protection*, *File Protection* or *File Archiving* backup. *Exchange Server* restore comes with BackupAssist's base license.

Exchange Granular Restore is used to restore individual mail items from an Exchange Server database using a *System Protection*, *File Protection* or *File Archiving* backup. *Exchange Granular Restore* requires an *Exchange Granular* add-on license.

Hyper-V Host Files is used to restore files and folders from a *System Protection*, *File Protection* or *File Archiving* backup of a Hyper-V host. *Hyper-V Host Files* restore comes with BackupAssist's base license.

Hyper-V Granular Restore is used to restore individual files and folders from an *System Protection* backup of a Hyper-V guest or guests. *Hyper-V Granular Restore* requires the *Hyper-V Advanced* add-on license.

SQL Server is used to restore a complete SQL Server using a *System Protection*, *File Protection* or *File Archiving* backup. *SQL Server* restore comes with BackupAssist's base license.

SQL point-in-time is used to restore an SQL database to a point-in-time using an *SQL Server Protection* backup. *SQL Server Protection* requires an *SQL Continuous Add-on* license.

3. Tools menu

Displays the different restore technologies available in BackupAssist. These tools provide an advanced restore option for experienced users and technical support.
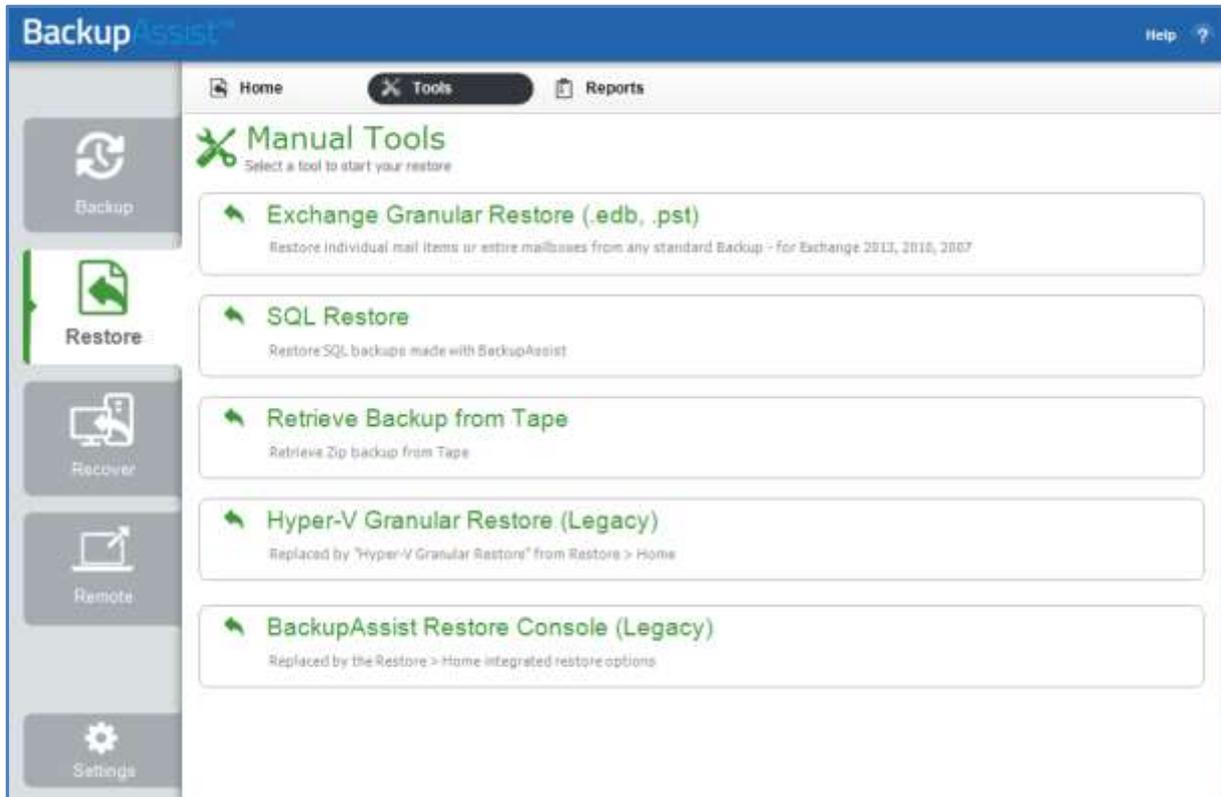
Exchange Granular Restore

The Exchange Granular Restore tool is enabled in BackupAssist with the purchase of the Exchange Advanced add-on. This *restore-based* solution allows you to use *System Protection*, *File Protection* and *File Archiving* backups to restore individual mailboxes and mail items.

SQL Restore

This tool can restore individual databases or a SQL Server (including the Master Database) to both local and remote SQL servers. If the backup used a transactional schedule, the databases can be restored to a specific point in time.

Retrieve Backup from Tape

This tool can be used if you are having problems performing a File Archiving restore from a tape media. The tool will directly access the tape (unlike the Integrated Restore Console which loads all backups) and attempt to restore the entire contents of the tape. It cannot restore individual items.

Hyper-V Granular Restore (Legacy)

This tool is used to provide access to individual files within a .vhd file (for a guest virtual machine) from an image backup created using System Protection.

Integrated Restore Console (Legacy)

The Integrated Restore Consolele can access System Protection, File Archiving or File Protection backups and restore selected files or applications.

4. The Integrated Restore Console

BackupAssists Integrated Restore Console makes it easy to restore data and VSS applications and eliminates the need to manually search for the specific backups that you want to restore from. There are three ways to access the Restore Console:

- The *Start* menu on your desk top
- *Home* page on BackupAssist's *Restore* tab, once a backup type has been selected.

The Integrated Restore Console will restore File Archiving backups, File Protection backups (including backups using Rsync) and System Protection backups. The console's flexibility means it can also restore Exchange Server and SQL Server databases, VSS applications and files from Hyper-V hosts and guests.

The Integrated Restore Console

BackupAssist's Integrated Restore Console can be used to restore files, folders, Exchange and SQL Servers and granular data from Exchange Servers and Hyper-V guests. The steps and screens will change and adapt, depending on the type of data being restored.

How to use the Integrated Restore Console is documented in the System Protection, File Protection and File Archving user guides.

How to use BackupAssist's specialized restore tools is documented in the SQL Protection, Exchange Protection and Hyper-V Protection user guides.

Catalogues

When a BackupAssist backup runs, a file catalogue is created for that backup. The catalogue contains a list of files that were backed up, the location they were backed up from and the backup destination. Once the catalogues have been loaded, you can browse the contents of your backups. Catalogues stored locally are located in the BackupAssist settings folder**:** C:\Documents and Settings \ All users\Applicationdata\BackupAssist v8 and later on C:\Users\All Users\BackupAssist<version number>

Having catalogues stored on your local drive means you do not need to connect to all your backup devices to find the specific backup or file that you want to restore. Simply go to the BackupAssist Restore Tab, select the type of data you want to restore and BackupAssist will display all catalogued backups that match your selection. The backups displayed will be for active backup jobs, and grouped by the source data's location and the restore tool that can be used.

If you wish to load backups for deleted backup jobs and for other backup groupings on the Home page, select *Load backups* and then *Load all known backups*. Once you have browsed the selected backup to find the files you want to restore, the Restore Console will ask you to attach the appropriate backup device so the data can be retrieved.

A second copy of each backup catalogue is stored on the backup device itself. This gives you the capacity to restore data even if the local hard drive copies of the catalogues are lost or inaccessible, or if the backup has been moved from its original location. It also means that you can browse for and load a backup that was made on another machine.

5. Integrated Restore Console FAQ

Can I use the Restore Console to restore *any* backup I have made with BackupAssist?

The Restore Console has been specifically designed to make restoring easy from File Protection (including Rsync), File Archiving and System Protection backups. It also works with the BackupAssist Tape Archiving Add-on.

The Integrated Restore Console will not restore backups created using the SQL Continuous Add-on. For these, the SQL point-in-time restore tool should be used.

Browsing for my backup is taking a long time, why is that?

Loading backups into the Restore Console should take very little time, even for hundreds of backups. However, once you click on a date in the calendar, the Console has to reconstruct the file system from the backup record. That can take a few seconds, depending on the number of files and folders in the backup.

Can I restore my entire system using the Restore Console?

The Integrated Restore Console can restore VSS applications like Exchange, SQL and SharePoint using File Archiving, File Protection and System Protection backups. BackupAssist can also do a bare-metal backup using System Protection, and use that image to recover a system using the bootable RecoverAssist media, created using the Recovery tab.

Can I use the Integrated Restore Console to restore Rsync backups?

Yes, the Restore Console will restore Rsync backups. When you click *Restore* in the confirmation screen, the Restore Console will connect to your Rsync server and use Rsync to copy the files back to your system. If this computer or user has not connected to the Rsync server before, you will see a dialog box that asks you for the Rsync server details. This dialog box is very similar to the Rsync screen in the main BackupAssist console. Most of the details should already be filled out, but for security reasons you will have to register with the server and supply your password.

Will the Integrated Restore Console work with the BackupAssist Zip-To-Tape engine?

Yes, the Integrated Restore Console is fully compatible with the BackupAssist Tape Archiving Add-on and File Archiving backups. In fact, it will be the easiest way to restore files that have been backed up to tape, taking much of the tedium out of searching for the backup copies you want and restoring them to any location you choose. You can even restore from incremental, differential and copy backups made with the Tape Archiving Add-on.

Will the Restore Console work with encrypted backups I've created with BackupAssist?

If your backup is encrypted, you will be prompted for the encryption password when the restore job accesses the backup. It is important that you keep a copy of your password in a safe place, as we cannot assist you with opening password-encrypted files if your password is lost or forgotten.

You can also use the encryption key to unlock an encrypted drive, by connecting the USB flash drive. BackupAssist will use the key to unlock the drive you are restoring from. You will not be prompted to do anything other than the normal restore steps.