

# ULTRABAC

UltraBac represents the knowledge and experience of having been in the backup and disaster recovery business for over 30 years. The software has been specifically developed for the latest Windows operating systems, while expanding support for heterogeneous network environments for a variety of clients. UltraBac is scalable from small to large users and caters to a wide array of diverse business computing environments. Our commitment to providing the best in backup and disaster recovery has earned us the reputation for producing reliable, fast, and innovative software containing many first to market features.

## **Active Cluster Server Backup**

UltraBac can back up and restore an ACTIVE Windows cluster. This capability has been proven at Microsoft's Redmond Campus test facility. Cluster failover support is also provided on the backup set level. UltraBac automatically restarts the backup if failover occurs during this process.

## **Auto Update**

UltraBac upgrade deployments are a snap with UltraBac's Auto Update. This functionality allows customers to easily deploy updates to hundreds of servers and workstations with minimal user interaction.

## **Barcode Media Pools**

Simply add a selection of tapes to a media pool and UltraBac will take care of the rest. It is no longer necessary to specify autoloader slots when scheduling backup jobs. Additional benefits of using media pools include space savings on tape, automatic inventory of bar codes, lower-level administration, and more in-depth logging information. Automated cleaning options for tape libraries are now available.

## **Centralized Management Console NEW**

A SQL-based console for optional reviewing of backup reports, and checking the status of past, present, and future backup jobs on every machine connected to the database. Additional abilities include searching for backed up files by date range, name or file type(s); and monitoring Managed Machines for related UltraBac activities (with jobs that are pending, in progress, completed, or for those offline).

## **Client Side Compression**

UltraBac integrates client side compression, allowing network backups to run up to one third faster. This standard feature automatically compresses backup files on remote servers and workstations before they are transferred across the network to the centralized backup machine. Client side compression increases backup speed while decreasing the use of network bandwidth.

## **Command Line Option**

UltraBac allows for both GUI-based and command line backups for maximum flexibility in both backups & restores on local and remote hosts. Organizations with minimal technical abilities can directly integrate backup into their processes, based on their own requirements. Most GUI interface functions are also available at command line level, so batch files may be used to automate UltraBac commands if the user prefers. Improvements have been made in many areas including searching media, viewing volume information, preparing media, and ejecting media.

## **Differential Image Backup**

Differential image backups take a full image snapshot then, when subsequent differential images are performed, UltraBac will only back up the sectors that have been modified since the last full image backup, saving space on storage devices. For example, a network administrator could schedule a full image backup once a week on Sunday and only back up the changed sectors Monday through Saturday, allowing him/her to have full image restore capability (down to the day) with little more than a single full image backup stored.

## **Disk-to-Disk Backup**

UltraBac can back up data to any removable media on a network. Disk-to-disk backups are compressed, reducing disk storage requirements and making them VERY FAST. Disk-to-disk incremental backups scheduled at intervals throughout the day can prevent loss of a day's work if a disk crash or other data loss occurs between nightly backups. Supports up to 1500 backup path devices.

## **Encryption**

UltraBac provides administrators an optional encryption function that when applied, securely protects sensitive customer information and confidential company data. The Federal Government's Gramm-Leach-Bliley Act specifies organizations that are required by privacy laws to fully protect sensitive information. The act affects "any institution the business of which is engaging in activities that are financial in nature, or incidental to such financial activities." This includes national banks, federally chartered thrifts, FDIC depositories, insurance companies and agencies, securities firms, and other companies that offer financial products and/or services. To help its commercial and government customers comply with this act, UltraBac provides AES (Advanced Encryption Standard) Encryption. The AES algorithm is capable of using cryptographic keys of 128, 192, and 256 bits to encrypt and decrypt data in blocks of 128 bits. It is configured globally on the device level providing fully compliant data security. As a built-in feature of the software, UltraBac's AES functionality easily allows administrators to set the appropriate level of encryption protection as needed. This feature provides users powerful data security at no extra charge.

## **Exchange Agent**

UltraBac's Exchange Agent is capable of running local and remote backups of live databases without shutting them down. This minimizes downtime for an Exchange mail server, essential for any enterprise backup scheme. The Exchange Agent uses the Exchange API for fast backup speeds and absolute minimum downtime during restoration. Allows SMTP email notification and single mailbox recovery. Supports Exchange 2013, 2010, and 2007 with VSS support, 5.5, 2000, and 2003 backups.

## **Express Index™**

UltraBac's Express Index™ tremendously improves restore times on DLT and QIC multi-track technology tape drives by pinpointing the exact location of a file on tape. This completely eliminates the need to go back and forth searching for a particular file. Testing has conclusively proven that Express Index™ can reduce restore times on these types of backup devices from hours to minutes.

## **FTP and Secure FTP Device**

The UltraBac FTP Device provides UltraBac with the ability to direct backups to any FTP server compliant with the RFC 959 specification. This makes configuring an offsite backup location extremely easy. An FTP server with sufficient storage (even non-Windows hosts) is all you need. The requirements to configure UltraBac's FTP Device capability are very minimal: an address to a live FTP server, a valid login, and a server-interpreted path specifying where the data should be stored. The FTP Device is integrated seamlessly with UltraBac's Device Manager, thereby allowing the use of heterogeneous storage devices as backup media. In addition, Secure FTP (SFTP) provides better protection of user information. SFTP is supported so that all information transferred over the internet to the FTP device is encrypted, rather than just the backup sets themselves.

## **Hyper-V Agent **IMPROVED****

This option performs centralized virtual machine backups without the disruption and overhead of running backup tasks from inside each VM. With just a couple of clicks, users have the ability to choose which disks to back up. Unlike competitive products, the Hyper-V Agent also has the exclusive ability to back up only used space, even for fixed disks. Since less data is being backed up the process is faster and it saves on storage space too. Encryption strength has been increased to include 192 and 256-bit.

## **Locked File Backup**

Allows backup of locked exclusive files or a file to which Windows can not gain access while open, such as WINS database and local PST files. When UltraBac uses Locked File Backup, it temporarily "freezes" the partition and backs up all the data on the drive whether or not the data is locked by another application. Users can access the temporarily "frozen" partition while it is being backed up. Locked File Backup is now even more efficient in CPU and memory usage, and gives users the ability to do differential image backups as well.

## **Management Console**

UltraBac provides a user interface (UI) based on a tabular format similar to Microsoft's Office 2007. With visual and organizational improvements to almost every facet of the UI, UltraBac is more intuitive and easier to use than ever. A new notes field has been created for UltraBac sets and jobs. A user can maintain detailed information about an individual backup set or entire server backup job through the UltraBac Management Console.

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## **Media Builder Wizard** **NEW and IMPROVED**

Build WinPE3, WinPE4, and WinPE5 UBRD Gold restore CDs, DVDs, and USB keys. Easily add custom drivers to UBRD Gold, as well as any additional files, during the build process.

## **Native 64-bit Platform Support**

The same version of UltraBac available on 32-bit x86 platforms is also available on AMD64 platforms. UltraBac can back up between platforms, and even remotely manage different platforms as well.

## **Remote Administration**

UltraBac can connect to any other UltraBac console using the "Connect To" feature. The "Connect To" feature can be used to create sets on other UltraBac servers, view backup jobs interactively, edit sets or scheduled backup jobs, add new storage devices, and perform other administrative tasks.

## **Remote Installer**

UltraBac's Remote Installer centralizes the task of installing or updating the UltraBac application. Administrators simply double click on one setup.exe file to distribute and install the software to chosen servers and workstations on the network. MSI is no longer required for installation so users are able to set up or update as many remote locations as desired without manually installing the software on each machine. For example, an administrator from a remote centralized machine could automate the installation of 10 machines in approximately three minutes.

## **Remote/Local Server Agent**

Gives users the ability to push information from one server to another. The Remote/Local Server Agent compresses the data on the local computer before transferring it across the network, thus increasing backup speed significantly. Another feature of the agent is capturing the System State or Active Directory (for domain controllers) on a local or remote Windows machine. This feature is absolutely essential for disaster recovery on domain controllers. Without an Active Directory backup, it would be impossible to rebuild a crashed domain controller back to its original state. Now this critical task can even be achieved from a remote backup server.

## **Scheduler**

UltraBac's Scheduler has a flexible filter to define one-time, daily, weekly, and yearly scheduled backups. It has granularity equal to or better than a CRON-based scheduler. The scheduler interface is easily maneuverable and contains useful features like e-mail notification, batch file execution, autoloader support, storage media failover, and error checking options. The scheduler also contains an easy-to-use wizard to guide the user, step-by-step, in the creation of a scheduled backup. The graphical user interface has been enhanced with increased scheduling views, streamlined toolbars, and log file handling. It also provides the ability to schedule UltraCopy jobs directly from the scheduler pane.

## **Single File Restore from Image Backups** **NEW and IMPROVED**

Single File Restore (SFR) capability provides backup administrators the ability to restore single files from a mountable image backup when the SFR option is enabled. Perform immediate file and folder recoveries from a backup.

## **SQL Server Agent** **IMPROVED**

UltraBac's SQL Server Agent allows backup of an open Microsoft® SQL Server database without shutting down the database service beforehand. The SQL Server Agent uses Microsoft APIs to run the backup and restore, thereby insuring speed and reliability of the backup. UltraBac can restore a database to its original location or move it from one SQL server to another. Supports SQL Server 2014, 2010 (VSS), 2008, 2005, 2000, and 5.5.

## **Storage Device Manager**

This feature allows the backup administrator to use a remote tape drive on the network as a storage device. Remote autoloader administration can also be accomplished. The Storage Device Manager facilitates centralized backup storage, which can be a much more efficient and organized solution, especially helpful when recovery is needed "on the fly." Users may choose to keep a specified number of successful backups in the backuppath device. Supports all remote tape devices.

## **Thin Disk Provisioning**

This feature allows users to assign and commit virtual machine disk (VMDK) space on demand. Virtual disks may be created without provisioning all of the storage required up front. The virtual disk starts small and is allocated on demand as the space is used. By developing the product using VMware's vStorage API, UltraBac is now able to assist with dramatically increasing virtual machine storage utilization.

## **Tivoli Storage Manager Device**

UltraBac Tivoli Storage Manager Device allows UltraBac to write data to a Tivoli Storage Manager server. UltraBac manages the administration of the backup and restore processes, while Tivoli manages the media that these backups are written to. The device is built atop the Tivoli Storage Manager API for a robust interface with the Tivoli Storage Manager architecture, and has been qualified for TSM API levels 4.2 and above. Requires UltraBac Single Server License.

## **UltraCopy **IMPROVED****

This very convenient utility is designed to allow duplicate tape copying between tape drives; the ability to duplicate a disk backup to tape; and take multiple disk backups, copy, and consolidate them in their native UltraBac format to tape with built-in media spanning capability. It can also send all backups to disk, while setting up a job to run UltraCopy. This innovative tool then duplicates the backups to tape for offsite storage. This utility, like UltraBac itself, has command line functionality so users can script this process to occur whenever they like. UltraCopy also features library / media pool support, device support verification, and speed enhancements when restoring from UltraCopy. New option to eject tape is now available.

## **Ux Agent **IMPROVED****

UltraBac's Ux Agent supports file-by-file backups with full and incremental strategies for point-in-time restores. Perform differential backups, and take advantage of remote backup capabilities for Linux (openSUSE, Red Hat, SLES) with centralized reporting.

## **Ux Image Agent **IMPROVED****

UltraBac's Ux Image Agent provides image backup and disaster recovery for the Linux platform (OpenSUSE, Red Hat, SLES). Perform a bare metal restores in minutes by booting from the Ux Image Agent Restore CD.

## **Virtual Disk Agent**

UltraBac's Virtual Disk Agent provides the ability to create VMware ESX and GSX VMDK files, as well as Microsoft VHD files, during a regular Windows image backup. The unique feature of subsequent differential and incremental backups automatically updating the base virtual disk file is expanded upon by no longer requiring performance to a UNC share path. By writing the file directly inside ESX Datastores or VHD files, a virtual disk upload is not necessary if a disaster occurs.

## **Volume Shadow Copy Service**

UltraBac provides an option for file-by-file backup customers to use Microsoft's Volume Shadow Copy Service (VSS) to safely freeze open files for backup, in lieu of the proprietary UltraBac Locked File Backup Agent. VSS is a user selectable option for file-by-file, as well as image backups, on both 32 and 64-bit machines.

## **vSphere Agent **IMPROVED****

This option performs centralized virtual machine backups without the disruption and overhead of running backup tasks from inside each VM. Changed Block Tracking (CBT) reduces the backup window and provides amazing restore speeds. The agent's ability to execute these incremental backups of virtual disks allows VM images to be updated every few minutes and recovered to a specified point-in-time. The vSphere backup server may now be run from the guest virtual machine (VM) itself. Since no physical backup server is needed, this allows users to install and run backup operations from a VM within vCenter. Additional support for Single File Restore with UAC (user access control) active and NFS datastores. Encryption strength has been increased to include 192 and 256-bit. The agent now supports backing up a VM with CBT turned off.