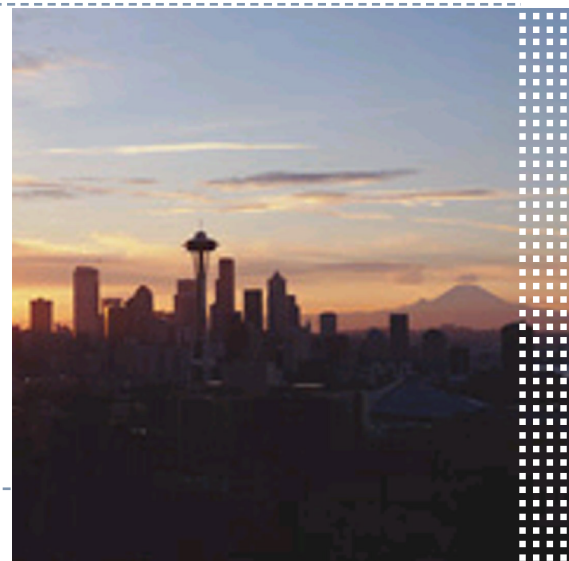


# Backup & Disaster Recovery

ULTRABAC  
SOFTWARE

UltraBac products have earned a reputation for providing reliable, fast and innovative backup & disaster recovery software for organisations of all sizes. UltraBac Backup and Disaster Recovery for Windows was released in 1995 and the UltraBac product suite has been enhanced and expanded to meet the challenges of the continually changing requirements of new technology. XuiS is proud to offer one of the most flexible and innovative backup and recovery products available in the market.



BACKUP AND DISASTER RECOVERY SOFTWARE FOR BUSINESS

## Backup and Disaster Recovery - *Base Products*

### ULTRABAC

File-by-file backup is the basic standard for data protection, but there is nothing basic about UltraBac. The software has been specifically developed for the latest Windows operating systems and supports all network types in use by clients worldwide. The code was programmed in C and C++ which translates to being highly compact (no code bloat) compared to competitive products. 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. Assisting customers with their data protection is our priority – compare our average three-minute technical support hold time with what you've got now!

### UBDR GOLD

UBDR Gold has been carefully designed to provide the utmost in server and workstation protection by minimizing excessive and costly downtime that usually accompanies a failed computer system. If and when an unbootable condition does occur, UBDR Gold can return the average machine to its operational status in 15 minutes or less. Perform true dissimilar hardware restores with UBDR Gold's physical-to-physical (P2P) disaster recovery feature. This means, for example, if an HP server fails, a backed up OS image can be restored to a Dell server and successfully booted. Physical-to-virtual (P2V) based disaster recoveries allow organizations to recover a server and emulate it virtually 100% in as little as 15 minutes. Gold also supports virtual-to-virtual (V2V) and virtual-to-physical (V2P) recoveries, providing users with every available virtual disaster recovery option. UBDR Gold can also be 100 percent scripted for both backups and restores. This means remote sites can be fully recovered automatically without any local administration. Unbootable servers can be quickly restored and brought back online with this seamless and completely automatic process.

### ULTRABAC ULTIMATE BUNDLE

The UltraBac Ultimate Bundle provides the best all around protection for your business server. The product combines the standard backups of UltraBac with UBDR Gold disaster recovery. This provides one server with quick file-by-file and/or bare metal restores. Plus, users have the ability to perform dissimilar hardware restores and virtual recoveries.

### ULTRACOPY

UltraCopy provides businesses with the ability to perform disk-to-disk-to-tape operations using any disk and tape hardware combination rather than having to buy an expensive dedicated device. It may also be used to duplicate tapes between tape drives and take multiple disk backups, copy and consolidate them in their native UltraBac format to tape with built-in media spanning. When multiple disk backups are copied to tape, the process creates a new index on the tape which provides immediate one step restore functionality. The program has a command line interface for integrating the copy function into unattended backup operations. A built-in migration function is also available so primary mission critical backups can be automatically copied to secondary locations, including off-site. Users can then manage and monitor multiple device backup migrations from one central location.

## Virtual Backup

### ULTRABAC HYPER-V AGENT

The UltraBac Hyper-V Agent is the only agentless backup product on the market with the ability to choose the target disk format (VHD or VHDX). The software defaults to the setting "Keep Original Source Disk Format", however, users have the option to choose VHD or VHDX format. This also means the Hyper-V Agent has the unique ability to perform two-way conversions. A user can back up in VHD disk format and restore in VHDX format, and vice-versa, with just a single click of a mouse. Users even have the option to switch between thick (fixed size) and thin (dynamically expanding) disk types on-the-fly during restore. No extra time is needed during the restore process to perform these different types of conversions. Unlike competitive products where a user must perform a restore, as well as a conversion, the Hyper-V Agent does the conversion for you during the restore process – no other steps are required.



## Virtual Backup - *continued*

### **VIRTUAL DISK AGENT and VIRTUAL DISK UTILITY**

The Virtual Disk Agent is available for purchase with UBDR Gold, or users can purchase the Virtual Disk Utility which is a stand-alone product. Both versions create either a VMware ESX or GSX VMDK file, or a Microsoft VHD file during ad hoc or scheduled backup operations. When used as an agent with UBDR Gold, the software can also concurrently create an image backup. When both products perform incremental and differential backups, the changed blocks are simply copied and updated in the corresponding VMDK/VHD file. This means that every backup either creates or updates a virtual machine that can be powered on as a failover server in less than 3 minutes – no additional processing is required! What is totally unique about these two offerings is that incremental and differential backups automatically update the base VMDK/VHD with only the changes from the last backup directly inside the datastore. Should a disaster strike, all an administrator needs to do is power on the backup VM to enable the failover server to resume operational status.

### **VSPHERE AGENT**

The vSphere Agent 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.

## Backup and Disaster Recovery - *Agents & Options*

### **ULTRABAC EXCHANGE AGENT**

The UltraBac Exchange Agent allows local and remote backups of live, operational databases without shut down. This is a required UltraBac option for 24x7 operation. The agent uses Microsoft Exchange APIs for fast and reliable full & incremental database dumps. Protects Exchange 2013, 2010, and 2007 with VSS support, as well as Exchange 2003, 2000, and 5.5. Also provides SMTP email notification.

### **FTP DEVICE**

The FTP Device provides the ability to perform direct backups to any FTP or SFTP server compliant with the RFC 959 specification. This makes configuring an offsite backup location extremely easy. An FTP or SFTP server with sufficient storage (even non-Windows hosts) is all you need. The requirements to configure the 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.

### **ULTRABAC ORACLE AGENT**

The UltraBac Oracle Agent allows the backing up of an Oracle Server database without closing the application. Allows hot and cold backups locally or remotely. Supports version 8i and greater.

### **ULTRABAC SQL AGENT**

The UltraBac SQL Agent allows local and remote backups of live, operational databases without shut down. This is a required UltraBac option for 24x7 operation. The agent uses Microsoft SQL APIs for fast and reliable full & incremental database dumps. Provides recovery of a database to its original location or restoration to a new location and SMTP email notification.

### **TSM DEVICE**

The TSM (Tivoli Storage Manager) Device allows UltraBac to write data to a Tivoli Storage Manager server, where Tivoli's unique storage management features can be leveraged alongside UltraBac's rich client-level backup strengths. UltraBac manages the administration of the backup and restore processes, while Tivoli manages the media that these backups are written to. This allows users with existing Tivoli Storage Manager installations to utilize these processes for their backups, as well as providing an avenue for UltraBac users desiring enterprise-level media management facilities to combine the strengths of UltraBac and Tivoli offerings. 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.

## Linux Backup

### **ULTRABAC UX (FILE) AGENT**

The UltraBac Ux Agent provides file level data protection for a Linux server (OpenSUSE, Red Hat, SLES) from a Windows server.

### **ULTRABAC UX IMAGE AGENT**

The UltraBac Ux Image Agent can cold boot a Linux machine and perform an image based backup to any local or remote storage device. Recover a "dead" machine in minutes by booting from the Ux Image Agent Restore CD. Simply insert the CD, boot, browse, click on the saved image, restore and reboot.

### **ULTRABAC UX BUNDLE**

The UltraBac Ux Bundle provides the best all around protection for your Linux server. The product combines the standard file backups of UltraBac with fast image disaster recovery. This provides quick file-by-file or bare metal restores at your fingertips.