



iwsBackup

iwsBackup is a **high performance** disk based backup and recovery solution for small to medium businesses. The iwsBackup Box is connected to your network and configured through an intuitive web based interface.

iwsBackup is *not* a network attached storage device, but an **intelligent** system that pro-actively backs up servers, desktops and laptops on your network. Backup clients need not be permanently attached to your network, and don't have to be left on overnight.

No user interaction is required, backups are **automatic** and users will not be aware when a backup is in progress.

Users may browse backups via a web interface and **restore** single files, multiple selected files, or whole directories, all without help from IT staff.

Simple to set-up, simple to restore from, the iwsBackup is available to backup systems from 300GigaBytes right up to 2 Terabytes!



Model shown: iwsBack 300

iwsBackup Features

1. Backup servers, desktops and laptops pro-actively, and automatically
2. Easy recovery of files and directories via a simple web interface
3. Intelligent backup of infrequently connected laptops
4. Efficient backup compression and data pooling, greatly increasing backup capacity
5. Failsafe backup server. Your backups can be archived and kept off-site

iwsBackup Architecture

iwsBackup is based on a proprietary operating system that operates on a low power CPU board. The Operating system is completely independent from the backup data storage. This makes the iwsBackup device extremely resilient to power outages.

The internal data storage can be backed up to an external disk, allowing an offsite backup to be kept. In the event of a disaster and the loss of the iwsBackup server, the data can be completely recovered from the external storage simply by connecting to a new iwsBackup server.

The iwsBackup server operates by periodically checking for the availability of backup clients on the network. When detected, a backup will commence, should one be required. Incremental and full backups are kept for as long as configured for each user.

Files to be backed up are compressed before saving to the backup pool. Identical files from different machines will be stored only once, allowing for huge savings in required storage. Files that are held open on the backup client can also be backed up by a utility on each applicable client. This method is commonly used to backup the Outlook PST files on desktops and laptops, but may also be used to backup open server databases.

ivsBackup – Key Features

- All backups are compressed
- Identical files only stored once, regardless of originating system
- Windows, Linux and MAC clients can all be backed up
- Capable of backing up laptops that are only occasionally connected to the network
- No client software required
- Multi-threaded backup architecture
- Backup 'pool' may be archived to external USB drive for off-site storage
- Multiple backups and incremental backups may be stored for each client
- Backups browseable via a web interface
- Users only have access to *their* backups
- Restoration of a single file, a selection of files, or a whole backup is a simple operation

Typical Configurations

Very Small Business with a single desktop and a laptop

The desktop requires a 10GB backup, the laptop a 4GB backup. As many files are shared between the two machines, ivsBackup can store 2 weeks worth of full backups and 6 days of incremental backups in less than 20GB

Small Business with a single server, 5 desktops and 4 laptops.

Each laptop and desktop requires 4GB backup, the server requires 20GB. 300GB iBack can store:

- 1 weeks worth of incremental backups for each client
- 1 months worth of weekly full backups for each client
- A three month, six month and annual backup for each client

Business using ivsBackup to backup 100 laptops

Each laptop backup averages 4GB, with incremental backups about 0.3GB. To keep three weekly backups and six incremental backups would normally require around 1400GB. With pooling and compression used in ivsBackup this will all fit on the 300GB model.

About Imhotek

Imhotek Limited is a privately owned company that specialises in providing Messaging and Office system consultancy, services and products. Imhotek has a long history of working with small and medium businesses as well as large corporates, For more information visit our web site.

Imhotek ivsBackup

Technical Specifications

ivsBackup Server

- Dedicated device
- Low power CPU
- Low noise
- 100Mbps network access
- USB 2.0 for offsite archive creation
- Firewire access
- Supports all Windows clients
- Supports UNIX/Linux clients
- Supports MAC OSX clients
- (Raw) Internal capacity 300GB to 2TB, depending on configuration
- Clever file pooling decreases required capacity
- Compression gives around 40% reduction in size

Client

- No software required on client
- Current tested platforms:
 - Windows 95 and above
 - Linux
 - MAC OSX

ivsBack models

Two chassis styles are available, one with fixed storage, the other is upgradeable:

- ivsBackup 300 provides 300GB raw storage giving a typical capacity between 0.5TB and 1.5TB. Not upgradeable
- ivsBackup X provides 500GB raw storage. Upgradeable to 2TB, giving a typical capacity between 3TB and 9TB

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