



# Integrity - Remote Backup Manager (RBM)

The ultimate backup solution for your company



# Data loss is a nightmare

## Your data are growing exponentially

If you find yourself now in a situation where you have to deal with an explosion in the volume of your business data, you are not alone. The accelerating pace of data creation, accumulation, and diffusion is becoming an increasingly common phenomenon among companies throughout the world today. Data are growing exponentially due to widespread use of the Internet, email, and media-rich software. As early as 2002, International Data Corporation (IDC) projected a dizzying annual data growth rate of 80%.

# Data loss is a nightmare

## 1MB of data is worth US\$10,000

Viewed from a strategic perspective, your data represent the core of your business. You have invested a lot of TIME, MONEY and EFFORT in developing your business data. Contracts, sales records, proposals, accounting records, marketing material, business contacts, emails, and even digital photos taken in important events, etc., make up the bulk of your invaluable business assets, which you cannot afford to lose. Studies have shown that:

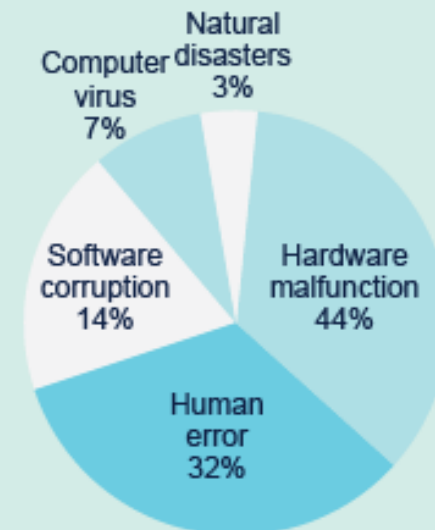
- 1MB of data is worth approximately US\$10,000.
- Re-building just 20MB of lost data could cost more than US\$17,000 and take nearly three weeks to complete.
- A leaked record may cost you US\$180 to rectify.
- Retrieval of data from a crashed hard drive is often extremely costly, and there is NO GUARANTEE of success!

# Data loss is a nightmare

## Data loss makes your business suffer

- Your business data go hand in hand with your business operations. The loss of such data, or even their temporary inaccessibility, may threaten your hard-earned competitive position.
- Companies without proactive backup and recovery policies are likely to be OUT OF BUSINESS within 2 years of a major disaster.
- Loss of business data may ruin your company's reputation, and may lead to expensive litigation.
- Worst of all, it interrupts your business continuity.

### Causes of data loss



Source: Ontrack survey in 2002

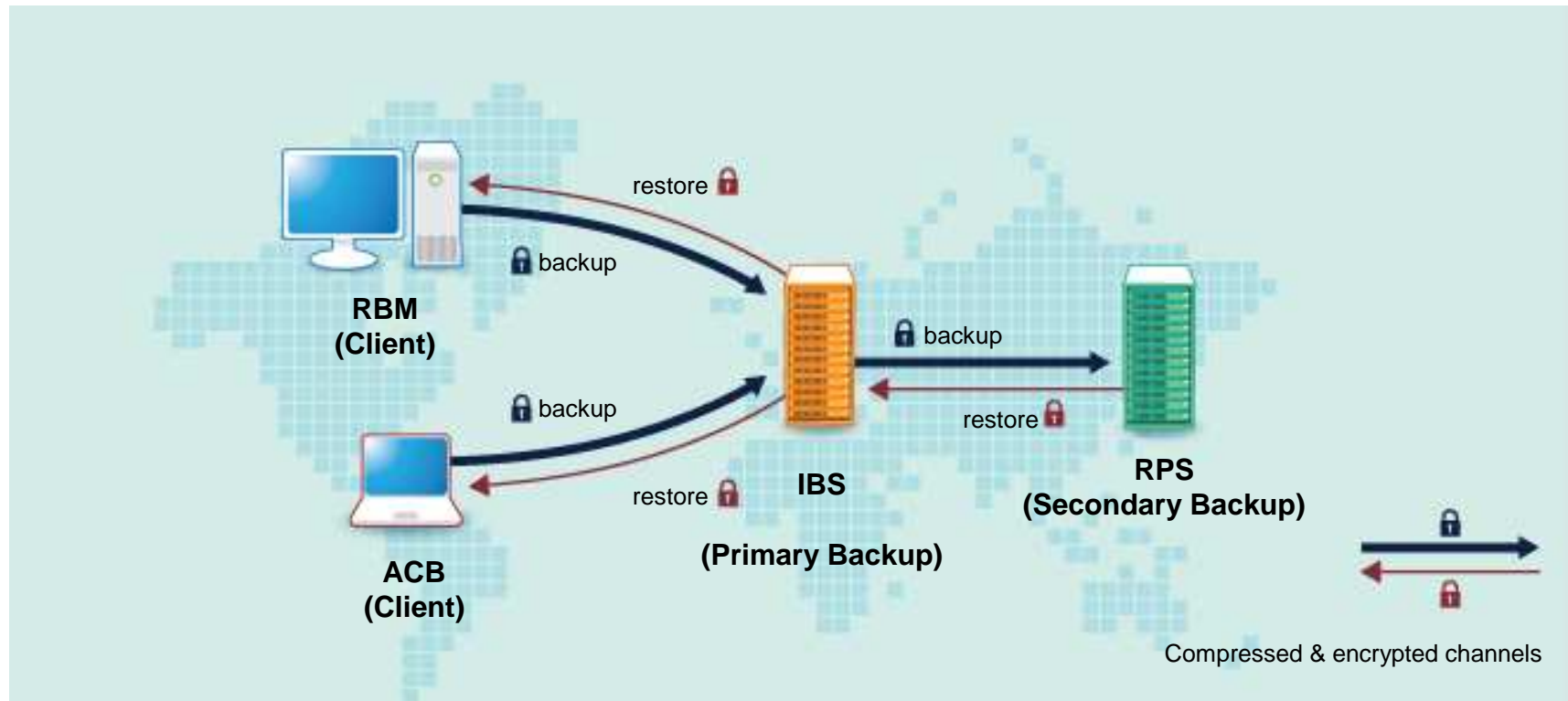
## Conventional approaches to backup are not good enough

Poor “unstructured” conventional backup methodologies, such as tape, CD Rom, external hard drive, and flash drives etc., are not good enough because of:

- High failure rates during restoration
- Slow read / write speed
- Difficulty in detecting problems of backup before performing restoration
- High maintenance cost
- Expensive offsite storage of tape library
- Reduced flexibility for backup caused by fixed capacity per backup media
- Increased likelihood of occurrence of negligence-induced problems (e.g. lost or misplaced data)

# What makes Remote Backup Manager the ultimate backup solution

## Relationship among the 4 components of Integrity Remote Backup



# What makes Remote Backup Manager the ultimate backup solution

## Continuous data protection

Integrity's Remote Backup advanced continuous data protection (CDP) technology captures every version of a file that has been saved to your hard drive. With CDP, even if your hard drive crashes completely after you have worked for a full day without invoking backup manually yourself, the saved copy of your working files will still be intact on the backup server. It provides a highly dependable means of real-time, continuous data protection for servers, desktops, and laptops effortlessly and transparently, without any human intervention. In addition, backup will only run when the computer is idle, or when the level of CPU utilization falls below a specific percentage (e.g. 20%), leaving backup operation completely transparent to users.

The virtue of backup is to make copies of critical data so that these additional copies can be used to restore the original following a data-loss disaster. With Integrity Remote Backup, data will be copied, compressed, 128-bit / 256-bit encrypted and finally uploaded to a remote server located offsite through Secure Sockets Layer (SSL). These backed up data are 100% restorable to their original formats, when needed, by simply clicking a few buttons. In addition, Integrity provides another level of protection by allowing replication of the remote backup server(s) to another remote location. This gives a double protection that cannot be provided by other backup software alone.

# What makes Remote Backup Manager the ultimate backup solution

## All platforms and common databases supported

Integrity Remote Backup supports all leading operating systems which can run Java2 Runtime Environment 1.4.1 or above, which are essentially all operating systems, including Windows, Linux, Mac, NetWare, UNIX, NAS devices, etc. Besides, Integrity Remote Backup comes with modules specially designed for backing up common database applications, including Microsoft Exchange Server, Microsoft SQL Server, Lotus Notes/Domino, Oracle and MySQL. This allows you to back up all these databases professionally as recommended by their respective software vendor easily without requiring you to know how it works technically behind the scenes. If the databases or application you are using in-house are not listed here, don't worry. Our extensible and easily configurable command line tools enable you to add custom backup logics to basic backup operation through simple scripting.



# What makes Remote Backup Manager the ultimate backup solution

## Support of load-balancing and Windows Active Directory

The newly added load-balancing feature is ideal for larger enterprises that have a sizable number of client computers to back up concurrently, as multiple Integrity Remote Backup Servers can be run at the same time to spread the loading of concurrent backup. This makes it possible for the backup system to achieve optimal resource utilization, throughput, and response time. Moreover, system reliability is greatly improved with added redundancy.



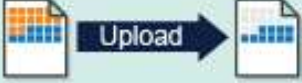





The support of Windows Active Directory (or LDAP) allows user backup accounts to be created automatically and backup quota to be shared by a group of users. Aided by Windows Active Directory, system administrators are able to customize the default backup setting for different users or user groups. It even allows client-side backup setting to be overridden by server setting at the system level, user level, and backup set level. This flexible and highly extensible architecture makes complex requirements on system and user administration an easy task for novice administrators.

# What makes Remote Backup Manager the ultimate backup solution

## Backup 500GB in one night

Our seed load and in-file delta technologies enable backup of a large volume of data to be completed in a very short period of time. The seed load feature allows backup of the large volume of data to a local hard drive. With our proprietary in-file delta technology, the original file is required to be backed up once only, i.e. in the first backup job. Subsequently, only the changes within the file made since the previous backup are necessary to be backed up.

For example, for a file that is as large as 500GB, you can simply seed load the full backup to an external hard drive and then deliver the external drive to Integrity Systems, where the drive will be loaded to the servers. Since only the changes made within the 500GB file, normally less than 1%, i.e. 5GB, of the original file size, are required to be backed up again, this amount of data can be backed up easily to the server via the Internet in one night. As a result, instead of having to back up 500GB everyday, you just need to back up 5GB everyday to keep the file up-to-date on the backup server.

Date	Incremental	Storage space (GB)
DAY 1	 Seed Load 	(Full) 500
DAY 2	 Upload 	(Full) 500 + (Delta-1) 5 Total=505
DAY 3	 Upload 	(Full) 500 + (Delta-1) 5 + (Delta-2) 5 Total=510
DAY 4	 Upload 	(Full) 500 + (Delta-1) 5 + (Delta-2) 5 + (Delta-3) 5 Total=515

# What makes Remote Backup Manager the ultimate backup solution

## Backup individual mail in Microsoft Exchange Server

Microsoft Exchange Server is one of the most popular email servers used by businesses of any size. Integrity Backup Software's built-in Microsoft Exchange Server Backup Module allows you to back up all critical data within Microsoft Exchange Server, including individual email, calendar, and contact list, etc. This capability makes Integrity an ideal backup tool for Microsoft Exchange Server.

# What makes Remote Backup Manager the ultimate backup solution

## Limited cost, unlimited protection

Once Integrity Remote Backup is deployed in your company, your invaluable data are protected against virus, theft, environmental impact, hardware failure, and accidental deletion, etc. While the cost of investing in Integrity Remote Backup is limited, the value of critical business data it protects and the potential benefits you can derive from these data are enormous and unlimited. It is a highly useful product on which you can rely to safeguard your business interests and put your mind at ease at the maximum comfort level.

# What makes Remote Backup Manager the ultimate backup solution

## Easy to use and manage

After the initial setup of Integrity's client-side backup application, backup jobs will be run automatically every day without requiring human effort. Restore operation can be done in just a few clicks when needed. With Integrity's integrated web administration console, system administrators can easily manage the accounts of all backup users. Integrity Remote Backup always keeps users and system administrators updated by sending out comprehensive backup reports via email on a daily basis.

# Our professional services give you peace of mind

## Express startup service

Integrity's express startup service aims to assist you in installing, configuring, and customizing the Integrity Remote Backup Software. Once the hardware and the underlying operating system are in place, our professionals will perform all the software installation and configuration remotely on your behalf. This saves you both time and effort in studying the user guides and documentations to get everything running.

## Around the clock customer services

Upon our professional customer service team's receipt of your enquiry, we will work closely with you to resolve any technical problem that you might have run into. We guarantee that you will:

- Hear back from us within 24 hours;
- Obtain to-the-point and satisfactory answers; and
- Receive professional service until the problem is resolved.

## Pricing – Grocery Store Environment

### Including POS Backup

Remote Backup Manager (RBM)	
Single Store Operation	\$ 20.00 per month
Multi Store License	
+ additional 2 GB per license	\$ 20.00 + \$7.50 per store / per month
Number of Backup Sets	Unlimited
Initial Storage Space	20 GB
Backup Space over 20 GB	\$ 1.00 per GB
Setup Fee / Installation	\$ 99.00

Additional Software will need to be installed into your POS system.

This will be completed by your POS provider.

**Try our software immediately!**

**Get your critical business data protected now!**

Our free trial software is available at

**[www.IntegrityOK.com](http://www.IntegrityOK.com)**

**Thank You!**

**Q&A**



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