



SecureVault Online Backup Solution Customer Presentation

OGCIO

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Marketed by: **HKNet**
an NTT Communications Company

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NTT Com Asia
www.ntt.com.hk

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1. Overview

- **Data backup overview**
 - Client PCs or Workstations

Client side information scenarios

- Laptops or desktops store users' latest information (Emails, Word documents, excel files, presentation files, etc.)
- When disaster such as losing a laptop or crashing of a hard drive strikes, **serious damage on data and productivity can be induced.**

When was the last time you did a backup?

How did you do your backup?

Traditional Backup Methods

Client Backup usually done by uploading files to a file server

- Not an automated process – prompt to human errors
- Not flexible and scalable enough to keep up with rapid data growth
- Risks in data security as backup files are usually not encrypted
- Versioning and file retention of backup data is complex
- Server Backup usually done by scheduled data replication to storage

Server Backup usually done by scheduled data replication to storage systems (Disk / Tape rotation)

- Slow data restoration time
- Usually no instant remote access to data stored
- Risks in data security backup files are usually not encrypted and stored in portable media.
- High cost involved in software and hardware

1. Overview

- Traditional backup method comparison:

	Online	Disc	Tape
Durability	☆☆☆	☆☆☆	☆
Ease of Maintenance	☆☆☆☆	☆☆☆☆	☆
Backup Performance	☆☆☆	☆☆☆	☆
Portability	☆☆☆	☆	☆☆☆☆

Traditional Backup Method Drawbacks

Uploading to a file server

- It depends on user action (not automatic or controlled)
- The stored files are not encrypted & may be viewed by the administrator
- Inefficient use of storage (no compression, no file-delta)

Recording to DVD/CD

- It depends on the user action (not automatic or controlled)
- Issues with managing the media (storing, protecting, labeling)
- Limited capacity of each media
- Recovery speed (locating the media, locating the required files, swapping media, etc)

Issues with PC backup

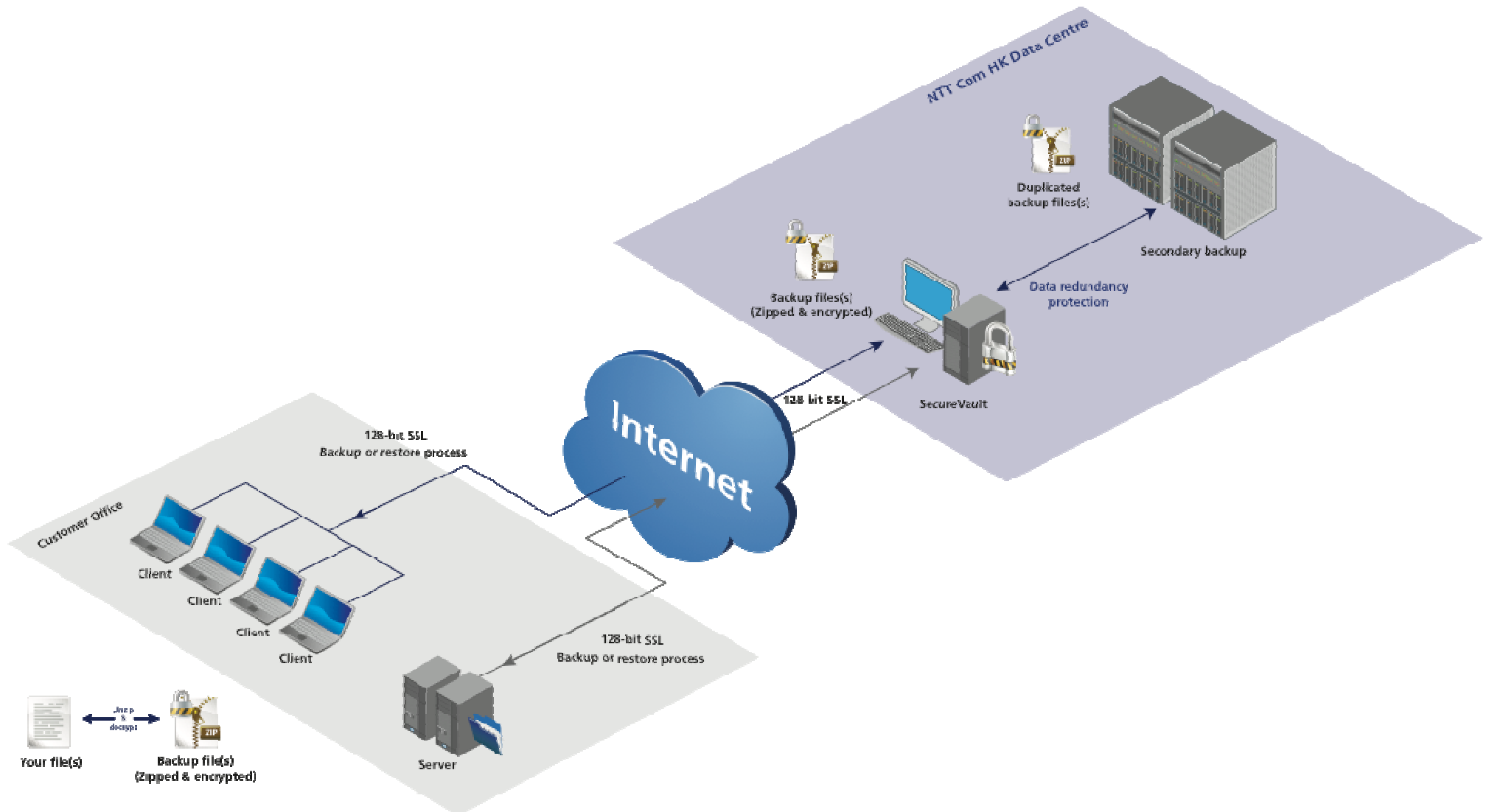
- Cost of client backup for everyone is high
- More importantly, high demand on resources in case of recovery

A better answer: SecureVault Online Backup Solution

2. SecureVault Online Backup Solution Service Offerings

2. Service Offerings

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2. Service Offerings

Types of backup services

Basic Backup services

- Customers open an account and backup data to our backup servers in our DC
- 2 types of backup plan (PC and Server)

Optional Items

- On-site installation/support (4 hours)

Optional items for Server Backup plan

- 100MB cross connect in Data Center

2. Service Offerings

Types of backup support

The screenshot displays the 'SecureVault Server Backup Manager' application window. The interface includes a sidebar with 'Backup' and 'Restore' buttons, a top navigation bar with 'Language: English', 'Save Setting', and 'Quit' buttons, and a main content area showing a 'Summary (samuel.cheung)' section. This section contains three sub-sections: 'Quota Usage' (Used: 18.06G / 50G (36%), Data: 18.06G (20,687 files), Recycle Bin: 0 (0 file)), 'Statistics' (Total Backup: 18.07G (22,715 files), Total Restore: 0 (0 file)), and 'Last Backup' (two backup sets, OLB2 Backup Set 1 and OLB2 Backup Set 2, both dated 2012-06-06, 21:00 (15 days) with 0 errors and 0 warnings). There are also buttons for 'Backup Log', 'Restore Log', and 'View log'.

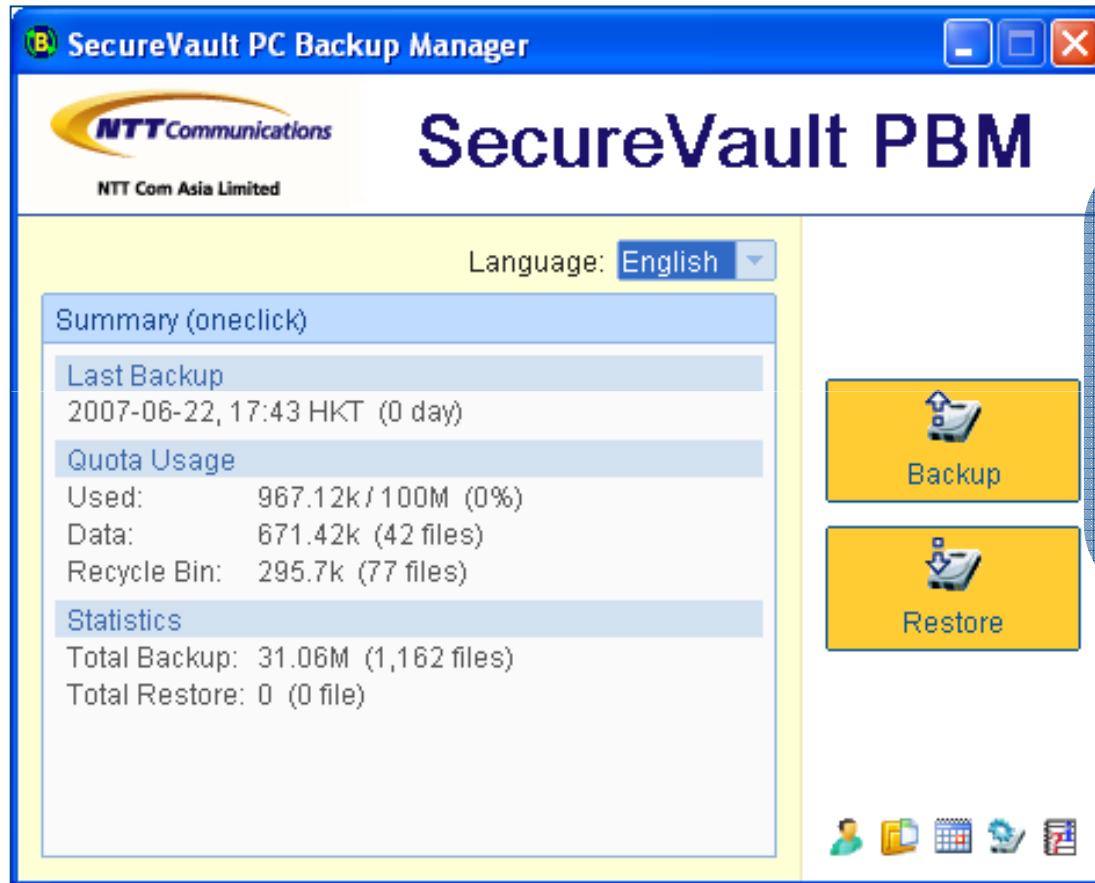
- **SecureVault Server Backup**
 - Full Server Backup Features
 - Ready to deploy for enterprise

2. Service Offerings

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Types of backup support



- **SecureVault PC Backup**
 - One click backup/ restore
 - Easy to setup; User Friendly
 - Great bargain

2. Service Offerings

Server backup vs PC backup

	Server Backup	PC Backup
Features		
Backup Set	Unlimited	1
Backup Scheduler		
Daily	Y	Y
Weekly	Y	Y
Monthly	Y	N
Yearly	Y	N
Multiple schedules	Y	N
Encryption		
Configurable by end-user	Y	N
Two Fish	Y	N
Triple DES	Y	N
AES	Y	Y

2. Service Offerings

Server backup vs PC backup

	Server Backup	PC Backup
O.S. Platform		
Windows XP/2003 / Vista/ Windows 7/ Windows 2008	Y	Y
Redhat Linux 6.0	Y	N
Mac OS X v10.6	Y	N
Retention Policy		
Simple - by days/jobs	Y	By days ONLY
Advanced – by weeks, months, quarters and years	Y	Y
Web Restore	Y	Y
Hardware	Server/PC	PC

2. Service Offerings

Security

- Data encryption with different encrypting algorithms of user's choice, e.g. TwoFish, Triple DES, AES
- File encryption with customer defined key before data leaves customer's computers
- Data are transmitted via 128bit encrypted SSL channel
- Data store in server stays encrypted with customer defined key to ensure no information leak is possible

Interface

- Instant restoration of backup data to any system through the Internet
- Remote backup data management and configuration
- Remote browsing of backup data to confirm successful and correct backups
- Web reports of backup data statistics and history for review
- Multi-language support: English, Japanese, Traditional Chinese, Simplified Chinese

BCP solution

- SecureVault Online Backup is an offsite backup solution that perfectly serves Business Continuity purposes
- SecureVault Online Backup server managed and monitored by NTTCA data center at a location independent of the customer premises

2. Service Offerings

Web based backup manager interface

The screenshot shows the SecureVault Online Backup Manager interface in Internet Explorer. The browser address bar shows <http://olb.ntt.com>. The interface includes a navigation menu with options like 'Profile', 'Backup Set', 'File Explorer', 'Report', and 'Settings'. A date selector is set to '2006-04-12 (13:00)'. Below this is a table of files and directories. A callout box labeled 'Individual login' points to the browser's address bar. Another callout labeled 'Select date to start recovery' points to the date selector. A third callout labeled 'Files in the backup set' points to the file list. A fourth callout labeled 'Select language' points to the 'Select Language' link in the top right corner.

File / Directory	Size	Last Modified	Zipped [Ratio]
..			
CBB_Promotion_Q405			
PrivateRooms			
SecureVault			
Teamworks			
ARROW.GIF	396	2005-07-03 15:12	400
confidential.gif	664	2005-07-12 12:00	640
ContentManagement.JPG	19k	2004-10-03 15:27	14k
FM_VPS1.JPG	38k	2005-07-31 17:47	31k [18%]
hknetlogo.gif	27k	2005-07-04 00:11	26k [3%]
JavascriptsEnable.JPG	36k	2005-11-02 18:20	29k [20%]
JavascriptsEnable2.JPG	42k	2004-10-03 17:49	34k [19%]
NTTLogo.gif	2k	2005-07-12 12:00	2k [0%]
NTTLogo1.gif	1k	2005-07-03 15:12	1k [0%]
NTTLogo2.gif	1k	2005-07-03 15:10	1k [1%]
NTTLogo3.gif	2k	2005-07-03 15:10	2k [0%]
Thumbs.db	49k	2005-11-02 18:20	26k [46%]
version51.gif	605	2005-07-12 12:00	576 [4%]
vIPNet.nif	52k	2005-07-30 16:52	52k [0%]

3. Competitive Advantages

3. Competitive Advantages

Reliable

- Data are stored in carrier grade server with high speed raid disk system
- Extra protection by replication server synchronized with main backup server
- Daily tape backup add another layer of reliability

Performance

- Data compression and in-file delta feature reduce actual data transmission size
- Variable transmission block size reduce transmission roundtrip

Automation

- Automatic scheduled data backup
- Individual recovery without IT involvement for client backup

Flexibility

- Suitable for both client and server backup
- Unlimited data size is available
- 24 x 7 x 365 technical support
- Can use as primary backup solution or in conjunction with existing backup infrastructure

3. Summary of service offering

- **Main features for client backup needs**
 - Data backup on any OS (Windows, Mac, Linux)
 - Automatic data backup with scheduler
 - Web interface for remote backup configuration, access, and recovery
 - Data backup through any IP network
 - Data retention control – (storage recycle and version control)
 - File-delta backup that backup only the portions that changed

- **Security**
 - Selectable choice of encryption algorithms (TwoFish, Triple DES, AES)
 - Files are encrypted with user defined key before leaving the computer
 - Data are transmitted via 128bit encrypted SSL channel

4. Why HKNet?

4. Why HKNet?

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High Level Security

- Remote backup servers are housed in our world-class data centers in Hong Kong with multi-level security measures, redundant facilities, and 24x7x365 monitoring to ensure 100% security for your data

Unlimited Storage

- Expand storage when needed to coincide with the growth of your business

Pay-as-you-go

- Lower-cost compared to maintaining in-house backup solutions

Multi-language Support

- 24 x 7 English, Chinese and Japanese support

5. Total ICT Solutions

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Global Connectivity

- Arcstar™ Global IP-VPN
- Arcstar™ Global e-VLAN
- Arcstar™ Global Leased Line
- Global Internet VPN
- IPv6 and IPv4 Transit
- Content Delivery Network
- Global TeleConference Service

Data Centre

- NTT Communications Hong Kong Data Centre
- Business Resumption Centre

Enterprise Hosting

- Cloud Hosting
 - Global Virtualization Service
 - Virtual Desktop
 - Virtual Infrastructure Hosting
 - Virtual Server Hosting
- Infrastructure as a Service
 - Dedicated Hosting
 - Hosted Storage
 - Enterprise Backup
 - SSL-VPN Gateway

Managed Services

Integrated Solutions

- Disaster Recovery & Business Continuity Plan

IP Connectivity

- SecureNet IP-VPN
- vIP-Net Premium Internet Service
- Internet Leased Line
- Commercial Broadband

Data Centre

- HKNet Kwai Chung Data Centre

Cloud Hosting

- Virtual Server Hosting
- Web Hosting

Cloud Applications

- TeamWorks Web Collaboration Service
- SecureFence Email Filtering Service
- SecureVault Online Backup Solution

Managed Services

Integrated Solutions

- vIP-Hosting
- vIPSec HK Gateway



End

For enquiries, please contact:
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