

Choice Case Study

Backup Solution for IVY Comptech Pvt Ltd

Inside This Case Study

About the Company	1
The Challenge	1
The Solution	1
The Benefits	4
About Choice Solutions	5

About the Company

IVY Comptech Pvt Ltd. based in Hyderabad is a premier provider of software products and solutions to the global online gaming industry. IVY Comptech is the wholly-owned subsidiary of PartyGaming.

IVY Comptech planned to implement a backup solution for data security and availability of the data on the server.

The Challenge

The environment at the client place was a heterogeneous environment, where Windows and UNIX operating systems were used with databases like Oracle, MS SQL.

Few of these databases are hosted in multiple SAN Storage boxes sourced from different vendors and few are in local hard disks. Few more servers are kept clustered at O/S level, application level and with third party clustering software.

They required an off-host backup to store a set of data tapes from the original location as well a set of data tapes should be made available at original location for data recovery.

The environment is 24/7 and users will get to access the applications globally. The requirement for the customer is the reduced backup window and LAN free backup for the servers which are hosted in SAN environment.

The Solution

1. VERITAS Netbackup

The Choice Solutions Ltd. team conducted a research on the locations available for the client to keep the set of duplicated copy of tapes at off-host. The backup data in the primary location should be written in two sets of data.

One would be used for original location restoration purpose and the second for the off-host purpose.

Choice Solutions Ltd. finally suggested that VERITAS Netbackup software to be deployed on their environment with a dedicated server which can take care of backup for the other server. Also, tape libraries should be connected to the SAN switch.

The SAN switches should have the provision to provide the accessibility to the servers which are connected to these switches and should identify the tape drives. The other servers where database is hosted on local disks will be backed up through the local LAN.

2. Key Solution Components

- *Backup Software:* Backup software for heterogeneous environments and robustness in backup to reduce the backup window. Software is deployed in a 3-tier architecture, including Master server and Media server. Master Server will control all the Media servers in the environment.
- *SSO Option:* The best agent was used along with Netbackup to help transfer the data between the storage box and the tape library without any interference of the original hosted servers.
- *LEO:* This option from the backup software helped a lot in accessing the tape drives connected in SAN Switch through the FC channels and writing the data at a high speed in the drives parallel.

The Benefits

The backup server will detect the different tape drives and libraries connected to different SAN Switches and guide the backup job data transfer between the multiple drives and libraries which will lead to optimum utilization of the hardware resources.

The backup server is able to perform the SAN and LAN based backups simultaneously between multiple drives. The recovery of the data is also in the same speed as customer will get the recovered data in less time window.

Leveraging the existing hardware will help reduce the investment by customer. The scalability of this architecture will allow the data recovery from the off-hosted tapes from there itself incase of the original is lost.

About Choice Solutions

Established in 1991 Choice Solutions Ltd. is a leading IT and Facilities solutions provider. Choice Solutions Ltd. business comprises of Six different practices, namely

IMS

- Desktop, Server, Network, Storage, Support, OS, Assets, Apps, Non IT
- Hardware - A-Add, M-Modify, I-Install, C-Change, R-Repair
- Assets, Security, Software Distribution, Upgrades

Networking

- Packaged Services Monitoring & Management
- Products, Security, Design, Deploy, Maintain
- Auditing & Compliance, SOC

Datacenter

- DC Audit, Monitor & Manage, Training
- Assess, Design, Built, Deploy, Disaster Recovery

Consulting

- Business Consulting, CIO & Technology Services, Physical Security, Power Devices, IT Consulting
- DC Consulting, ERP, CRM & Custom Apps

Cloud Computing

- Cold Site – Backup, Disaster Recovery
- Hot Site – HaaS, Software, Manage
- Public Cloud, Private Cloud, Hybrid Cloud
- CaaS, License Software, IaaS
- Disaster Recovery

Power

- Power Audit, Equipment Management
- Physical Security, Power Devices
- Power Saving Devices
- Design & Audit
- Renewable Energy Products