

S A F E W T E C H N O L O G Y L A B S

P E R F E C T E L E M E N T S P O W E R F U L S O L U T I O N S

Geecon Consultants Pty Limited - Case Study

Keywords : Ubuntu Server , Server Virtualization , FreeNAS , Bare-metal Backup , Samba

Company Background :

Geecon was founded to provide wealth creation for common man & do services across the globe. It is a part of Geecon Group which operates globally across various business segments. It has added several new financial products, and has acquired shelf space in the retail forex market. The company was founded by a Team of Software Professionals and experts in Internet Technology.

Domain : Finance

Problem Statement :

A Solution for FileSharing and Network Accessible Storage. They also need bare metal backup of each system over Network. The backup should be in the form of restorable image.

Environment and Setup :

The company has 20 Desktop computers and 2 Servers for their operations. They run on a 3rd Party hosted Mail server.

The setup consists of ,

Hardware :

X3200 M3

Intel Xeon E 3430 (Quad Core),

2.4 GHz, 8MB CACHE,

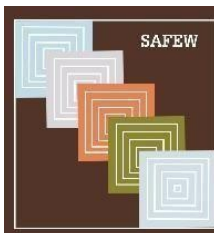
4GB RAM,

250 gb HDD + 6 TB HDD(2Tb*3) , Raid 5 controller card

DVDROM

Software :

Copyright : Safew Technology Labs Private Limited



S A F E W T E C H N O L O G Y L A B S

P E R F E C T E L E M E N T S P O W E R F U L S O L U T I O N S

[Ubuntu 10.04 LTS Server](#)

[FreeNAS](#)

[Kleo Backup](#)

Solution Provided :

Geecon had a simple network with all the computers sharing it via a single switch. IBM server was configured and setup with a Raid 5 controller card and 3 , 2 TB hard disk drives.

Server was plugged into the network and Ubuntu 10.04 Server was installed and configured on it.

Server Virtualization was installed and FreeNAS was installed on the virtual machine. The machine was assigned a static ip. It was shared via samba and NFS with the rest of the network. Desktops were provided a fixed quota on the server and access provided via windows desktops.

Kleo backup was then installed on the server. All the clients were one by one detected and brought under bare metal backup process manually. The path to store backup images was set on the main server.

Once the setup was in place, backup schedule process can be run on weekly basis. The images generated are in .kb format which is compatible with Kleo Recovery and broken down into segments of 2 GB each. Eg the partition is 8 GB , it will break the backup into 4 segments of 2 GB each.

Whenever required they can be installed on the system and recover the entire OS with the existing settings, and data.

Conclusion :

Server Virtualization with Samba, FreeNAS and Kleo Backup enables, Geecon to backup their data on 2 levels, individual desktops data through FreeNAS and Kleo Backup.