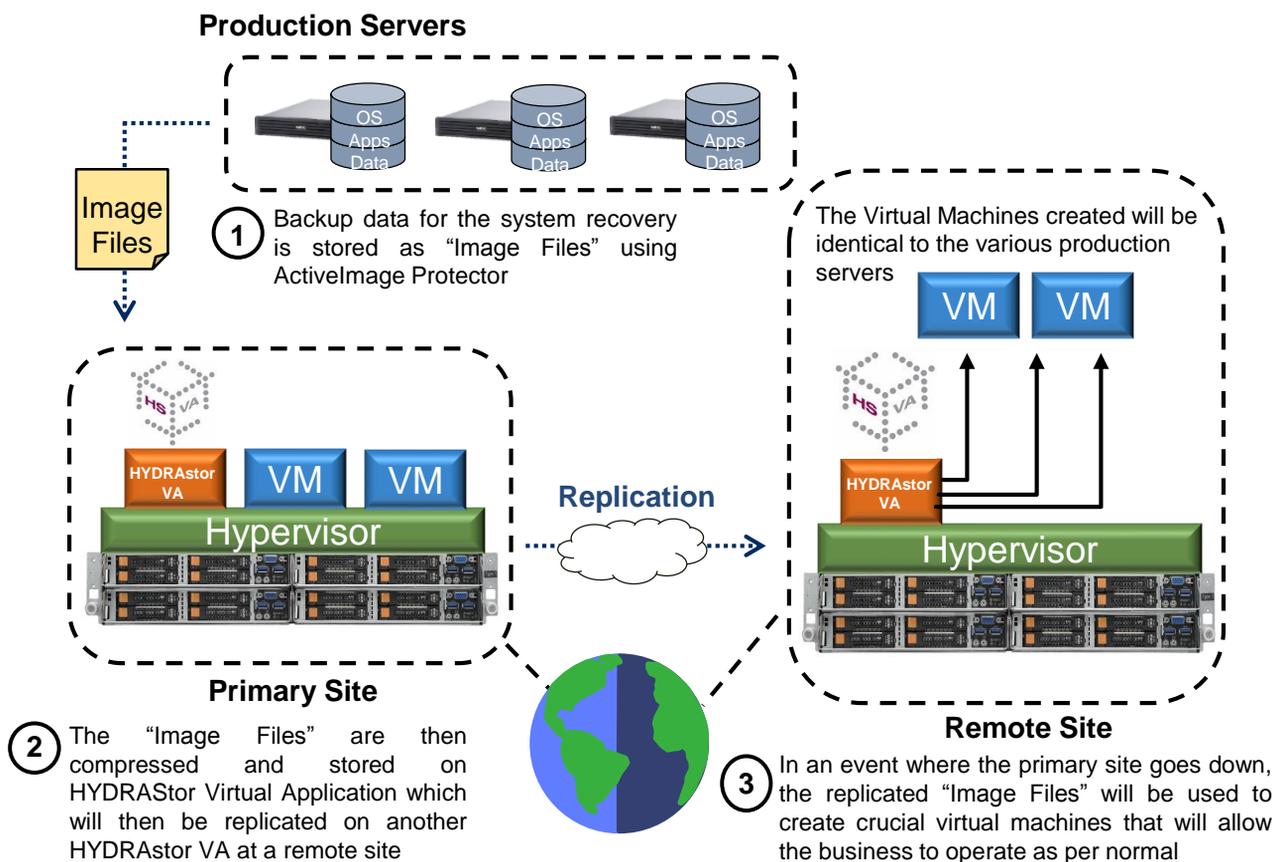# Smart Business Protection Solution

In today's modern society, IT systems and data are crucial for businesses to operate smoothly. Therefore, it is vital to provide a safety net for your business essentials. This safety net would safeguard your business from disasters and ensure reliability.

Safeguard your Business

Production Servers

OS Apps Data

Image Files

① Backup data for the system recovery is stored as "Image Files" using ActiveImage Protector

The Virtual Machines created will be identical to the various production servers

VM   VM

HYDRAStor VA   VM   VM
Hypervisor

Replication

HYDRAStor VA
Hypervisor

Primary Site

Remote Site

② The "Image Files" are then compressed and stored on HYDRAStor Virtual Application which will then be replicated on another HYDRAstor VA at a remote site

③ In an event where the primary site goes down, the replicated "Image Files" will be used to create crucial virtual machines that will allow the business to operate as per normal

Benefits of Smart Business Protection

Prevent Data Loss: Create system backup without affecting the performance of the system, backups are created while the system is in operation.

Reduce downtime: Restore your entire system in a matter of minutes with the Image Files, Restoration can be done on both hardware and virtual environments.

Storage Flexibility: Ability to store your backups on-site and replicate them to different locations, either on-site or off-site.

Optimize storage capacity: Deduplication and compression to minimize Image File size, ensuring maximum usage of your storage.

Key Features

Swift Recovery
Recover files, folders or even restore your entire IT systems efficiently with minimal downtime.

Compact Backup
Reduce the requirements of your storage space by compressing and deduplication of your backup files.

P V
Supports Hardware and Virtual Restoration
Ability to restore P2P, P2V, V2V and V2P
V P

Disaster Recovery
Replicate backup files offsite over low bandwidth to ensure the safety of your files and data.
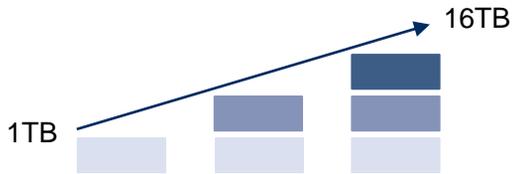
HYDRAstor Virtual Appliance

The software version of NEC's HYDRAstor is known as HYDRAstor Virtual Appliance. It can be deployed on a virtual machine and has the same replication, deduplication and compression capabilities as compared to the physical appliance. HYDRAstor VA is primarily used as a storage for backup and disaster recovery purposes.

With it's deduplication and compression capability, HYDRAstor will reduce the size of client's data and ensure efficient usage of their storage capacity. Furthermore, by only replicating dedup data, HYDRAstor VA allows replication to be done over low bandwidth.

Unique Features

1. Scalable storage size for small environment
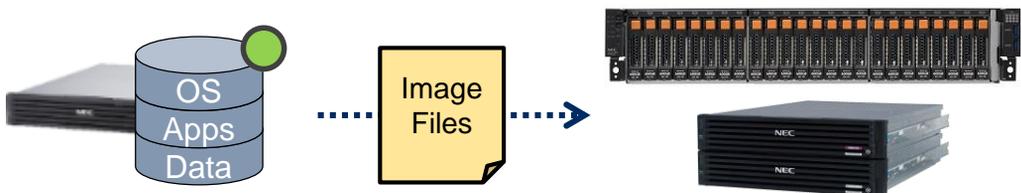
16TB

1TB

2. Remote Replication to provide Disaster Recovery

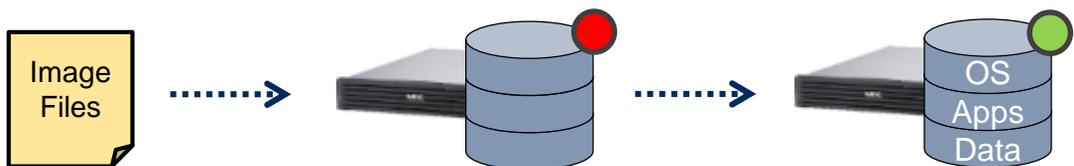3. Encryption, Deduplication and Compression of Storage Data

4. Flexibility in deployment

ActiveImage Protector

OS Apps Data

Image Files

ActiveImage Protector actively creates the back up of the entire system and all its data on the HDDs. This information is saved in a form of an "Image File" and can be stored in Internal/external HDDs or on a Network Storage.

Image Files

OS Apps Data

In an event there is a system failure, the original system can be easily replicated using the "Image File". The data and the system can be restored by simply transferring the "Image File" back onto the server/computer.

ActiveImage
PROTECTOR