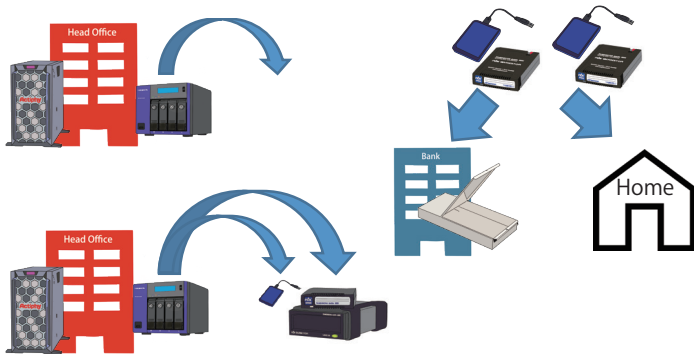
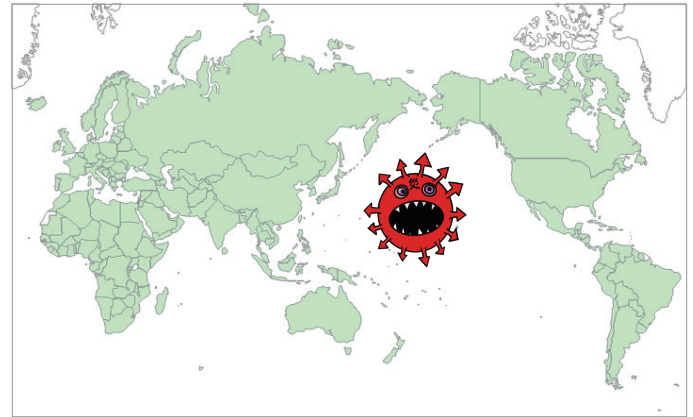


Disaster Countermeasures

What are Disaster Countermeasures?

You never know when a disaster takes place. Overlapping occurrence of natural disasters including earthquake, fire, heavy rain, typhoon, thunder, tornado, etc., increases the damage. As disaster countermeasures for businesses, system and data recovery is a critical issue. An enterprise might designate off-site facilities as the centers for emergency countermeasures or take a variety of countermeasures by locating their offices in earthquake-resistant building in ample space, etc. On the other hand, medium to small sized companies have problems such as that they do not have off-site facilities, their offices are not located in earthquake-resistant building, they have only limited budget, etc. As a matter of course, the system and data are vital to their business activities whether or not an enterprise or medium to small sized companies, they cannot afford to ignore disaster countermeasures.

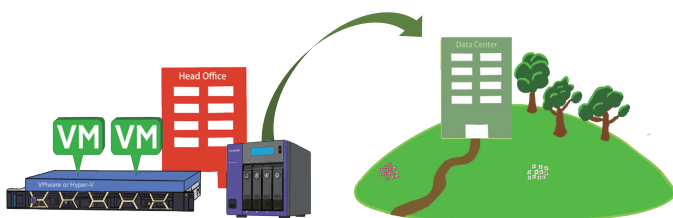
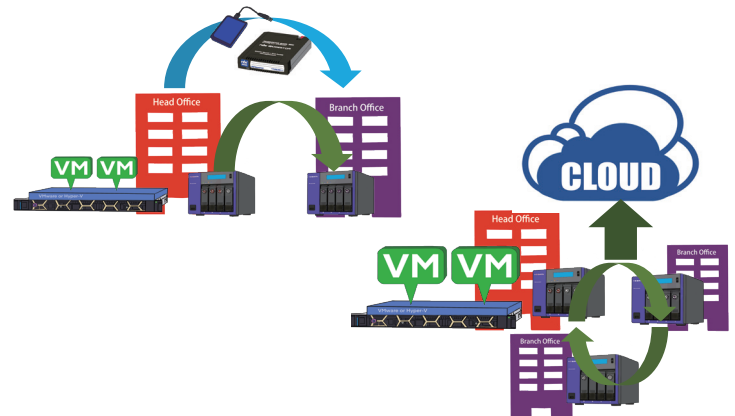


From small to large scale

- Utilize cloud storage as a replication target. (DropBox, Amazon S3, GoogleDrive, Azure Storage, OneDrive)
 - Utilize USB hard disk as a replication target.
 - Utilize RDX cartridge as a replication target.
 - 1) COO keeps USB hard disk or RDX cartridge in a safe at his house.
 - 2) Keeps USB hard disk or RDX cartridge in a bank's rental earthquake-resistant safety-deposit vault.
- * These are the examples using ActiveImage Protector.

Example of disaster countermeasures having the centers for emergency countermeasures (including a factory in large premises)

- Utilize NAS hard disk connected via VPN as a replication target.
- A plant utilizes NAS located at a remote building as a replication target.
- Utilize USB hard disk as a replication target.
- Utilize RDX cartridge as a replication target.
 - * Send USB hard disk or RDX cartridge to a remote site via regular mail service.
- Save the backup data created at two sites and replicate them to three or more replication targets.
- Utilize cloud storage as a replication target. (DropBox, Amazon S3, GoogleDrive, Azure Storage, OneDrive)
 - * These are the examples using ActiveImage Protector.



Other example case of backup data protection

In case an office is located near the seaside, the backup files are replicated to a datacenter located on top of the hills. If using a data center, the contracts have diverse contents and coverage. In comparison with a commonly used public cloud, some private cloud service provides more flexible usage. For example, you are allowed to create CIFS area to specify as a replication target for saving backup files and utilize the backup file as a standby server.