

# Cloud Backup

NTT AMERICA

## NTTA CLOUD BACKUP BENEFITS

- Service typically installed and operational in less than a day
- Compatible with wide range of platforms, devices, operating systems and applications
- Local and remote backups available for quick restores of current data
- Data encrypted in-flight and at-rest
- 24x7 support from certified engineers
- Industry-leading SLAs
- Massive scalability; supports petabytes of data

## WHY CLOUD-BASED BACKUP?

- Flexible and highly scalable Infrastructure
- Cost-effective utility pricing model - reduce capital expenditure, pay only for what you need
- Centralized operations and capacity management capabilities

## Efficient, Cost-effective, and Secure Backup

### OVERVIEW

NTT America's Cloud Backup, part of NTT America's Recovery as a Service (RaaS) portfolio, is a fully automated, secure offsite backup service for desktops, laptops, servers and virtual machines.

NTT America's Cloud Backup, powered by Asigra, is a high performance, cost effective alternative to traditional backup methods. It provides agentless, centralized, and automated backups, secure offsite storage and rapid local or cloud based restoration.

### BUSINESS CHALLENGE

Unprecedented data growth is challenging companies of all sizes, placing increasing pressure on their backup and recovery initiatives. With mounting pressure to comply with regulatory compliance and improve disaster recovery practices, companies are experiencing challenges with traditional backup methods that are falling short regarding efficiency, reliability, and ease of use. An ever expanding network of central, remote and branch offices further compounds the situation. The need to deliver against strict service level expectations, while managing costs, turns information recovery management into a complex challenge for mid-market and enterprise organizations.

### SOLUTION: DATA PROTECTION

With shrinking backup windows and the proliferation of virtual machines and unsanctioned devices like smart phones and tablets being brought into the workplace, the job of protecting your data is becoming more challenging. NTT America's ability to support a

heterogeneous application, hardware, and device environment combined with enterprise class restore assurance ensures all your data can be backed up and restored quickly and easily.

### RISK MANAGEMENT

Data risk and security in the cloud is top of mind for senior IT decision makers. NTTA Cloud Backup protects your data at all times with AES 256-bit in-flight and at-rest data encryption. With government approved FIPS 140-2 security certification you can rest assured your data is being protected at the highest level of security and compliance.

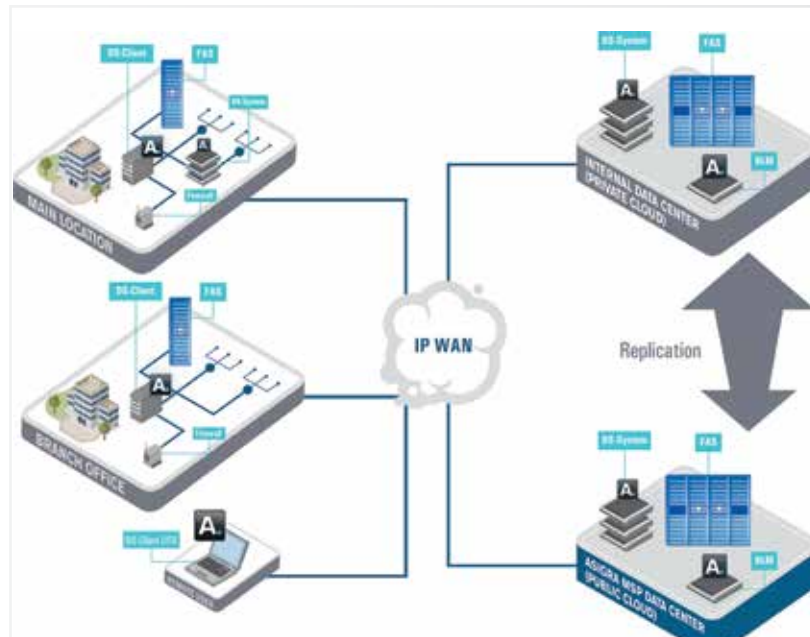
### TOTAL COST OF OWNERSHIP

NTTA Cloud Backup is designed to be low-touch to reduce costs of implementation and on-going operations. With a utility pricing model, you can minimize your upfront capital investment. And the technology itself lowers TCO through data reduction through deduplication and compression.

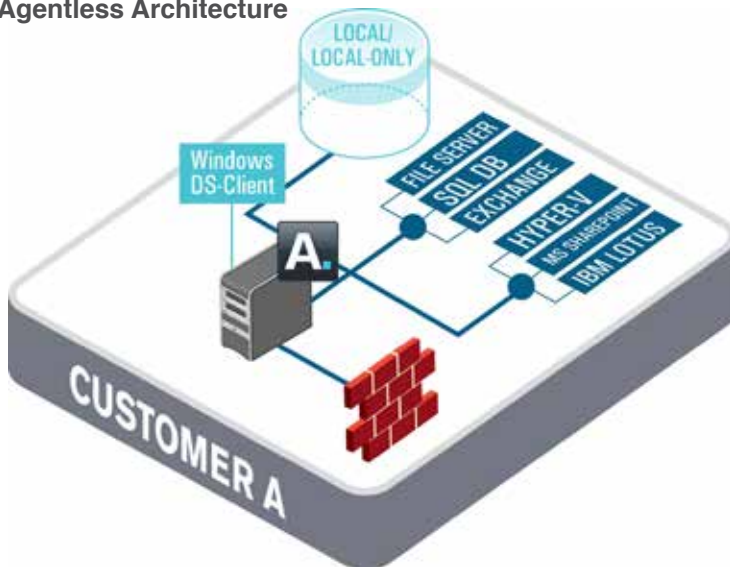
### NTTA CLOUD BACKUP OVERVIEW

NTT America Cloud Backup is a secure, efficient and reliable cloud based backup and restore solution. The process is completely automated and, once set up, runs unattended which allows for minimal involvement of existing IT resources. Backed-up data is stored fully encrypted on enterprise class storage in a Tier III SSAE16 certified NTTA data center, and pre-defined SLAs around availability, support and restores are in place at service commencement.

## NTTA Cloud Backup Overview



### Agentless Architecture



### AGENTLESS ARCHITECTURE

NTTA Cloud Backup uses Agentless Architecture, powered by Asigra. The agentless architecture delivers significant benefits over traditional agent based approaches. Asigra protects all files (visible and hidden), databases, email systems and mailboxes, all operating systems such as Windows, Linux, and Mac OS. The agentless architecture removes the need to install individual agents on each machine that needs to be backed up. This simplifies installation and on-going operations in the customer's environment and removes any downtime and disruption associated with installing and maintaining agents. Agentless is more secure and efficient as there are no agents to be hacked and no software is installed to waste system resources.

### Supported Operating Systems, Platforms, and Applications:

**Operating Systems:** Windows, Linux, Unix, Novell, Mac OSX, AS400

**Message Level Restore:** Exchange, GroupWise, Notes, Netware

**Hot Database Backup Support:** MS SQL, Oracle, MySQL, PostgreSQL

**VSS Support:** Integrates with VMWare, Hyper-V and XenSource

**Server Hardware Agnostic**



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