UNIVERGE BLUE® BACKUP

SIMPLE STORAGE SERVICE (S3)

OFF-SITE DATA PROTECTION & HOT CLOUD STORAGE

A company's most important asset is its data. Whether that data includes patent filings or architectural blueprints; from radiological, dental, and medical files to customer account details. In fact, 25 percent of businesses never reopen after experiencing a major disaster[1]. Financial services (banking/insurance and/or accounting information) to the private sector. These are just small examples of key data that, without a doubt, would be considered crucial to running and maintaining a business.

As defined by leading storage experts, the recognized best practice for backing up and storing data is the 3-2-1 Rule[2]. This Rule states that to protect data, you should keep 3 copies of your data on 2 types of storage media and 1 copy offsite. This strategy ensures the offsite data is protected from local risks such as fires, natural disasters, and security breaches.

NEC'S UNIVERGE BLUE BACKUP FOR SIMPLE STORAGE SERVICE (S3)

As a part of the NEC's UNIVERGE BLUE BACKUP Suite, BACKUP/S3 is designed to address the off-site requirement of the 3-2-1 Rule and adds advanced features built on NEC technology. NEC's UNIVERGE BLUE BACKUP/S3 delivers an S3 compatible storage service that delivers the security, resiliency, and performance of cloud storage at a predictable and affordable price to other S3 cloud providers.

AT A GLANCE

> S3 compliant off-prem storage white glove service delivered by comprehensive and highly experienced 24/7 support team
> Built and optimized on NEC's award winning[3] HYDRAstor® backup and archive storage systems
> Highly secure, complaint, and resilient Iron Mountain® above and underground datacenters
> Affordable and predictable billing, with no egress or API request charges
> Optional enhanced service options including data migration, meta-data indexing, and disaster recovery

CORE STORAGE TECHNOLOGY PROVIDER

As a technology leader with a deep storage history ranging from building disk drives, to deploying the most scalable

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backup and archiving storage[3] systems in the industry, NEC understands storage systems and what it takes to build and optimize management of these backup and archive data storage systems.

NEC's BACKUP/S3 is built from the ground up on NEC's award winning HYDRAstor® backup and archive storage technology, recognized by the industry as offering the highest scalability and performance of backup and archive systems[3]. Through decades of storage development, NEC's HYDRAstor platform and suite of software services, have been optimized and configured to deliver advanced S3 storage services. Incorporating our own products and core intellectual property reduces the overhead expense of having to purchase and maintain third party relationships. This provides for higher reliability knowing that NEC is fully responsible for the entire life cycle of the hardware solutions backing its own cloud services, from development through support.

SECURITY
In order to truly realize the security aspects of off-site cloud storage, physical security is the starting point. As the first technology infrastructure provider to join Iron

Mountain's Datacenter Marketplace in 2014, NEC understood the importance of tracking and securing every aspect of infrastructure management. In working with Iron Mountain, NEC maintains strict security compliance access and optional reports on individual access to the equipment for compliance purposes.

Data in NEC's BACKUP/S3 buckets are encrypted and globally encrypted at rest to provide additional security using NEC's HYDRAstor patented encryption technology. Data is furthermore protected and classified.

RESILIENCY & DISASTER RECOVERY
Built upon HYDRAstor's patented integrated resilience, NEC's BACKUP/S3 offering delivers the highest levels of resiliency in the industry without compromising performance. Furthermore, NEC delivers advanced disaster recovery options to BACKUP your S3 data, with and without stringent Recovery Point Objectives (RPO) and Recovery Time Objectives (RPO) requirements.

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PERFORMANCE

With the ability to ingest up to 61 TB of backup/archive data per hour combined with the network connectivity options made available by Iron Mountain, NEC's BACKUP/S3 delivers the best in class S3 service. The combination of being built on the best of class infrastructure and network ensures that BACKUP/S3 ingestion and egress performance meets virtually any cloud storage mission requirement.

FLEXIBLE PRICING OPTIONS & PREDICTABILITY

NEC's UNIVERGE BLUE BACKUP/S3 has been built to offer simplified pricing and terms, to help ensure affordable and predictable cloud storage. NEC's BACKUP/S3 offers pay-as-you-go, 1-year, 3-year, or 5-year terms as well as optional variable and fixed size BACKUP/S3 buckets. Combined with no-egress or Application Protocol Interface (API) request charges, NEC's BACKUP/S3 provides a broad base of attractive pricing options with the assurance of predictable billing to avoid concerns.

WHITE GLOVE SUPPORT

NEC works closely with its clients to develop a strong backup strategy ensuring that any potential data loss during a disaster is minimized or has no impact at all. Together with our business partners, we will assess the client's current environment to help make informed decisions and plans for Recovery Point Objectives (RPO) and Recovery Time Objectives (RTO), as well as long- and short-term retention and archival periods.

Through this process, we go beyond web-based only portals, and develop a better understanding of our customer's requirements to build cloud storage solutions that build on this relationship.

FLEXIBILITY & SCALABILITY

With the flexibility to backup between datacenters with an on-premises solution or straight to the cloud, virtual or physical environments, NEC delivers backup strategies to meet the needs from small and medium businesses to global enterprise-class datacenters.

Whatever your needs may be, NEC's UNIVERGE BLUE BACKUP/S3 can provide the hot cloud storage service you require.

1 https://tech.co/news/store-data-3-separate-locations-2015-10

2 https://guides.library.upenn.edu/datamgmt/storage

3 https://www.businesswire.com/news/home/20160526005154/en/NEC-HYDRAstor%C2%AE-HS-Series-Wins-Top-2016

4 https://www.helpnetsecurity.com/2017/09/08/insider-threat-ransomware-ddos-fear/

5 As the first technology infrastructure provider to join Iron Mountain's Data Center Marketplace

6 https://www.linkedin.com/pulse/why-choose-nec-hydrastor-technical-reasons-claudio-fortuna/

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NEC Corporation of America
www.necam.com

For further information please contact NEC Corporation of America or: