

DRJ FALL 2024 • DALLAS, TX

II:II SYSTEMS

BCDR FROM A BUCKET HEAD

Practical use cases for building
a cyber recovery strategy with
object storage



DRJ FALL 2024

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Agenda

- Whats and Whys of Object Storage
- Object Storage and your DR Strategy
- Live Demo Time!
- Object Storage at 11:11 Systems



Modern DR strategy needs to solve for:

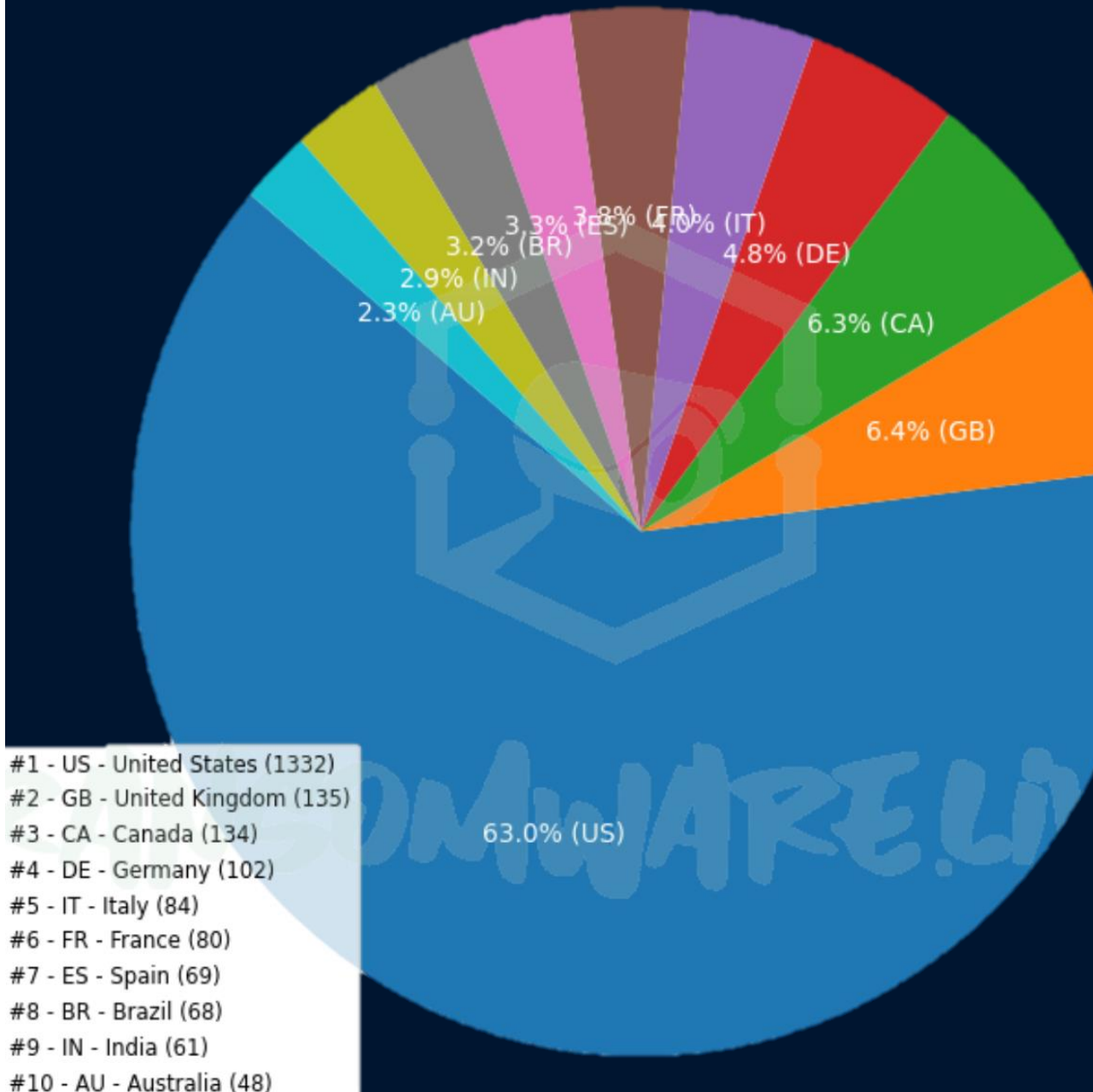
- **Data encryption**
- **Exfiltration**
- **Backup/replica deletion**
- **Complexity of restore**

Solving for Ransomware

- ~2,800 attacks so far in 2024
- Up from 2,030 in all of 2023
- Global Impact

Source: <https://ransomware.live>

THE RESILIENT CLOUD PLATFORM



THE WHATS & WHYS OF OBJECT STORAGE

What is object storage?

- Database identifying as a file system
- Cloud native technology
- API driven, not a protocol
- Hierarchical UI, flat construct

Accounts



Regions



Buckets



Prefix:Key

Benefits of Object Storage

- Cost
- Durability
- Scalability
- Security
- Programmability
- Flexible Deployment





Considerations

- Gotchas
 - Ingress/Egress
 - API Call fees
 - Minimum Retention
 - Classes
- Performance
 - On Premises Implementation
 - Cloud Vendor Variations
 - Immutability trade-offs

OBJECT STORAGE AND YOUR DR STRATEGY

Why Object Storage for DR

1. Immutability
2. Scalability
3. Durability
4. Cost

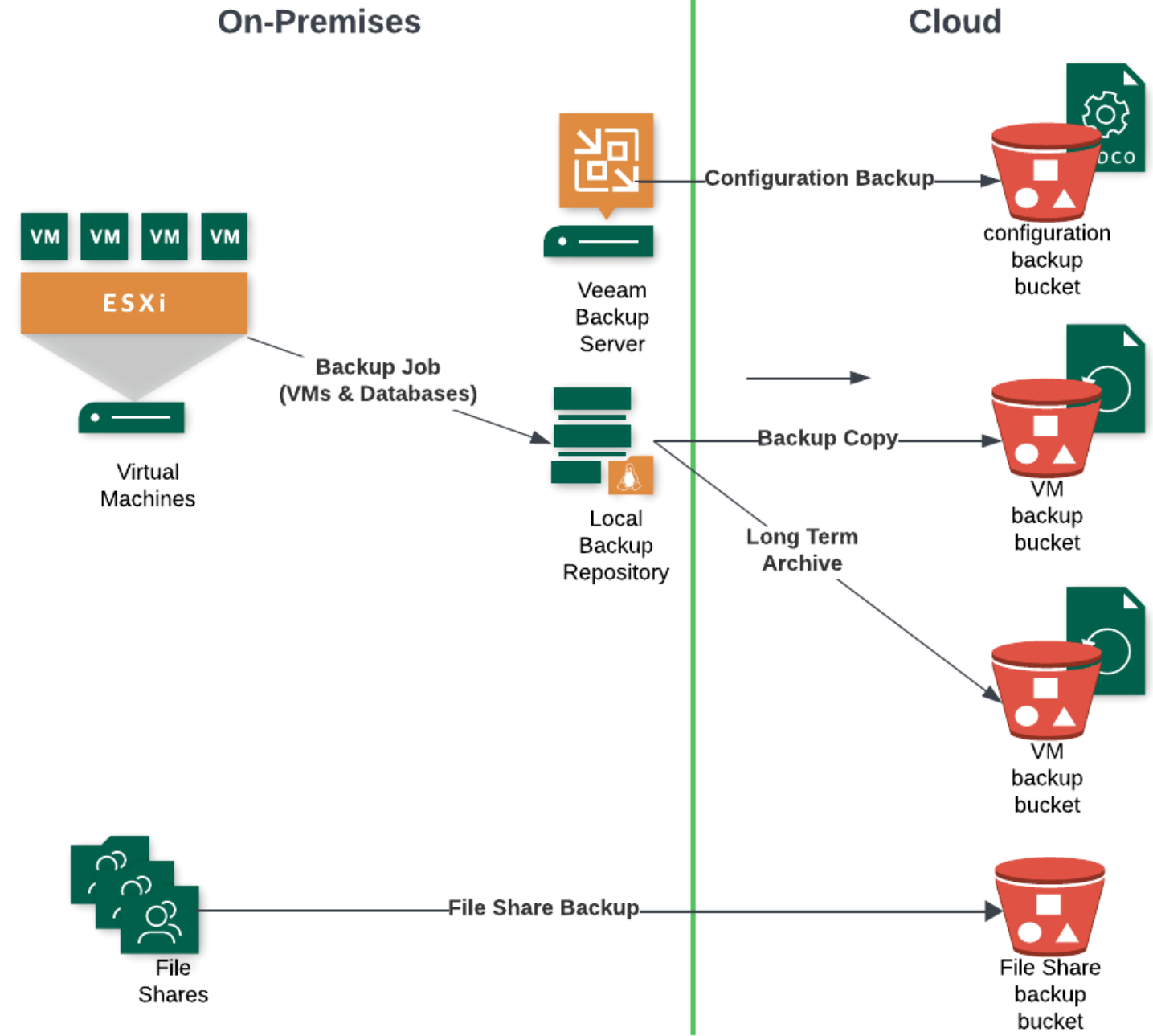




Use Cases

- On-Prem
 - Direct VM Backups
 - Databases
- Cloud
 - Backup Copy
 - DR System Config
 - ROBO
 - File shares
 - Public Cloud
 - SaaS

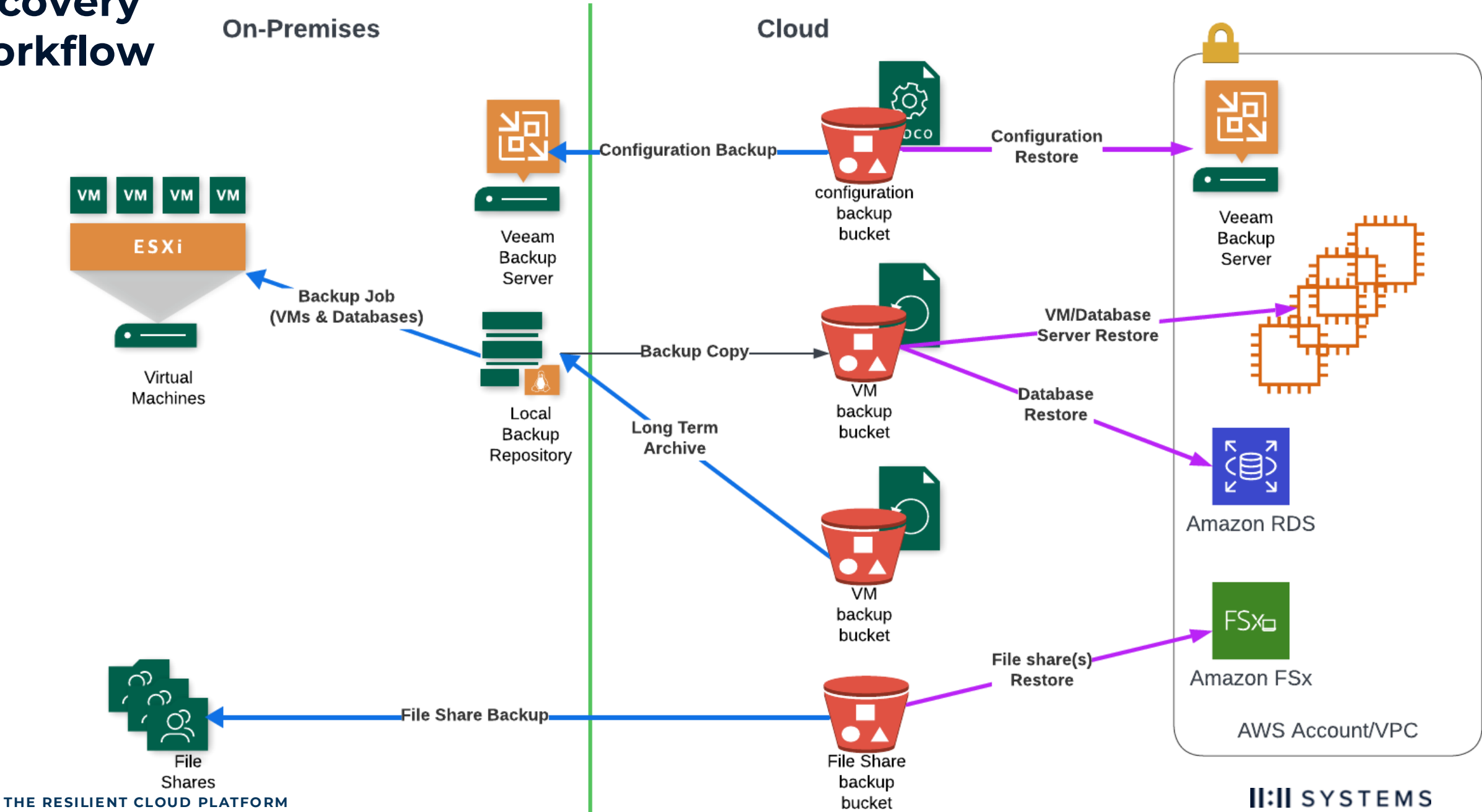
Backup with Object Storage



Recovery Workflow

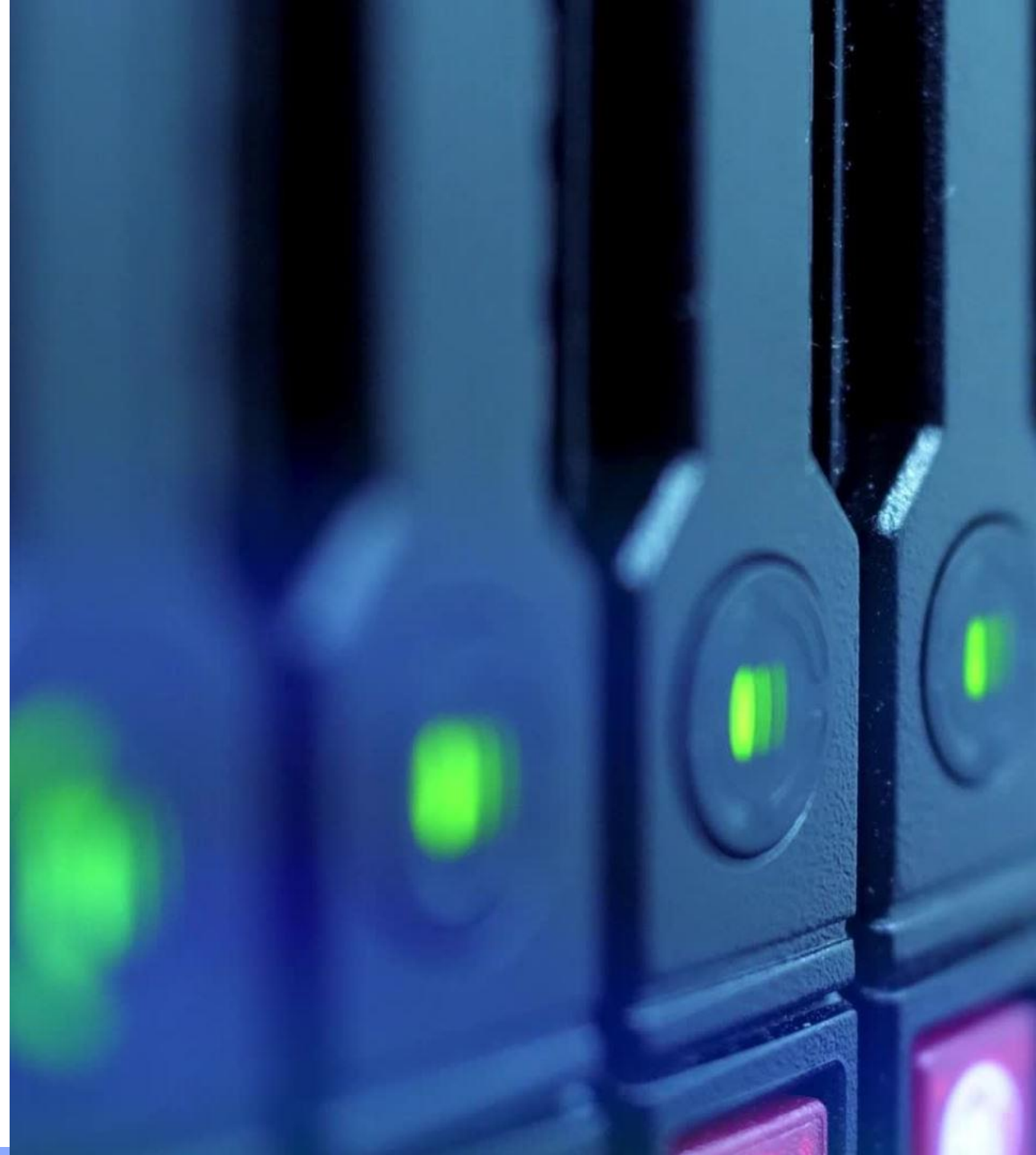
On-Premises

Cloud



Demo Time!

- Veeam Repository Setup
- Configuration Backup
- VM Backup Copy
- File Share Direct Backup





II:II Cloud Object Storage For Amazon Web Services (AWS)

- Available in all AWS Global regions
- Based on S3 Std. Infrequent Access
- Durable and highly available
 - 99.999999999%
 - 3 copies of data
- Secure Token Service (STS) Enabled
- Compatible with both object lock modes
- 30 day minimum retention

\$6.96/TB*

No egress fees

No API fees

***month to month, term and
volume discounts available**

LOCATIONS



US East (Ohio)
US East (N. Virginia)
US West (Oregon)
Canada (Central)
Europe (Frankfurt)
Europe (Ireland)
Europe (Paris)
Europe (Spain)
Europe (Stockholm)
Asia Pacific (Sydney)
Asia Pacific Tokyo

**II:II is now offering object storage on Amazon S3
with pricing starting at \$6.96/TB/month (USD)***

Retrieving Credentials

Retrieve Credentials

AccessKey

 AKIA5FTY7H7K6RK5DX4O

SecretKey

ServiceURL

 s3.us-west-2.amazonaws.com

This link will expire in: **12 hours**

Visit the [11:11 Success Center](#) for Documentation, How-To's, and Product Information

Industry Recognition



40+ YEARS

Delivering IT services

60+ ISO 27001 SSAE16

Global Regions and Points of Presence

10+ YEARS

Cloud and DR expertise

100%

Availability SLA

THE RESILIENT CLOUD PLATFORM





Premium storage without the premium price.

Get secure, reliable, and scalable storage in the cloud with affordable 11:11 Cloud Object Storage. Scan the QR code or go to 111systems.com/object-storage-aws-s3 to learn more.

THANK YOU

1111SYSTEMS.COM