Making Secondary Storage Invisible
Nutanix Mine with HYCU

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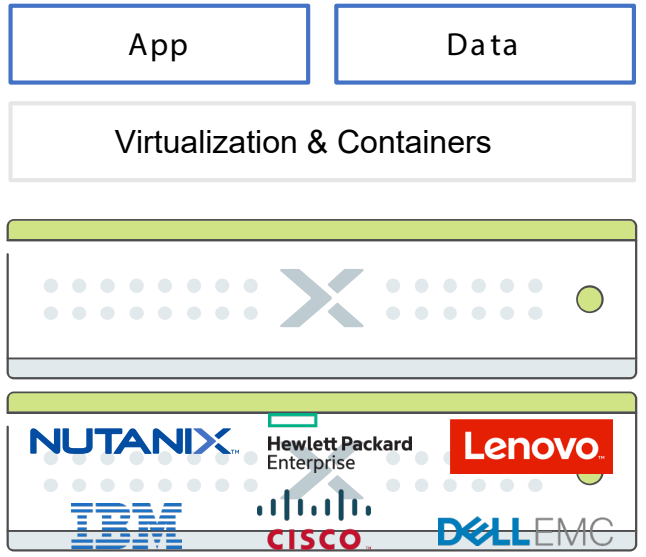
NUTANIX™ HYCU

Agenda

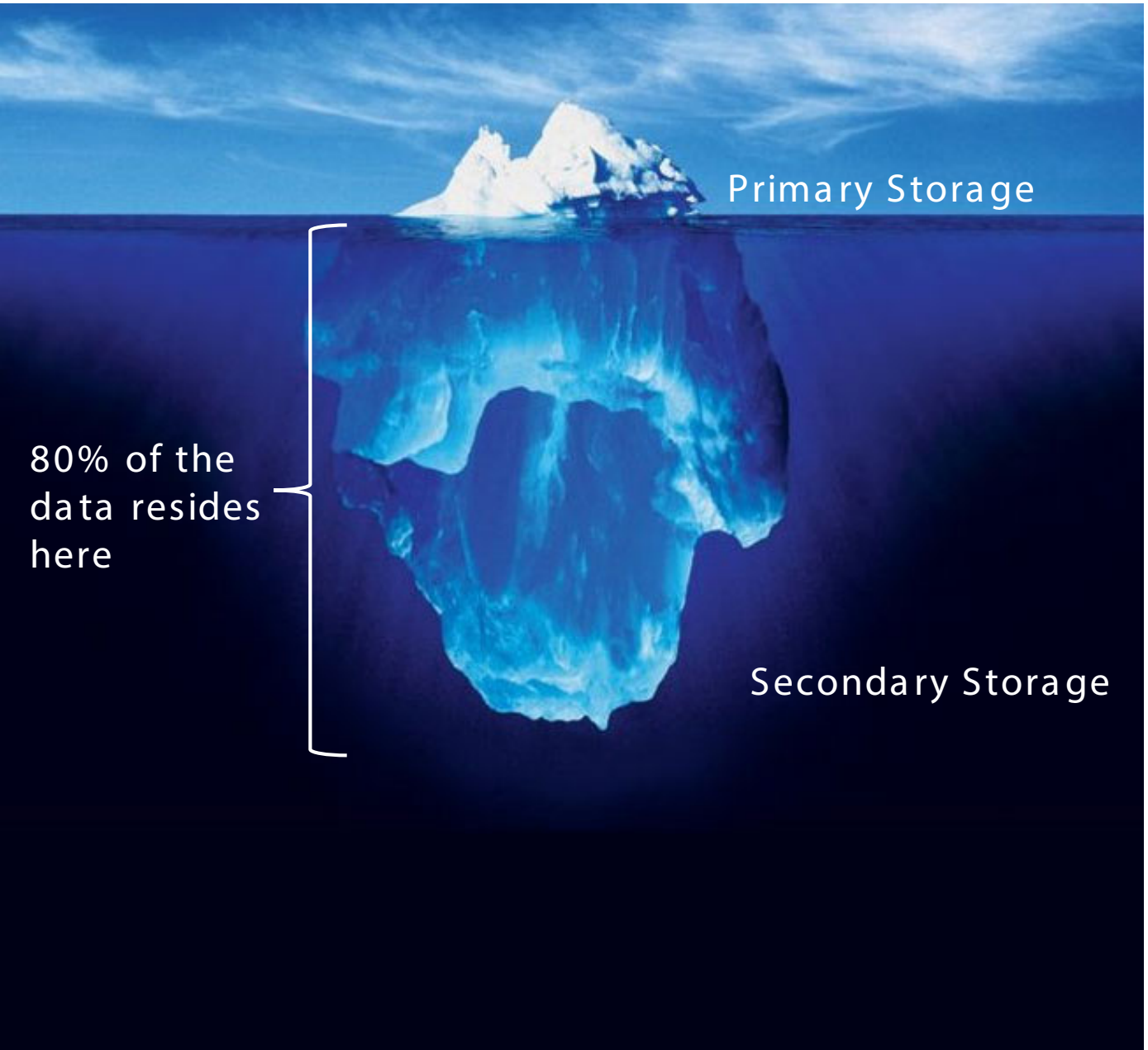
01 | Tech talk

Nutanix: Re-Platforming the Enterprise Datacenter



Integrated compute, storage, virtualization, network, and security

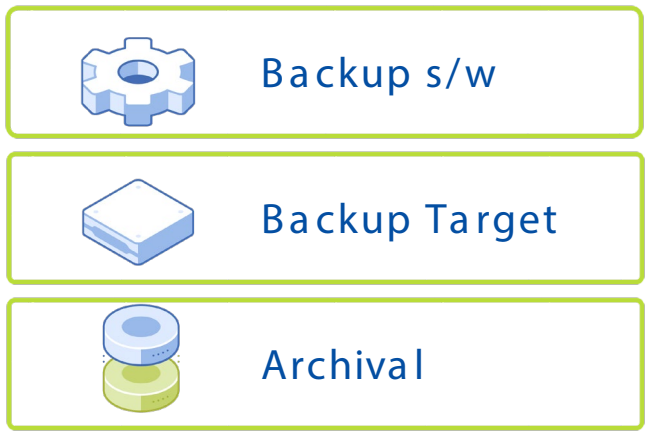
Tapping into the Secondary Storage



- Too complex to manage – 41%
- Cost is too high – 45%
- Backup up Speed is too slow – 37%
- Restore Speed is too slow – 44%
- Backup success rate below 90% - (14%)

*Gartner IT Infrastructure, Operations Management & Data Center Conference 2016

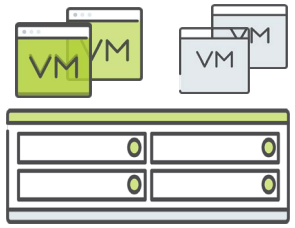
Traditional Backup Environments Are Complex



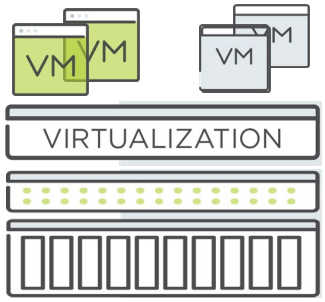
Legacy Backup Infrastructure

Nutanix Mine: Comprehensive Data Protection & Management

Single Management UI - Prism



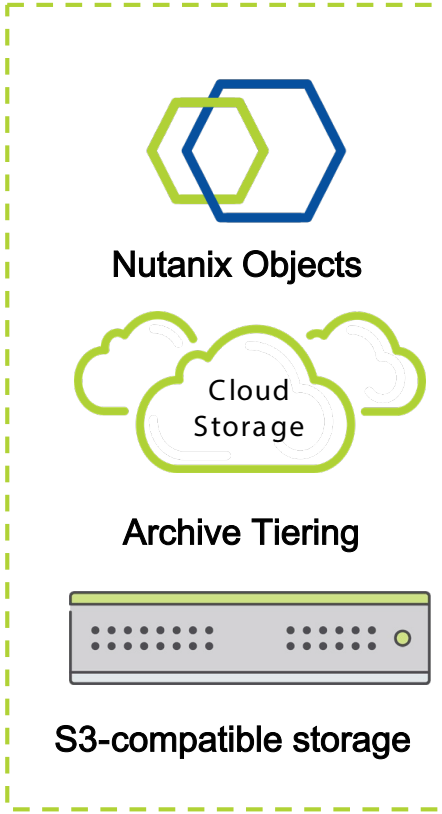
Nutanix Primary



Legacy Three Tier

ARCHIVE

- One-click data protection & archival
- Use industry-leading data protection partners



Extended Data Fabric

Making Secondary Storage Invisible

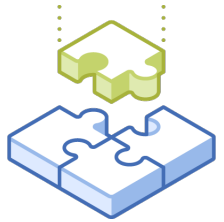
Unify your primary and secondary data protection operations, enable cloud -like scalability, and deliver one -click simplicity for all your backup needs with Nutanix Mine.

Mine

Mine | NUTANIX WITH HYCU

Enterprise Grade

No single point of failure – leverage benefits of Nutanix distributed storage fabric (DSF)



Unified IT Operations

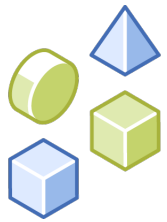
Simplified management operations using integrated Mine dashboard

Flexible scaling

On-demand scale -out for precise capacity planning

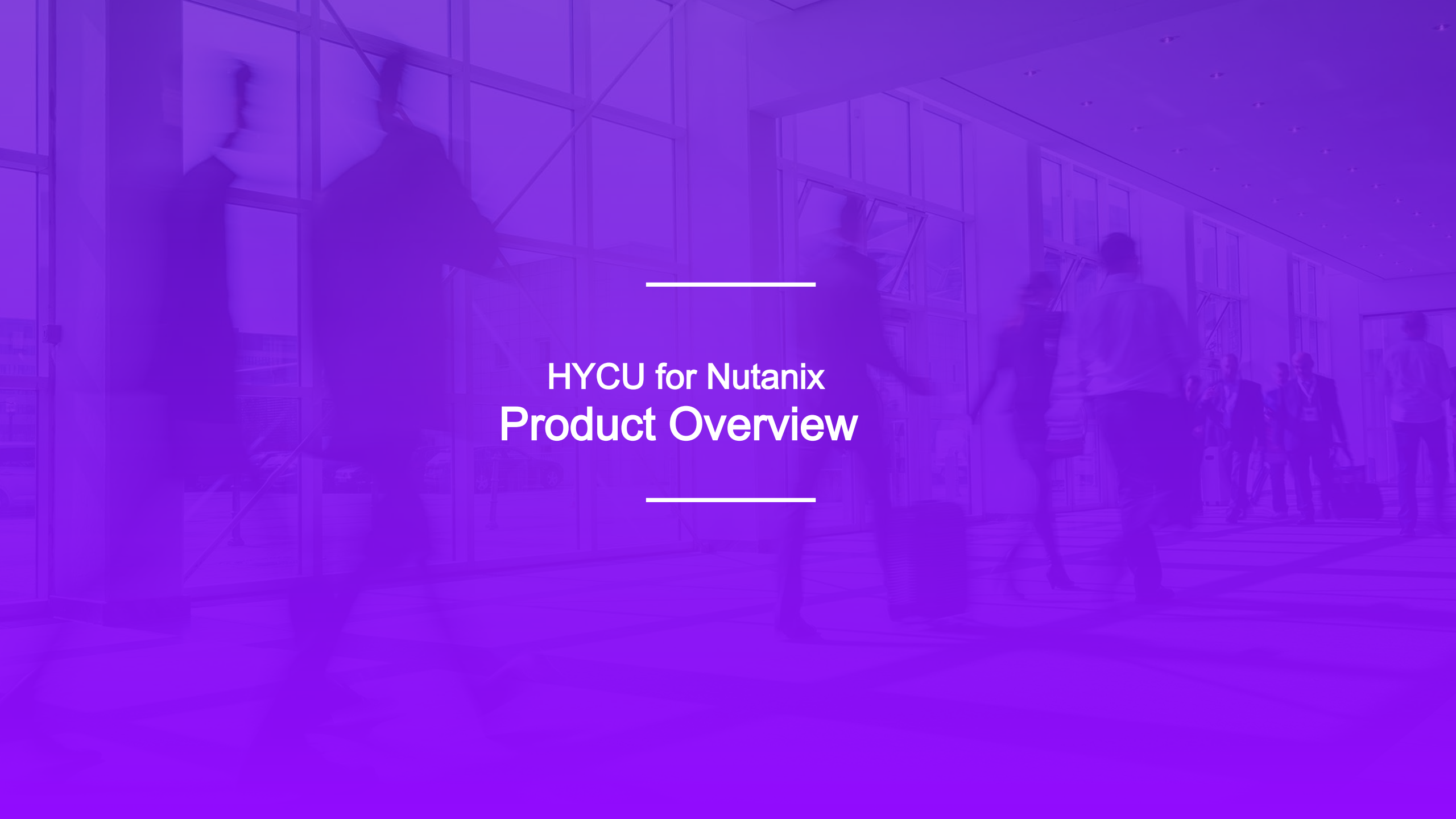
Fast Time to Value

Delivers an improved end -to-end customer experience from procurement to support



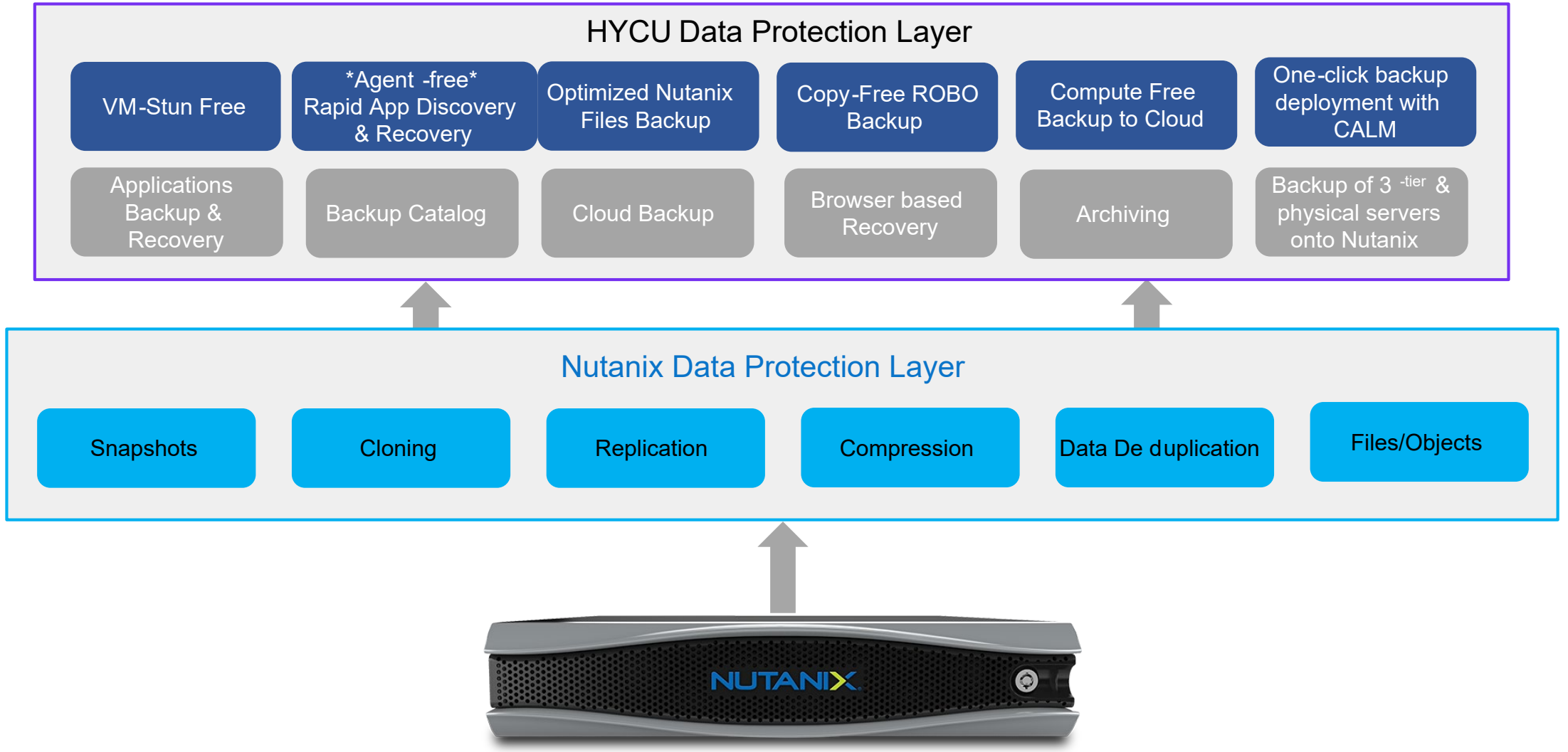
Flexibility

- Backup physical or virtual workloads
- AHV, ESXi, and Hyper -V
- Ability to tier off to Objects and Cloud

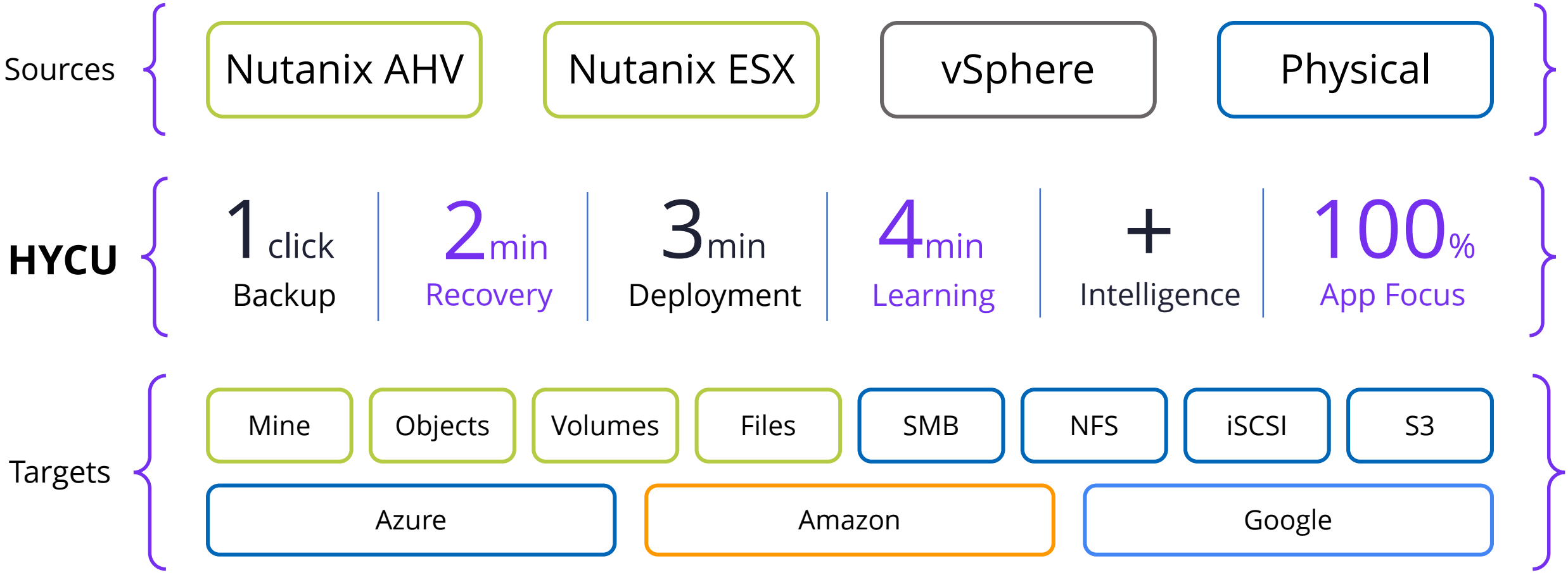


HYCU for Nutanix
Product Overview

A Perfect Complement



HYCU for Nutanix - An Overview



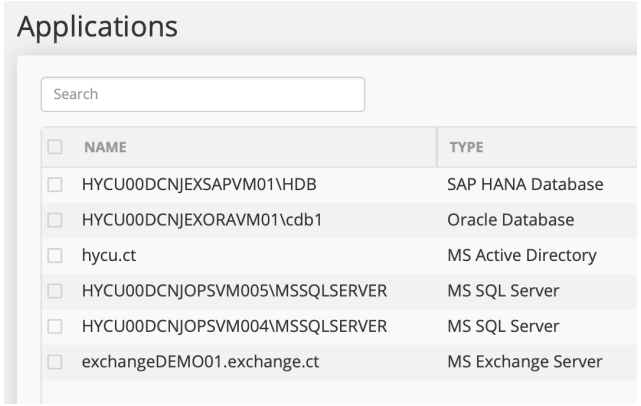
HYCU for Nutanix - Intelligence

01 | Applications

It's all about Application data

Example

Patented Application auto-discovery and auto-config



02 | Simplicity

Intelligent Automate

Example

RTO-based logic

- Key parameter of the backup policies
- Auto-selection of targets based on estimated RTO
- Auto-tuned in case of source or target environment changes

03 | Integration

Leverage your platform

Example

CBT/CFT performance

- Ability to maximize the throughput based on the platform guidelines and limitations

Copy from replica

- 0-impact backup

AHV-ESX NearSync

- Cross-platform replication

HYCU for Nutanix - 2min Recovery

01 **Automation**
Automated recovery workflows and and prechecked relevant configuration eliminates human errors.

02 **Recovery from snapshots**
Only backup product to leverage snapshots for recovery – resulting in fastest production ready recovery time..

03 **Granular recovery**
Recover VMs, disks or single files to various locations and also cross-platform

04 **Application recovery**
Patented Auto discovery enables complete automation of application instance recovery

05 **Point-in-time recovery**
Single-click point-in-time recovery for databases.

06 **Self-service**
Active Directory integrated Self-service empowers rapid self-service recovery for end user. Configurable and managed by backup admin.

Mine with HYCU - Firsts and Only

- Agent-less App Backup
- Automated discovery of applications
- Assures Application Recovery Time (RTO)
- Software Only
- To deliver VM-Stun free ESX backups on Nutanix
- Backup from replica, recover to source (ROBO)
- Efficient and impact free backup for SAP HANA on AOS
- Efficient, scalable backup solution for Nutanix Files
- Snapshot-based Volumes backup

2017 AHV Innovator of the Year | 2017 & 2018 Elevate Partner of the Year | 2019 Customer Experience Partner of the Year

Nutanix Mine with HYCU
Architecture

Models

Nutanix Mine with HYCU – eXtra Small

2U
form factor

48 TB
storage

Nutanix Mine with HYCU – Small

2U
form factor

96 TB
storage

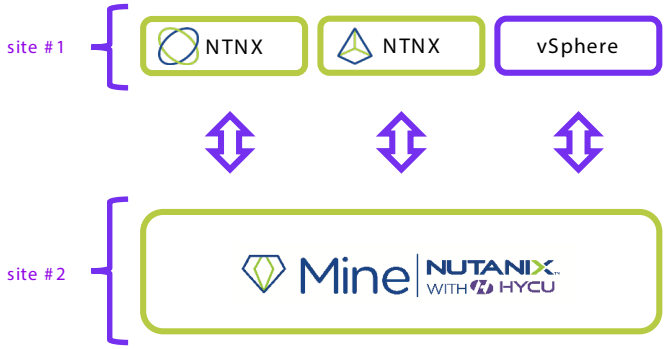
Nutanix Mine with HYCU – Medium

4U
form factor

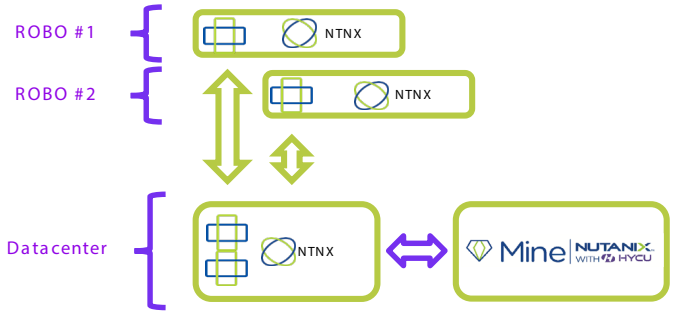
192 TB
storage

Architectures Overview

Local backup appliance

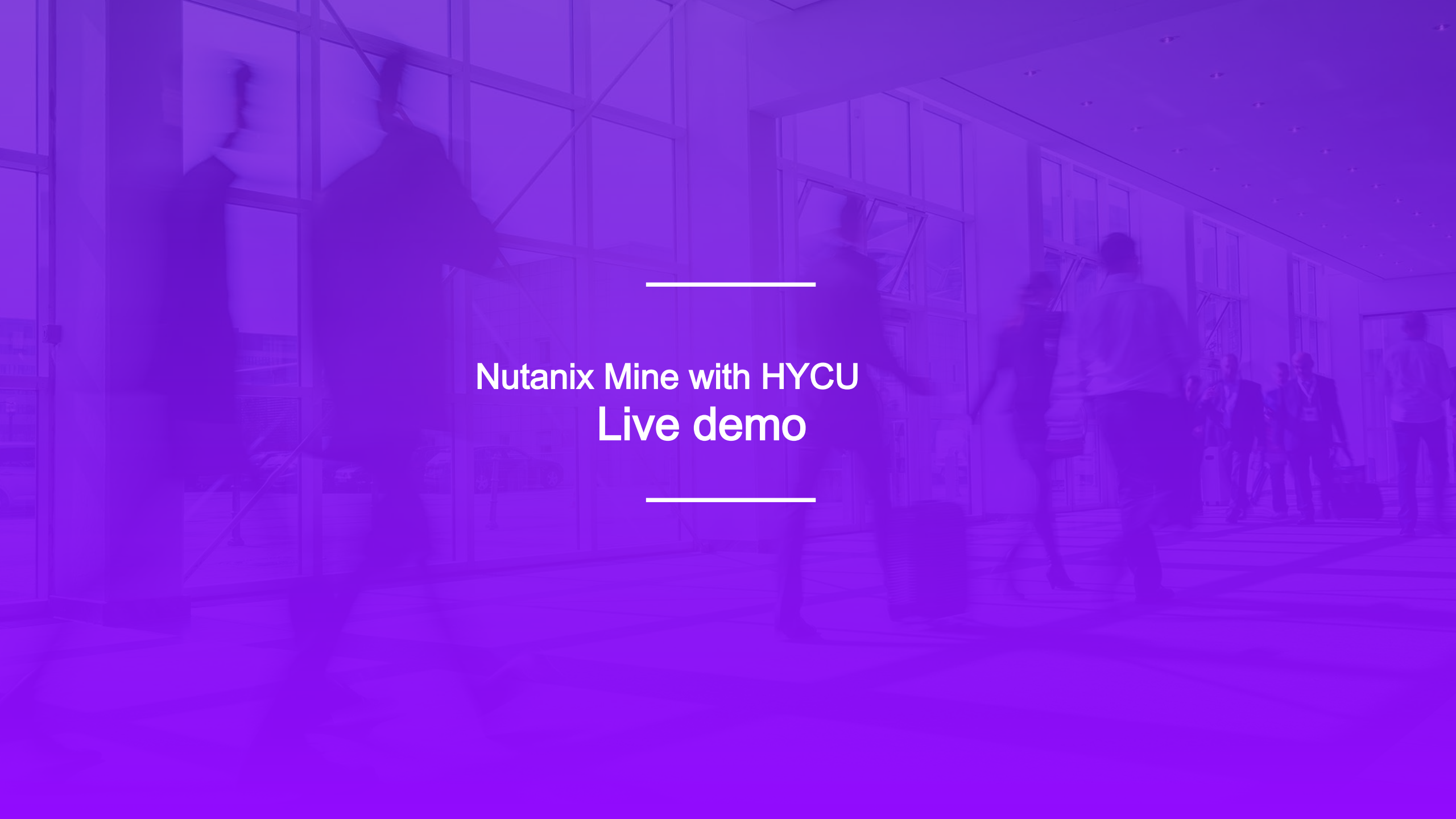


Remote backup appliance



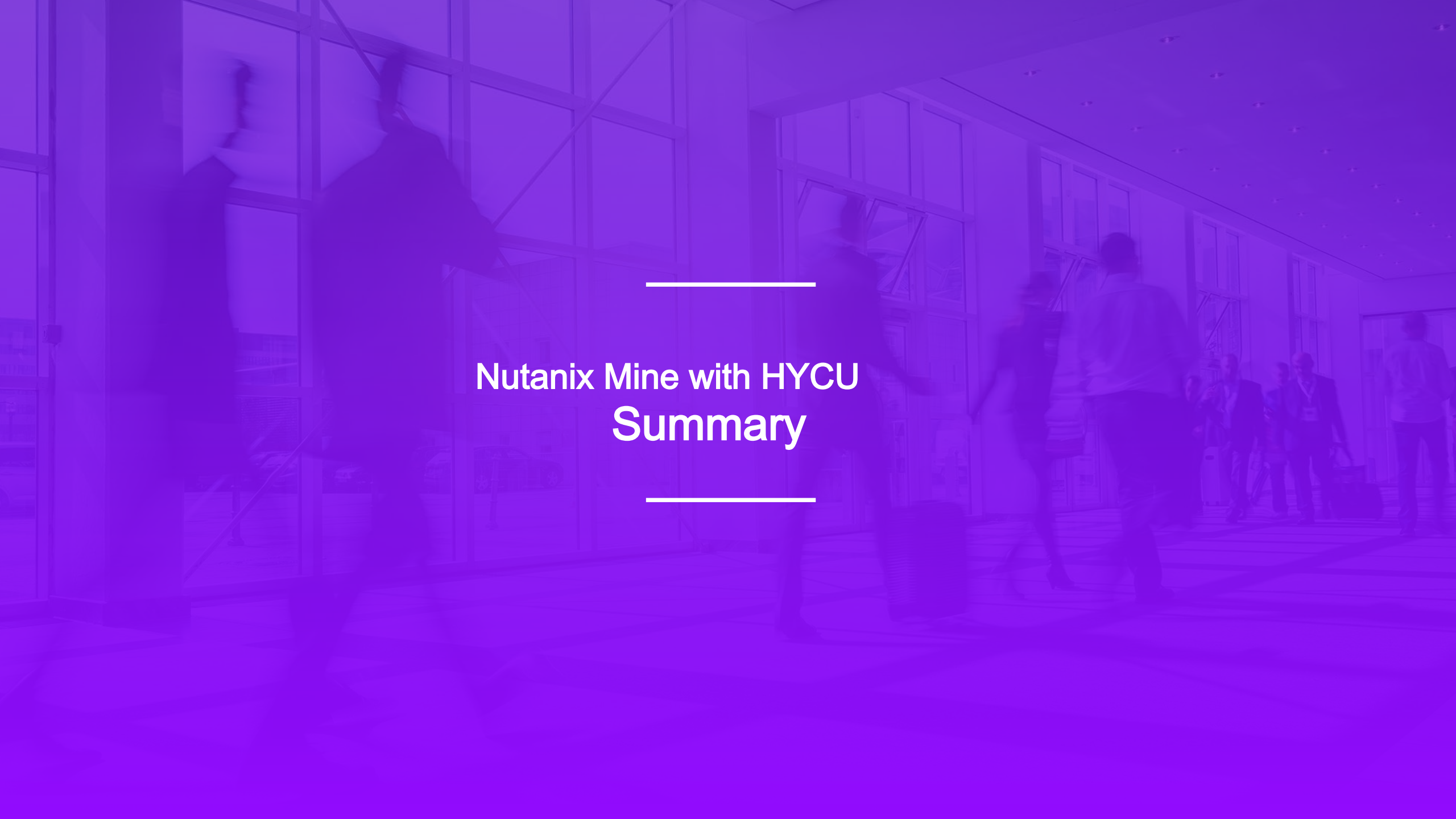
ROBO to datacenter to Mine

Mine to Clouds



Nutanix Mine with HYCU

Live demo



Nutanix Mine with HYCU
Summary

Nutanix Mine with HYCU

In Summary

01 Ease of Management

- One Integrated UI, no switching
- Zero extra licenses or management
- 100% Agent-less

02 Modular Scalability

- Grow as your organization grows
- Same UI for 1 or 10
- Leverage cloud for extra redundancy

03 Built-in Self-Service

- Built-in self-service functionality
- Rest APIs for IT Ops Automation
- 4-min Learning

04 Intelligence Protection

- Patented Config Free Application Discovery
- Automated App & Core Infrastructure backup
- Efficient & Scalable backup of filesystems

05 Power of Nutanix Platform

- Snapshots for both backup and recovery
- WAN-Free backup via Native replication Integration
- Supports Change Block & Change File Tracking

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It's simple!

Thank you