



Level up your SQL and Azure

By using Rubrik

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Works

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Does

Blogger, Speaker, Tech Enthusiast

Likes

Cloud Automation, Scripting & Security



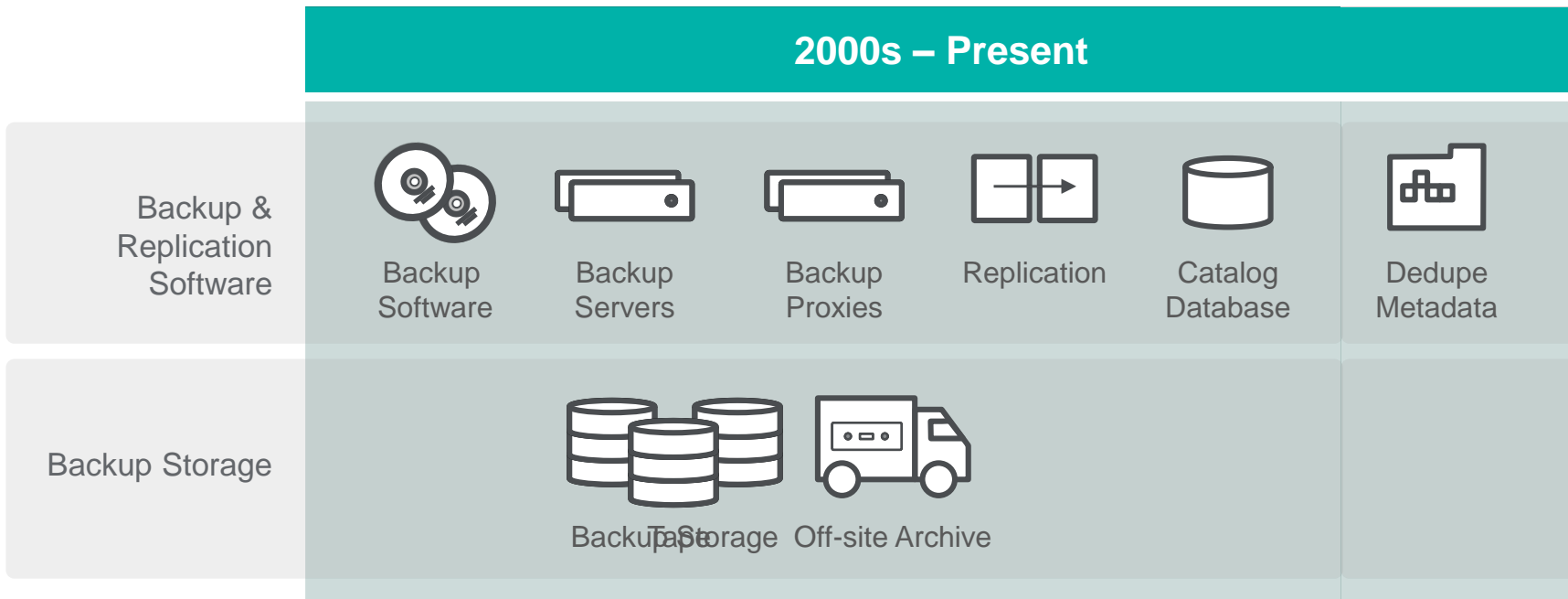
Consider the human element



Agenda

- History of Backup
- Introduction to Rubrik
- Implication of SLAs
- Cloud Data Management
- API-first & Automation
- Q & A

Data Management: 2000s to Present

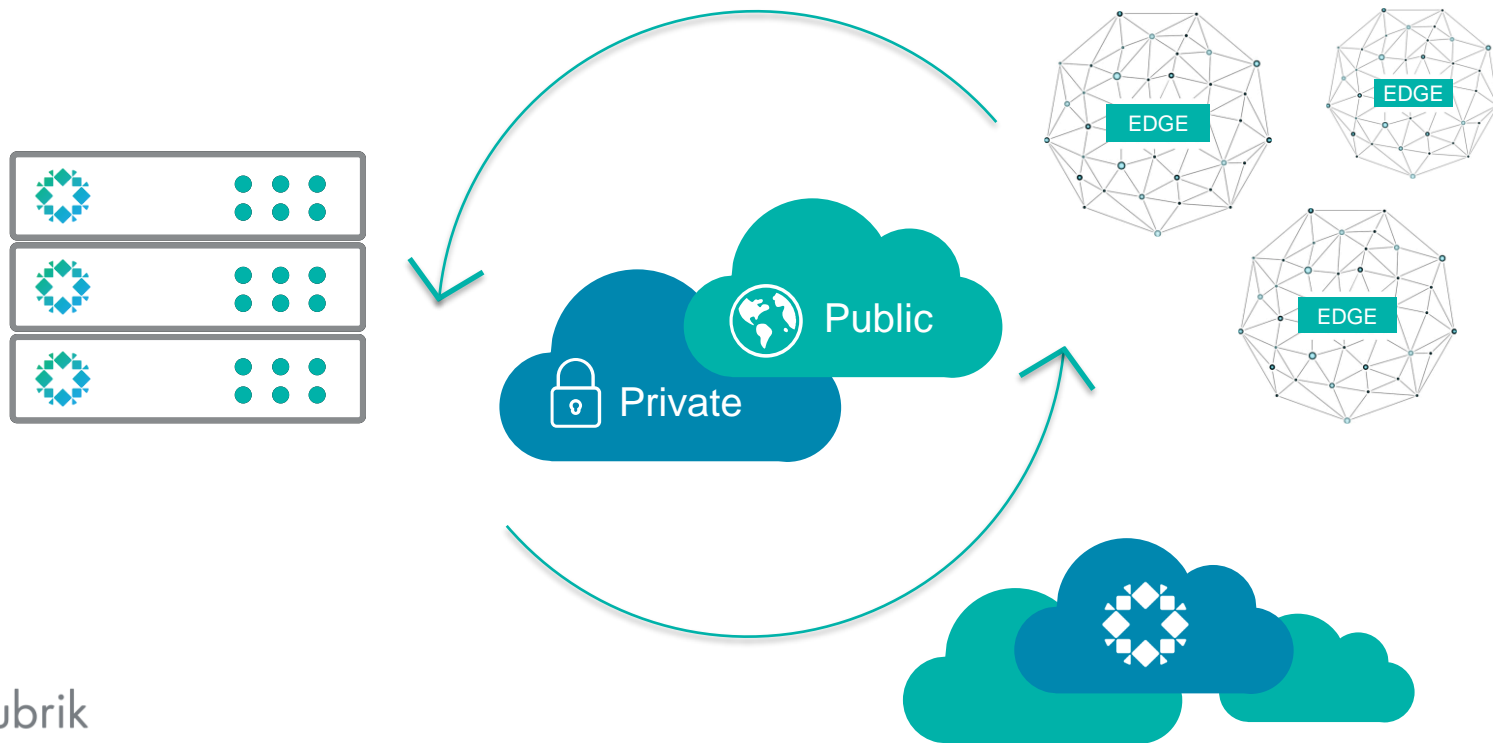


Make our life easier



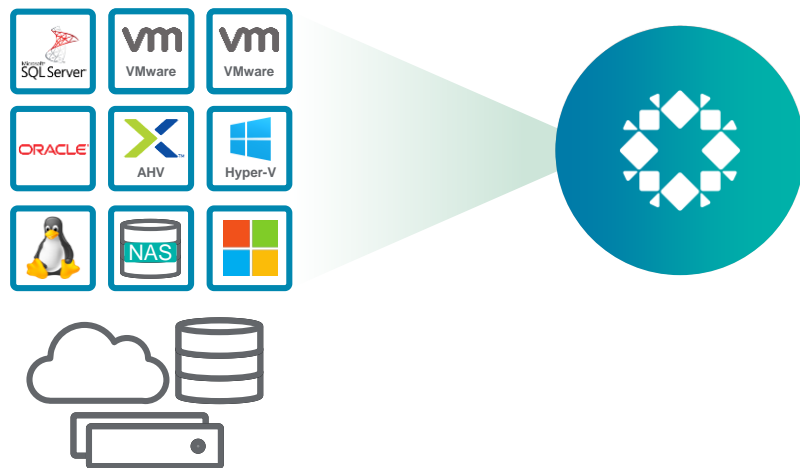
Meet Rubrik Cloud Data Management

Software fabric for easily orchestrating apps and data across clouds.



Quick Start

Plug and play. Auto-discovery of your environments.



Primary Environment
On-prem, Cloud, Hybrid

Rubrik
Cloud Data Management

Automate

Intelligent SLA policy engine for effortless management.



Primary Environment
On-prem, Cloud, Hybrid



SLA Policy Engine

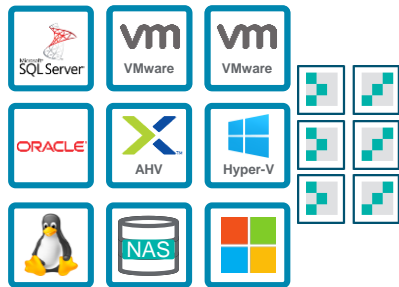


Log Management

Rubik
Cloud Data Management

Rapid Ingest

Flash-optimized, parallel ingest accelerates snapshots and eliminates stun.
Content-aware dedupe across one global namespace.



Primary Environment
On-prem, Cloud, Hybrid



SLA Policy Engine

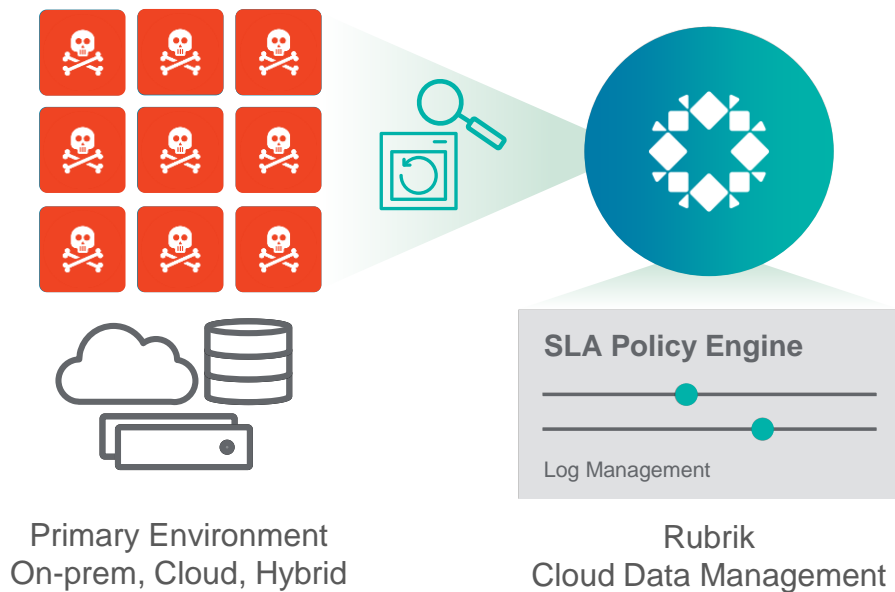


Log Management

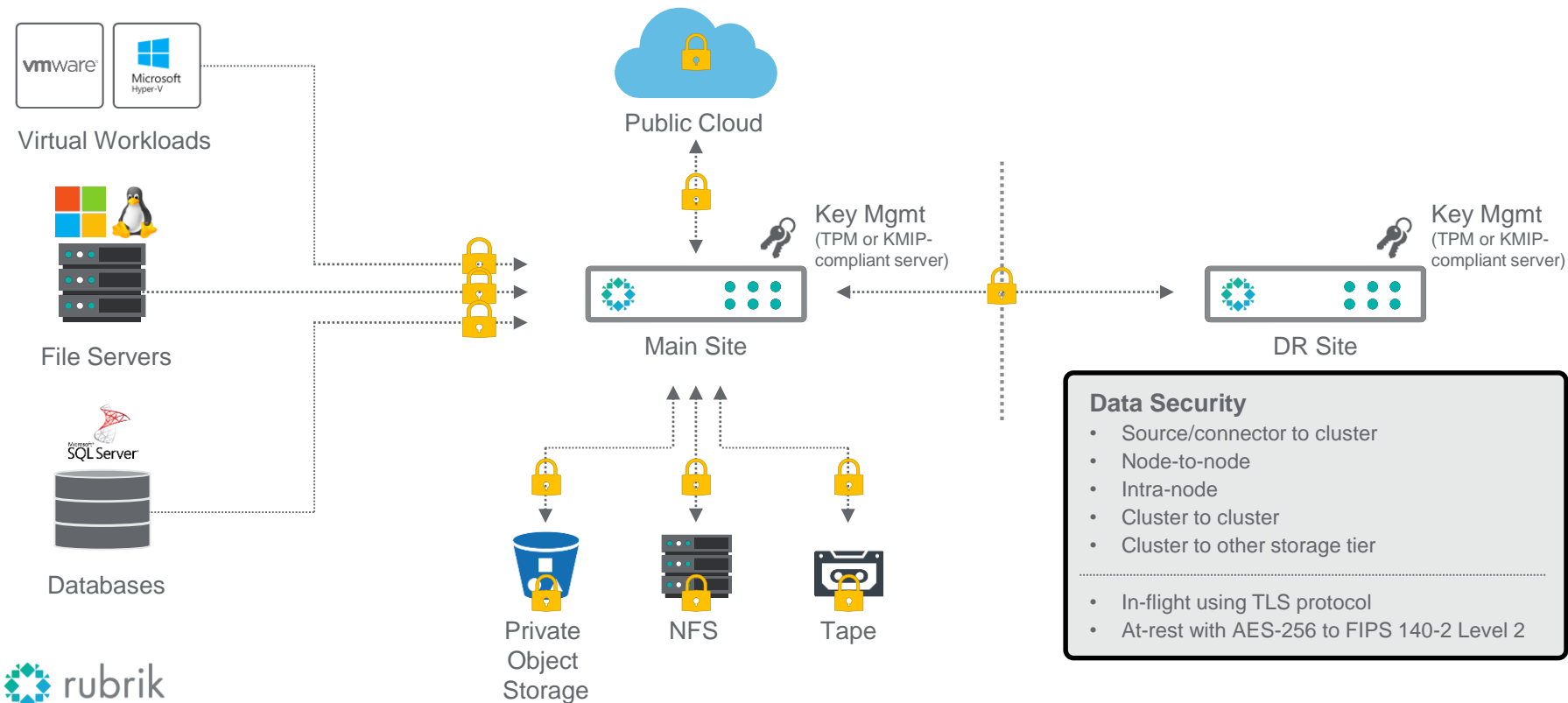
Rubrik
Cloud Data Management

Instant Recovery

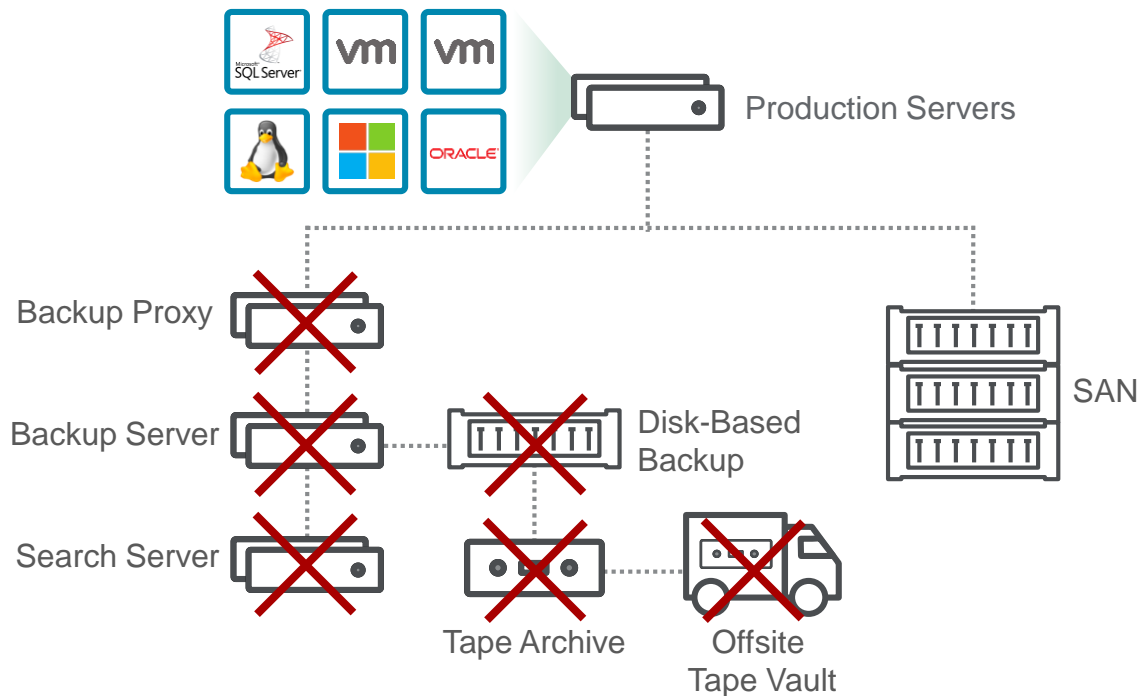
Live Mount VMs & SQL Databases. Instant search and file restore.



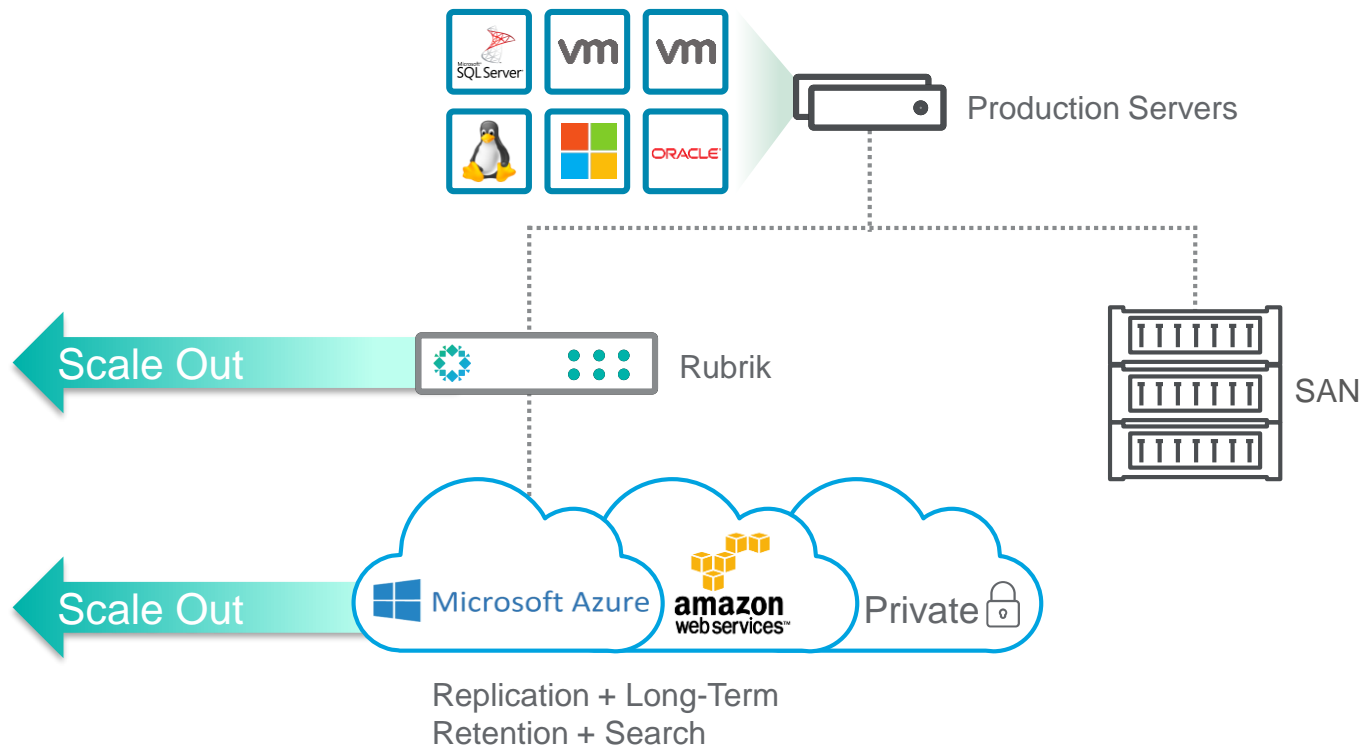
End-to-End Encryption



Your Data Center Today



Rubrik Simplifies Your Data Center



The Difference with Rubrik



End-to-End Data Management

Software convergence collapses bloated, legacy architecture into one platform that scales linearly.
No backup software needed.



Set-and-Forget Simplicity

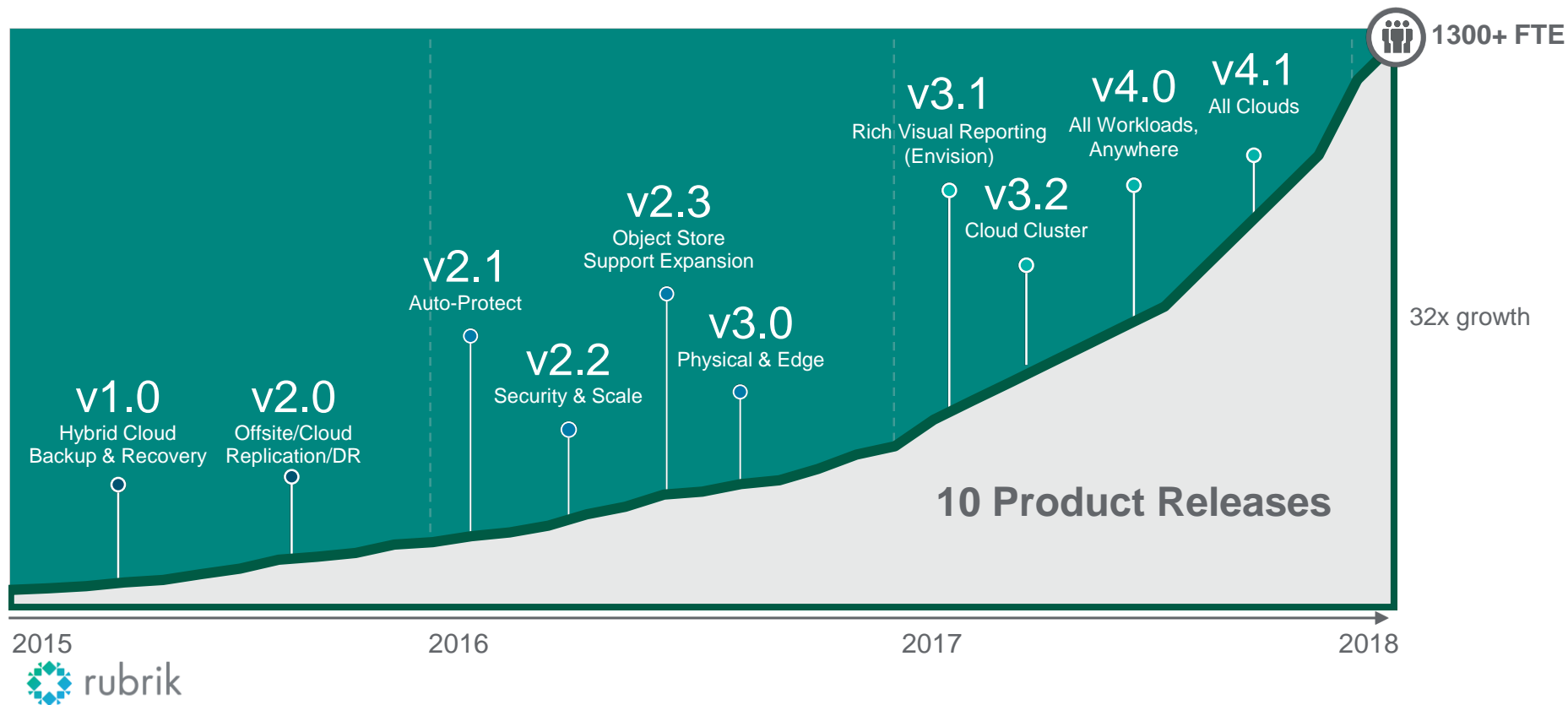
Self-learning system that minimizes daily management.
Automate service delivery with APIs. Don't get bogged down by complex knobs.



Cloud-Native Design

Mobilize your apps and data across data center and cloud.
CloudOut, CloudOn, and run Rubrik in the cloud.

We're Growing and Innovating Rapidly



What is an SLA?



SLA?

- Define local retention
- Specify remote archival
- Specify Brik to Brik replication



Edit SLA Domain

Remote Storage Configuration

Retention On Brik



Archival ☒

S3:rubrik-se1-1 ▼

☐ Enable Instant Archive ⓘ

Archival starts after data is expired locally, and is retained for **1 year 335 days**.

Replication ☐



Cancel

Configure SLA

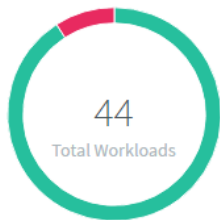
Edit



SLA Compliance Summary

[CSV ↓](#)[Schedule](#)

SLA Compliance

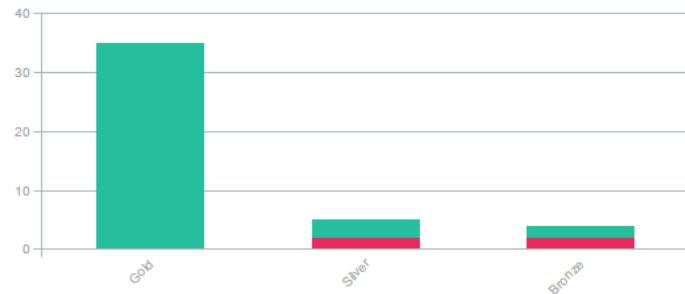


40 Workloads
In-Compliance



4 Workloads
Non-Compliant

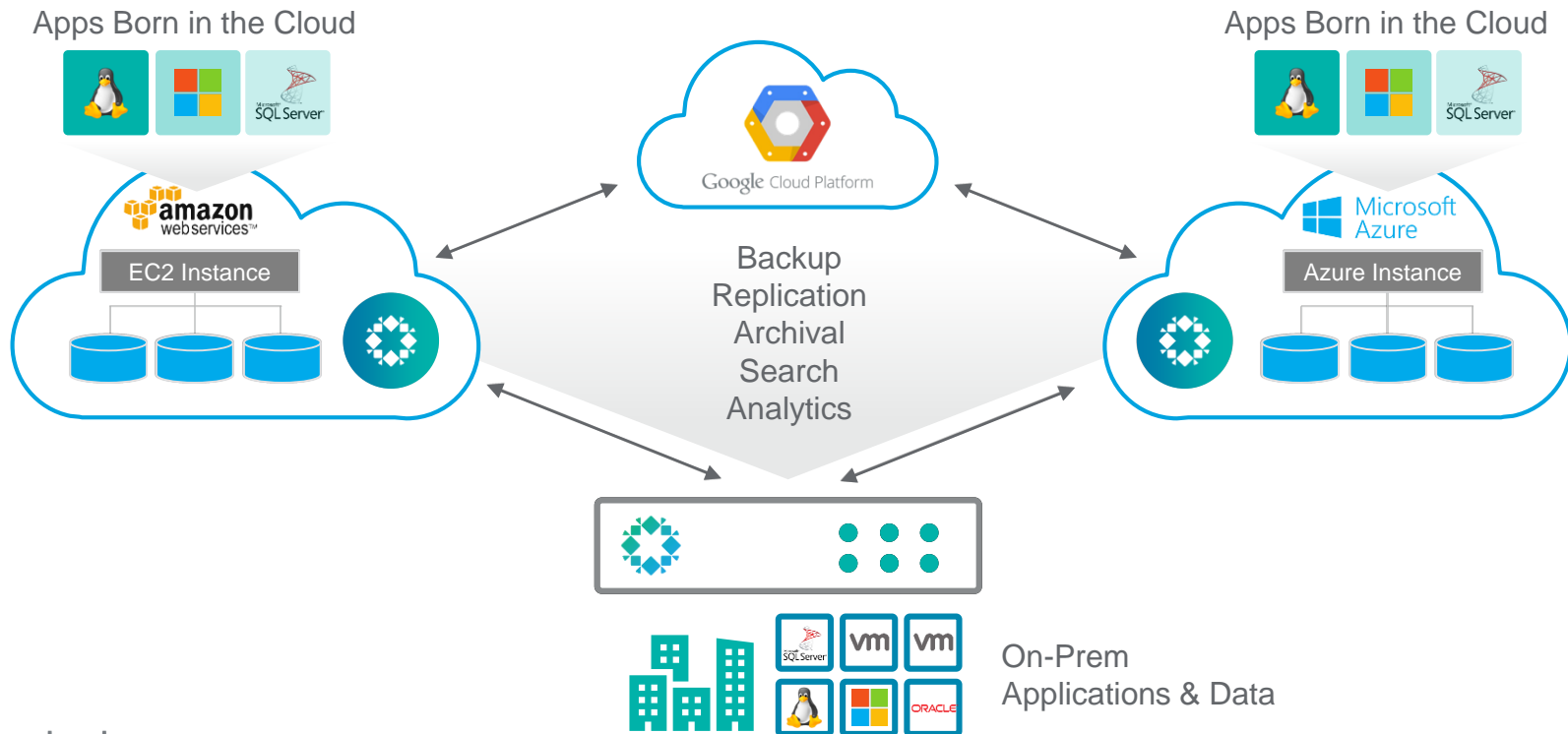
SLA Compliance by SLA Domain



SLA Compliance Summary

Workload Name ▼	Workload Type	Location	SLA Domain	Compliance Status	Protected On	Last Snapshot	Total Snapshots	Missed Snapshots
AdventureWork...	Mssql Database	SE-DHUTTON-w...	Gold	In-Compliance	1/24/17 11:11 am	1/30/17 3:20 pm	38	0
AdventureWork...	Mssql Database	SE-DHUTTON-w...	Gold	In-Compliance	1/30/17 7:43 am	1/30/17 3:45 pm	3	0
AdventureWork...	Mssql Database	SE-CGURLEY-WI...	Gold	In-Compliance	1/9/17 12:01 am	1/30/17 4:22 pm	37	0
AdventureWork...	Mssql Database	SE-JBURRELL-...	Bronze	Non-Compliant	1/8/17 11:56 pm	1/30/17 12:03 am	19	3

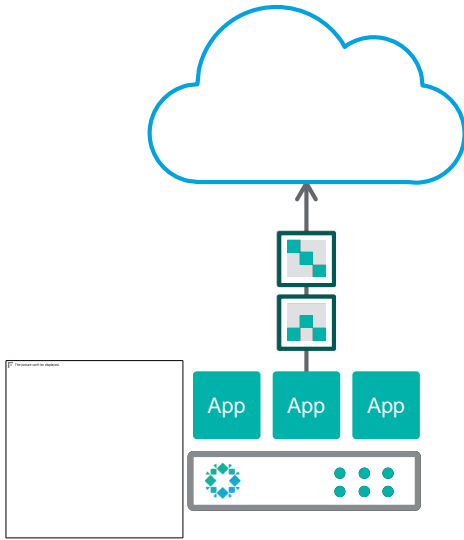
Run Rubrik Anywhere – Data Center to Cloud



Overview of Cloud Offerings

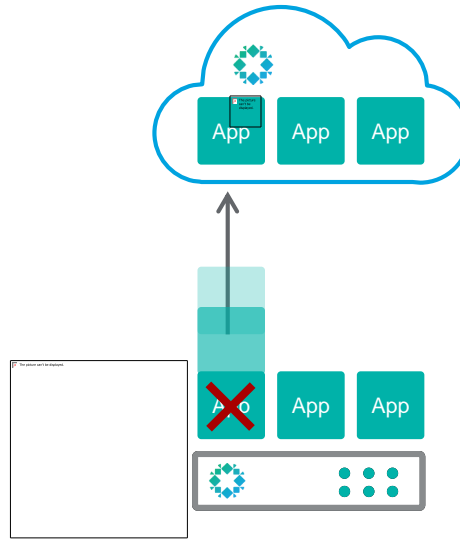
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CloudOut – Archival



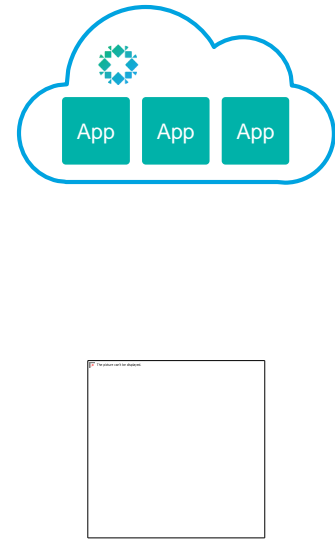
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**CloudOn – Workload
Instantiation**



3

Cloud Cluster



Summary

Single platform

Strong cloud integration

SLA-driven policies

API-first design that allows for flexibility





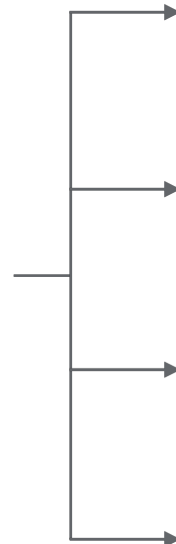
Don't Backup. Go Forward.



Automation & Rubrik

API-Driven Automation for Service Delivery

Integrate data management into a service delivery model.



Backup



Test/Dev



Instant
Recovery



Compliance



ANSIBLE



CHEF

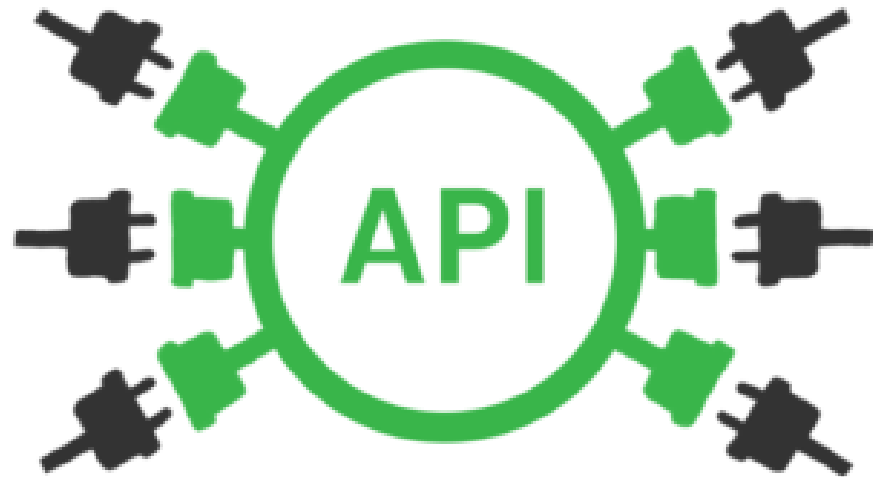


SALTSTACK

servicenow

API-first design

- Every click in the GUI is an API call
- API cannot be turned 'off'



Advantages of API-first design



Rubrik Internal API Explorer







Rubrik REST API Explorer







Rubrik INTERNAL REST API


/archive : INTERNAL Archival	Show/Hide	List Operations
/authorization : INTERNAL Authorization	Show/Hide	List Operations
/backup_throttle : INTERNAL Backup throttle settings	Show/Hide	List Operations
/blackout_window : INTERNAL Blackout windows.	Show/Hide	List Operations
/browse : INTERNAL Browse	Show/Hide	List Operations
/cloud_on : INTERNAL Cloud instantiation	Show/Hide	List Operations
/cluster : INTERNAL Cluster configuration and health	Show/Hide	List Operations

PowerShell Module






 [rubrikinc](#) / [PowerShell-Module](#)






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 Code  Issues 12  Pull requests 2  Projects 0  Insights  Settings

PowerShell Module for Rubrik <http://www.rubrik.com> 

[Manage topics](#)

 678 commits  3 branches  8 releases  15 contributors  Apache-2.0

Branch: master ▾  New pull request  Create new file  Upload files  Find file  Clone or download ▾

Rubrik Python SDK

rubrik-cdm 1.0.7



Latest version


```
pip install rubrik-cdm
```



Last released: Sep 6, 2018

A Python package for interacting with the Rubrik CDM API.

Navigation

 Project description

 Release history

 Download files

Project links

 Homepage

Statistics

Project description

Rubrik Cloud Data Management SDK for Python

This project provides a Python package that makes it easy to interact with the Rubrik CDM API.

The SDK has been tested against Python 2.7.6 and Python 3.6.4.

[Full Documentation](#)

INSTALLATION

Install from pip:

```
pip install rubrik_cdm
```





SQL, Azure & Rubrik