

# Ziekenhuis Oost-Limburg

## Rubrik – Clouidian

Kurt Gielen  
Geert Verbist



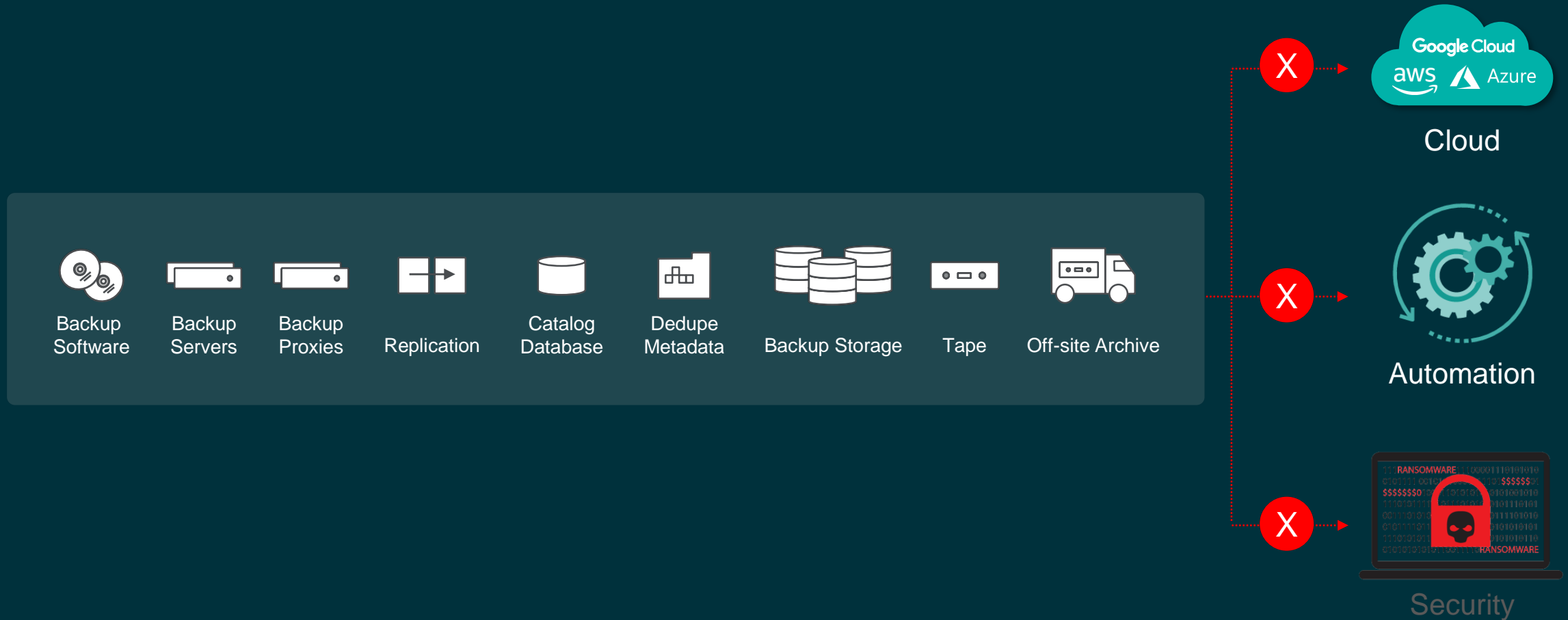
# Agenda

- Rubrik Introduction
- ZOL Use Case

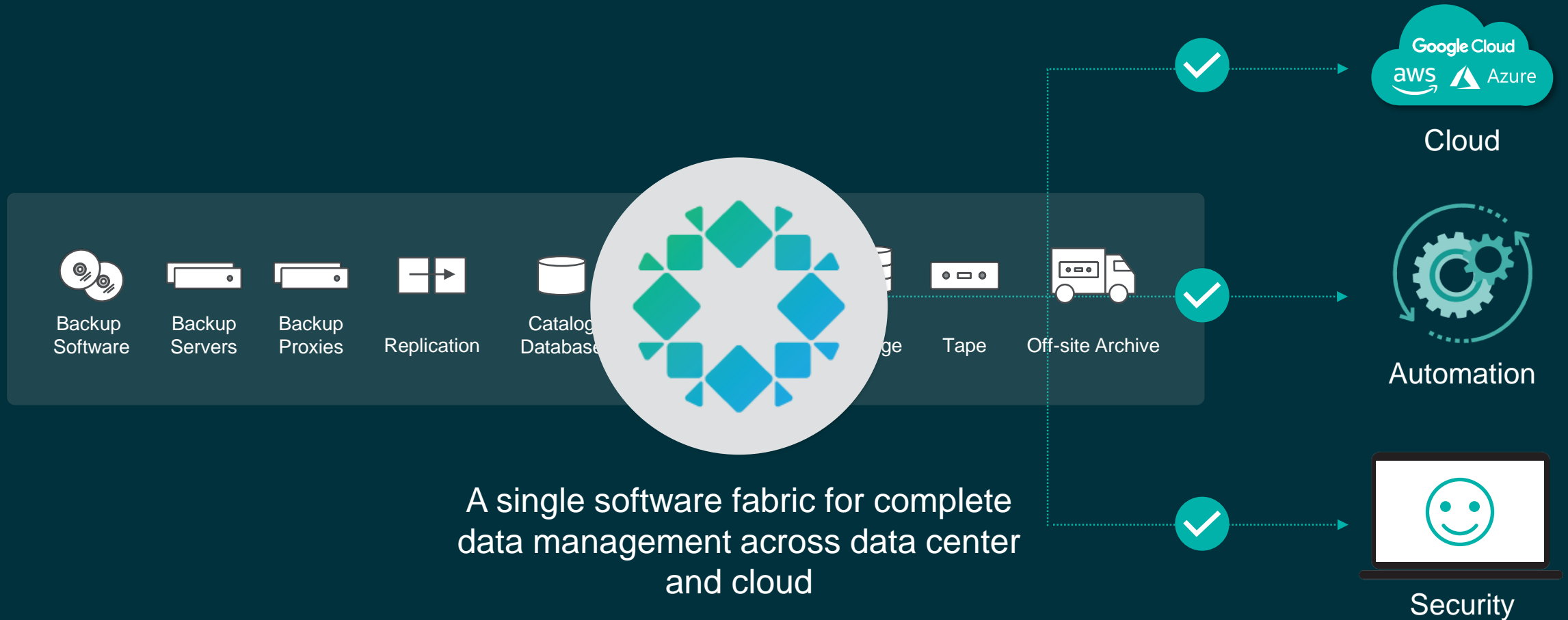


# Rubrik Introduction

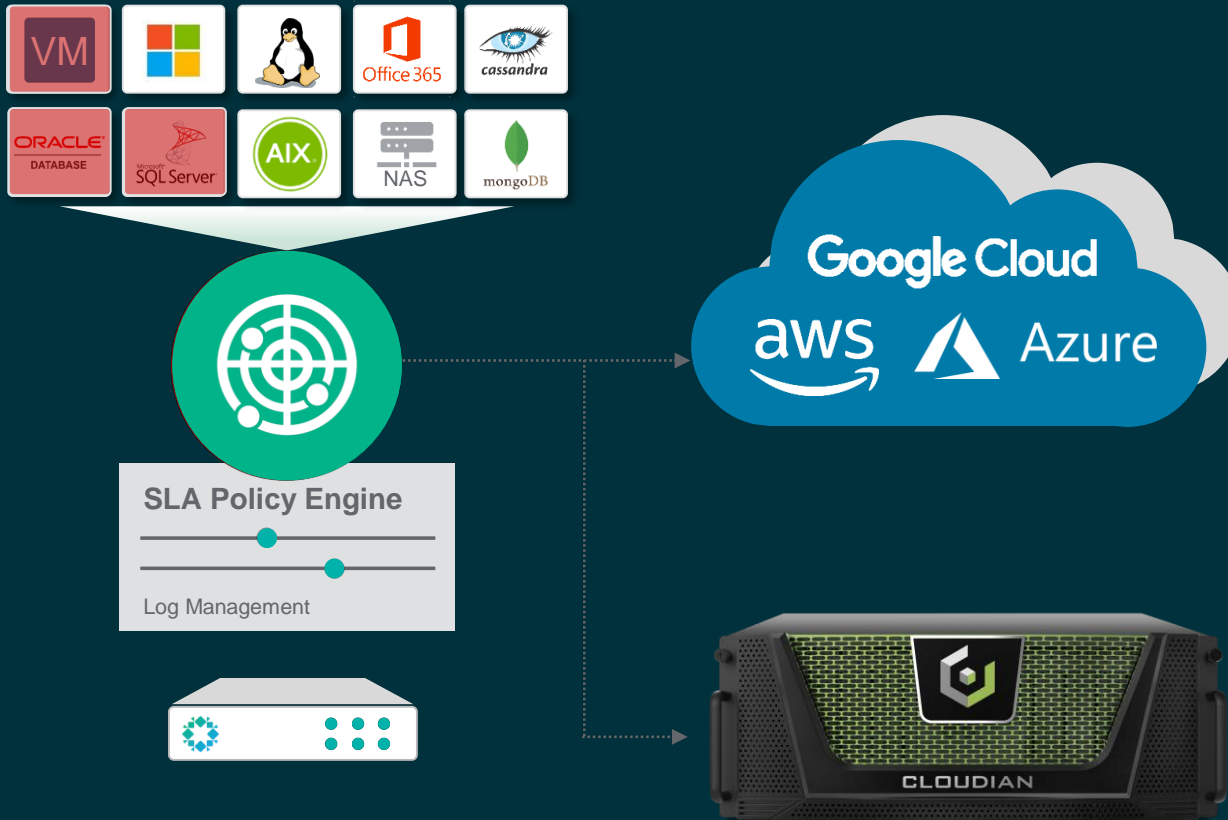
# Data Management: 1990s to Present



# Meet Rubrik Cloud Data Management



# How It Works



## Enterprise Backup Re-Imagined

1

- Simple to Setup, Simple to Use
- All Enterprise Applications
- Instant Recovery

## Built for Cloud

2

- Cloud Archival
- Google-like Search on Cloud
- File-level Recovery

## Built for Security

3

- End-to-End Encryption
- Native Immutability Against Ransomware
- AI/ML-Driven Ransomware Recovery



# ZOL Use Case

# Legacy situation

- Backup Exec for VMware
  - DPM for Hyper-V
  - Backup Exec for Exchange
  - NDMP for Netapp (medical imaging)
  - Dedicated AS-400 backup tools & tape libs
- A lot of operational overhead
  - Complicated schedules needed
  - Backup storage close to source data
  - RTO, RPO uncertain.
  - Old tape complex and unreliable
  - No monitoring or reporting
  - No option for archiving except tapes



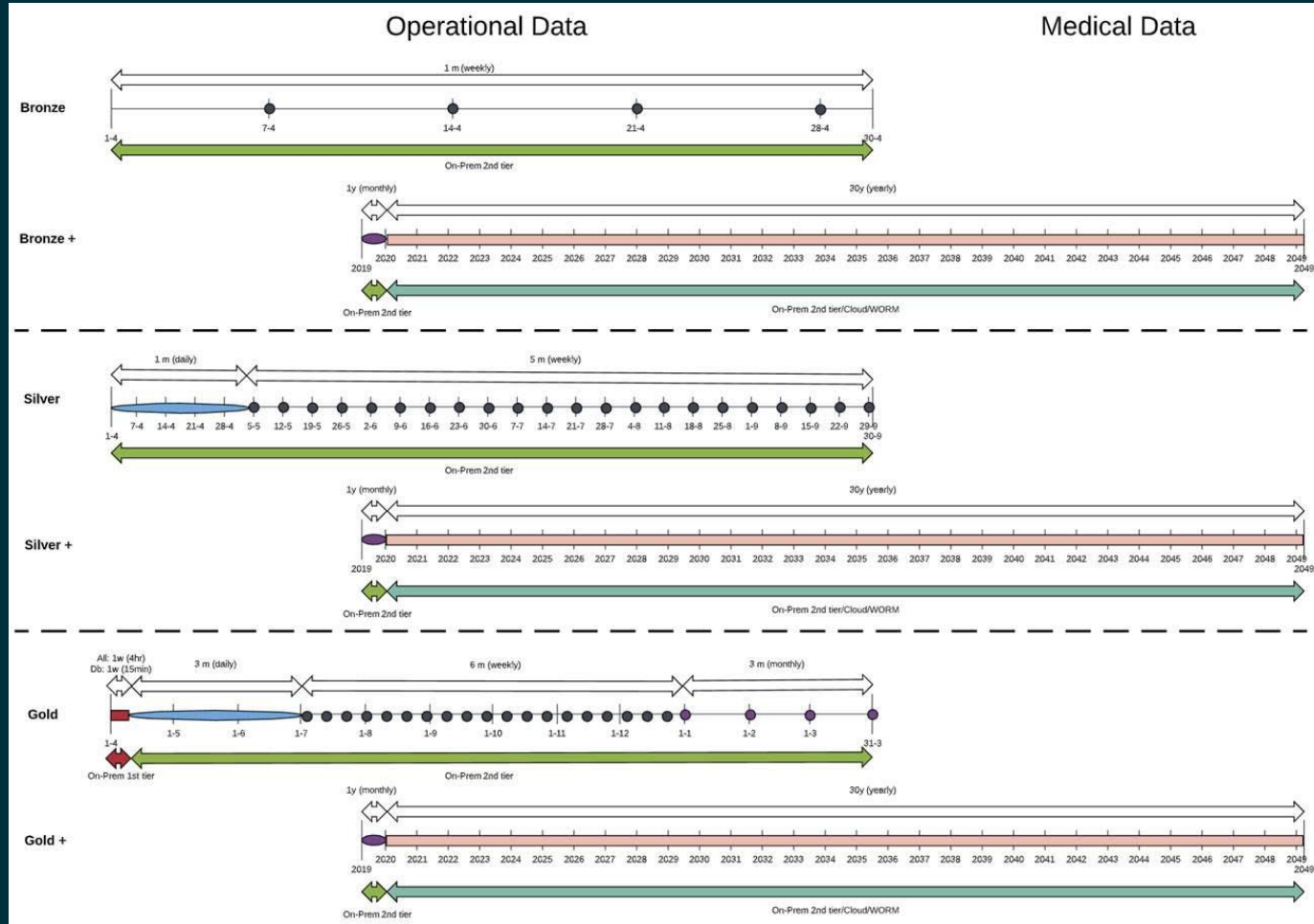
# Desired situation

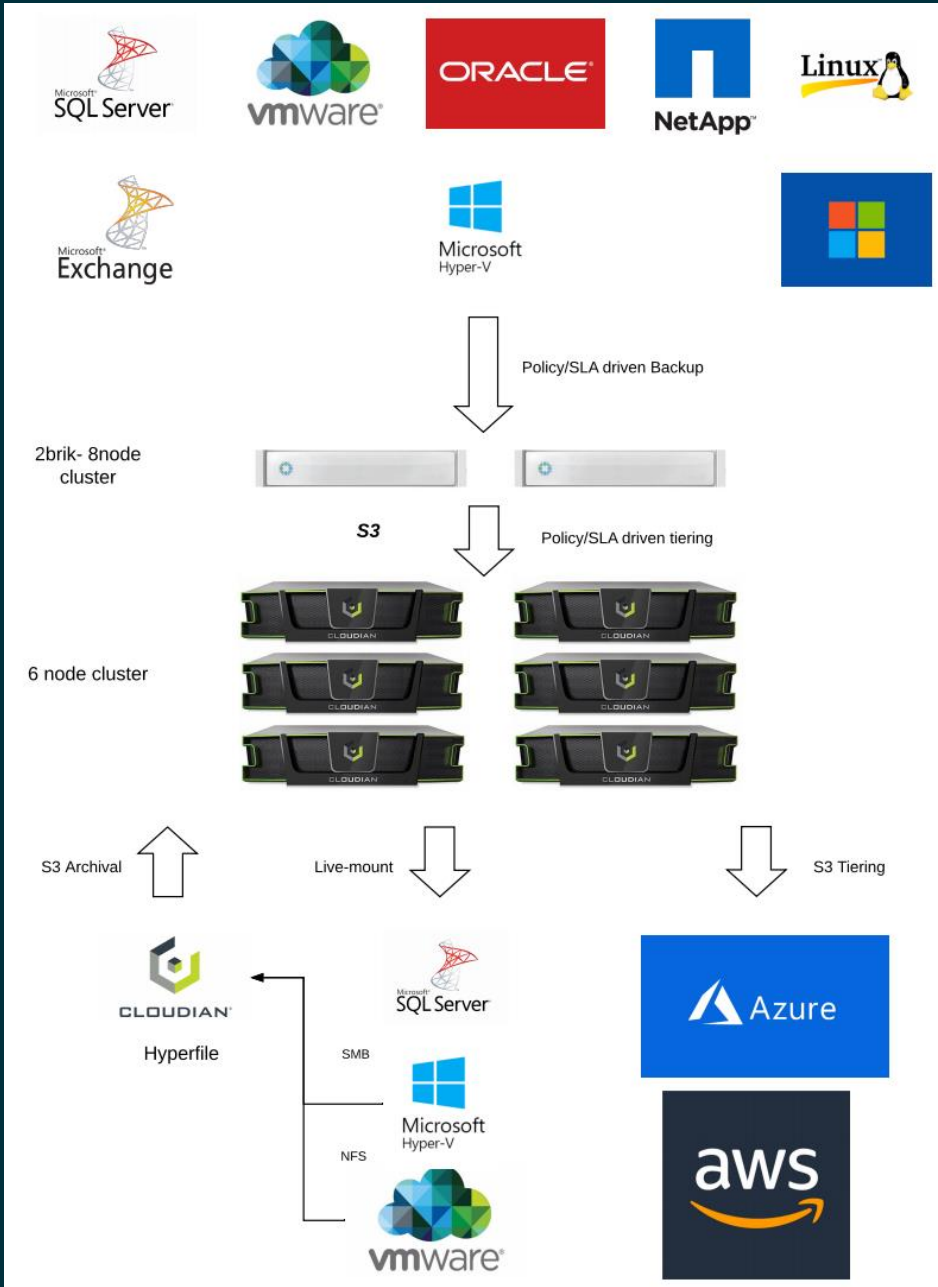
- Improved and reliable RTO and RPO
- Multi-tiered fast recovery on prem and long term retention in archive
- Simple and uniform policy management – low maintenance
- SLA driven backups decoupled from time windows

# Implementation

- 2 Rubrik Appliances (2\*48Tb, 80cores, 496Gb RAM)
- 6 node Cloudfian cluster (700 Tb ) + Hyperfile frontend for VMWare (NFS) & Hyper-V/fileshare (SMB) archival

# Results







# Additional benefits

- Acceptance and reporting of production databases via SQL Live Mount
- DRS – DRP capabilities
- Automate SQL Live mount via Powershell SDK or Rest API

# Roadmap

- Improved and reliable RTO and RPO
- Multi-tiered fast recovery on prem and long term retention in archive
- Simple and uniform policy management – low maintenance
- Cloudian S3 capabilities for analytics

Don't Backup. Go Forward.

