

Bringing the Benefits of Hyperconvergence to Secondary Storage

SNIA – Data Storage Innovation

JUNE 13, 2016

The logo for COHESITY, featuring the word in a white, sans-serif font. The letter 'S' is highlighted in a bright green color. The logo is positioned on the right side of the slide, against a dark gray background.

Who Am I?



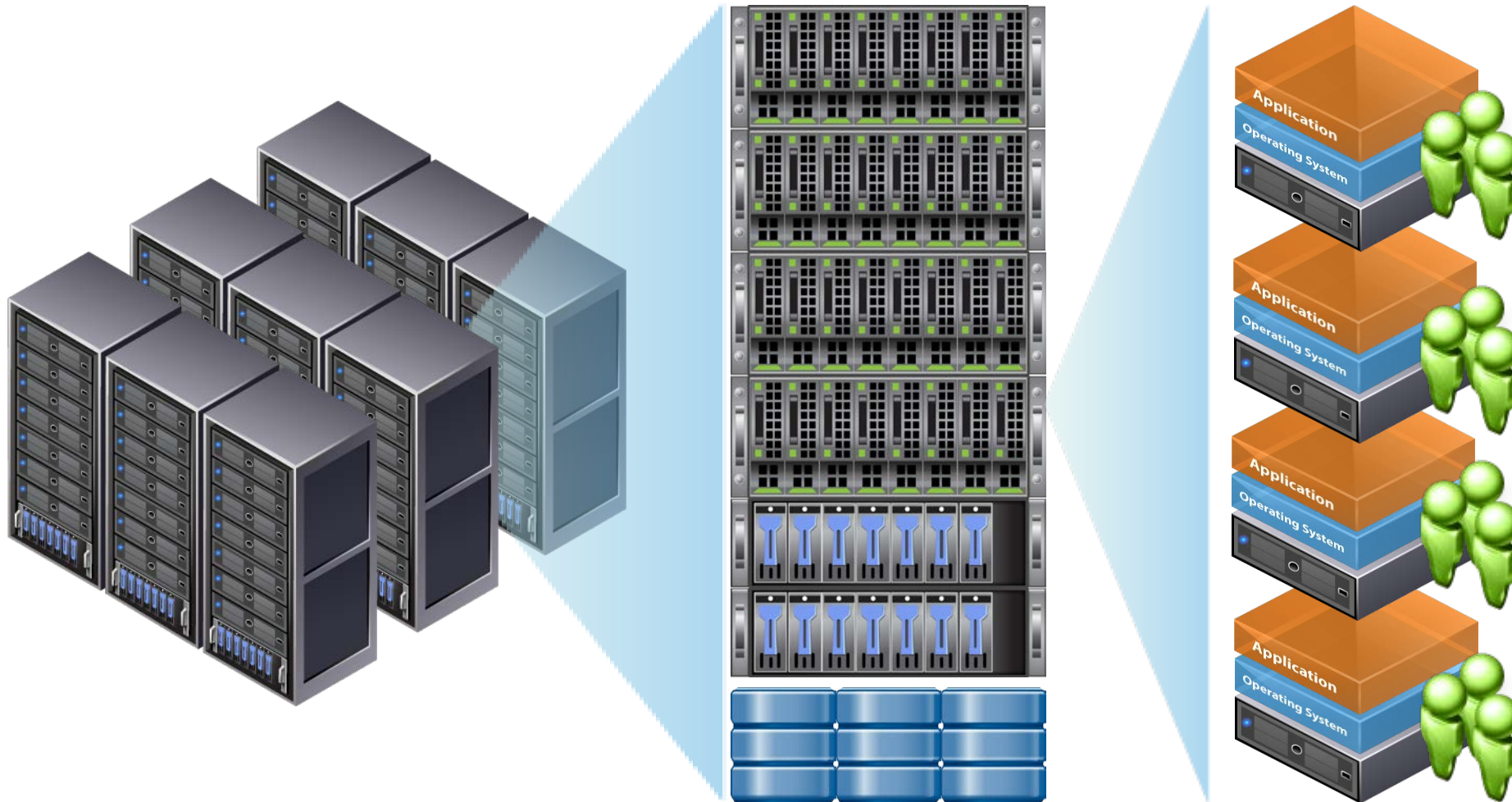
Nick Howell

@datacenterdude

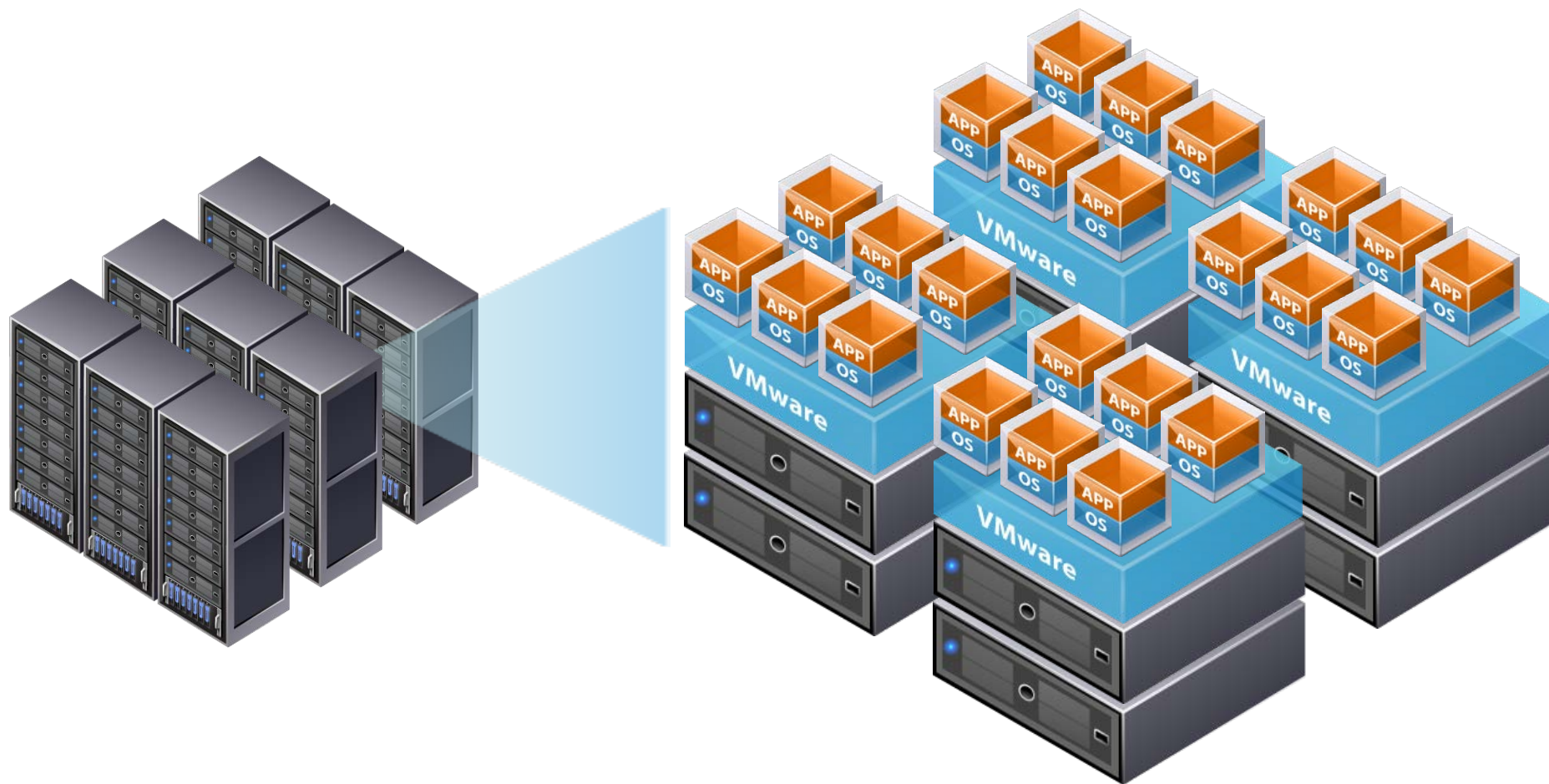
Tech Evangelist

- Infrastructure & Datacenter
- Financial | Healthcare | Gov't
- Consultant | Admin | Engineer
- Datacenterdude.com

How Do We Get Here?



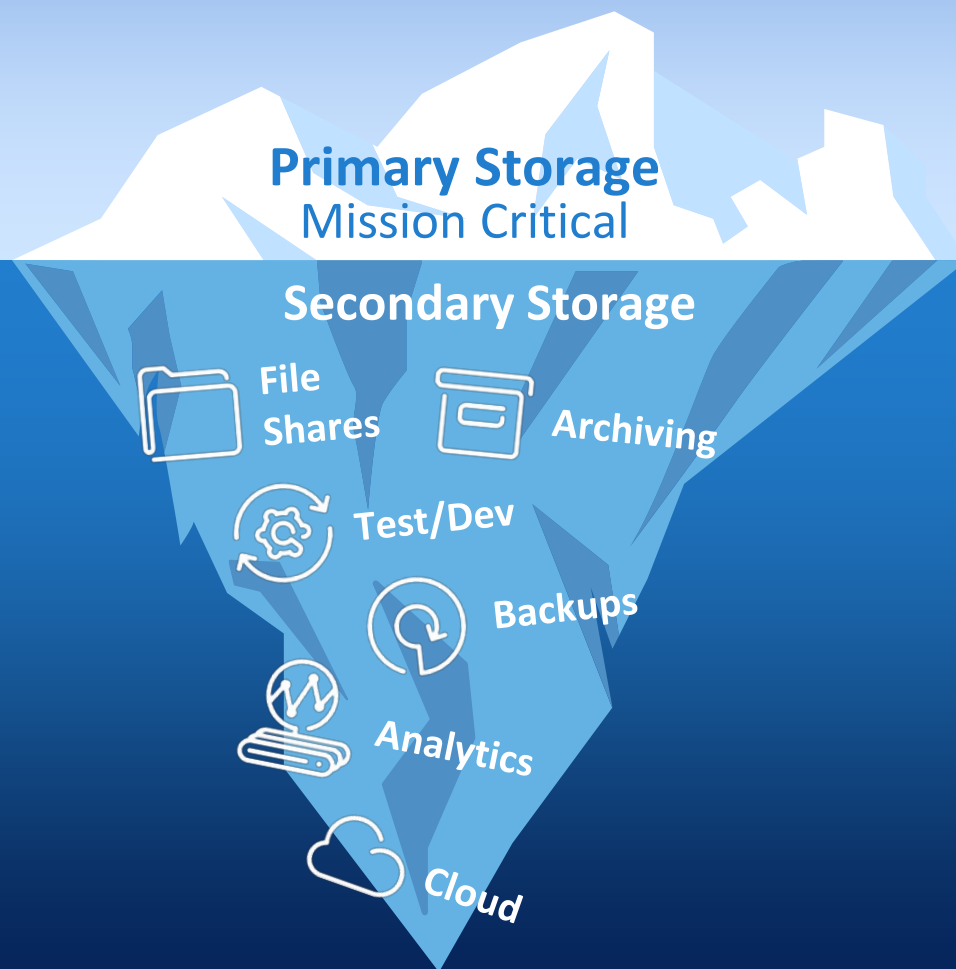
Virtualization & Cloud Era



Ecosystem Evolution

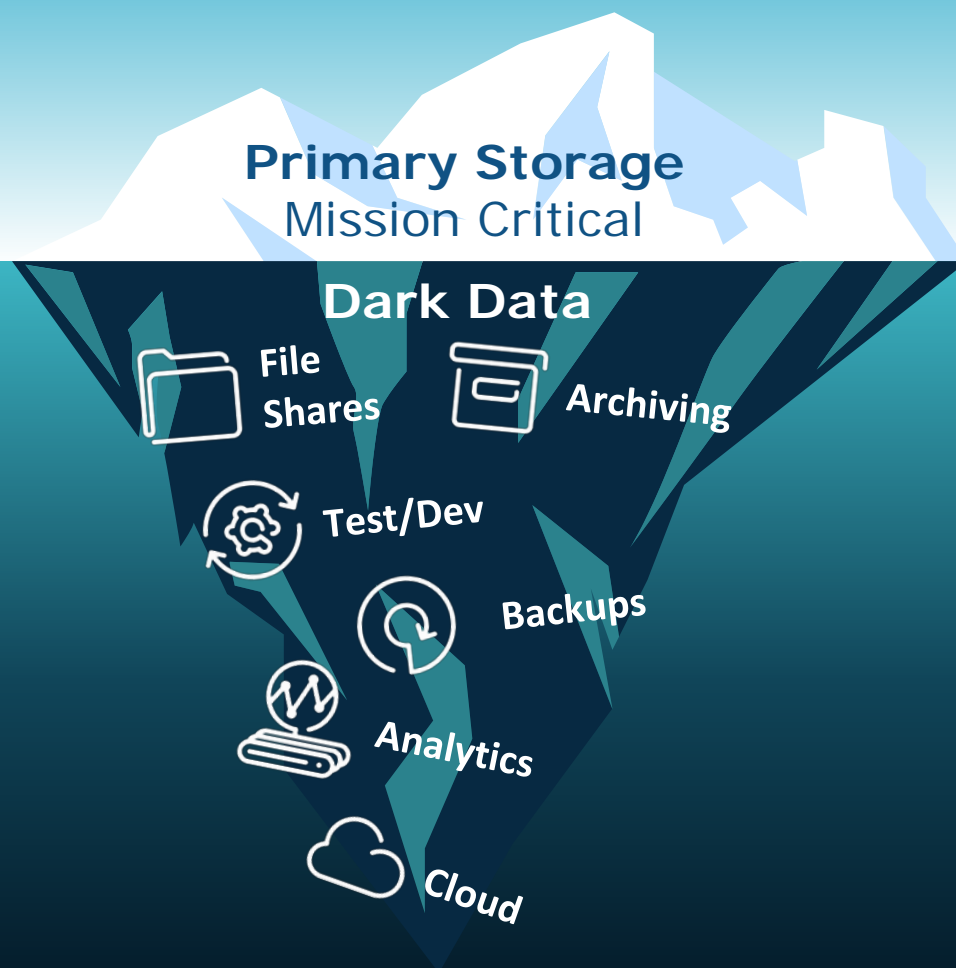


The Storage Iceberg




- Fragmented
- Inefficient

The Storage Iceberg



- Fragmented
- Inefficient
- Dark Data

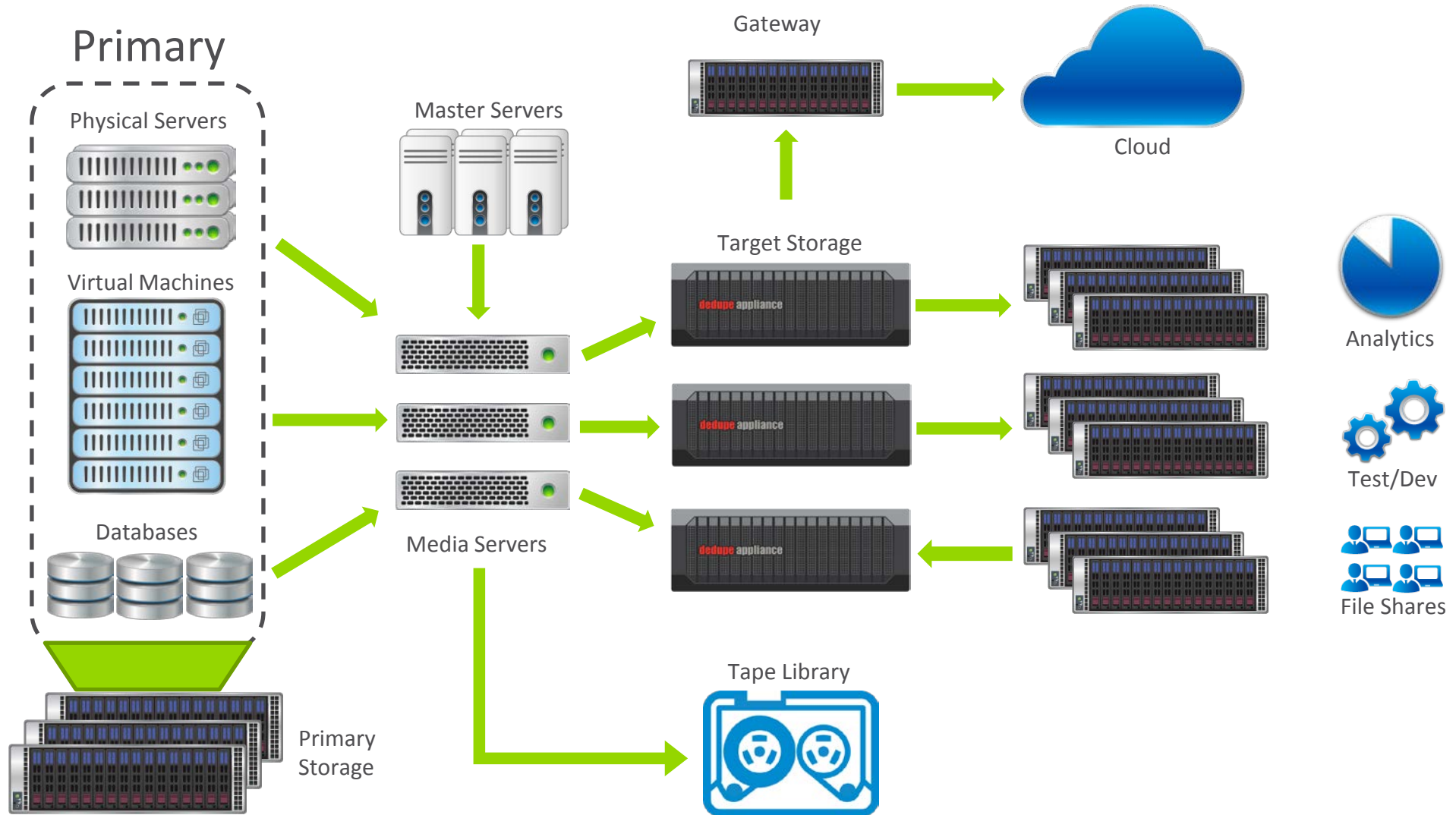


Hyperconverged Secondary Storage

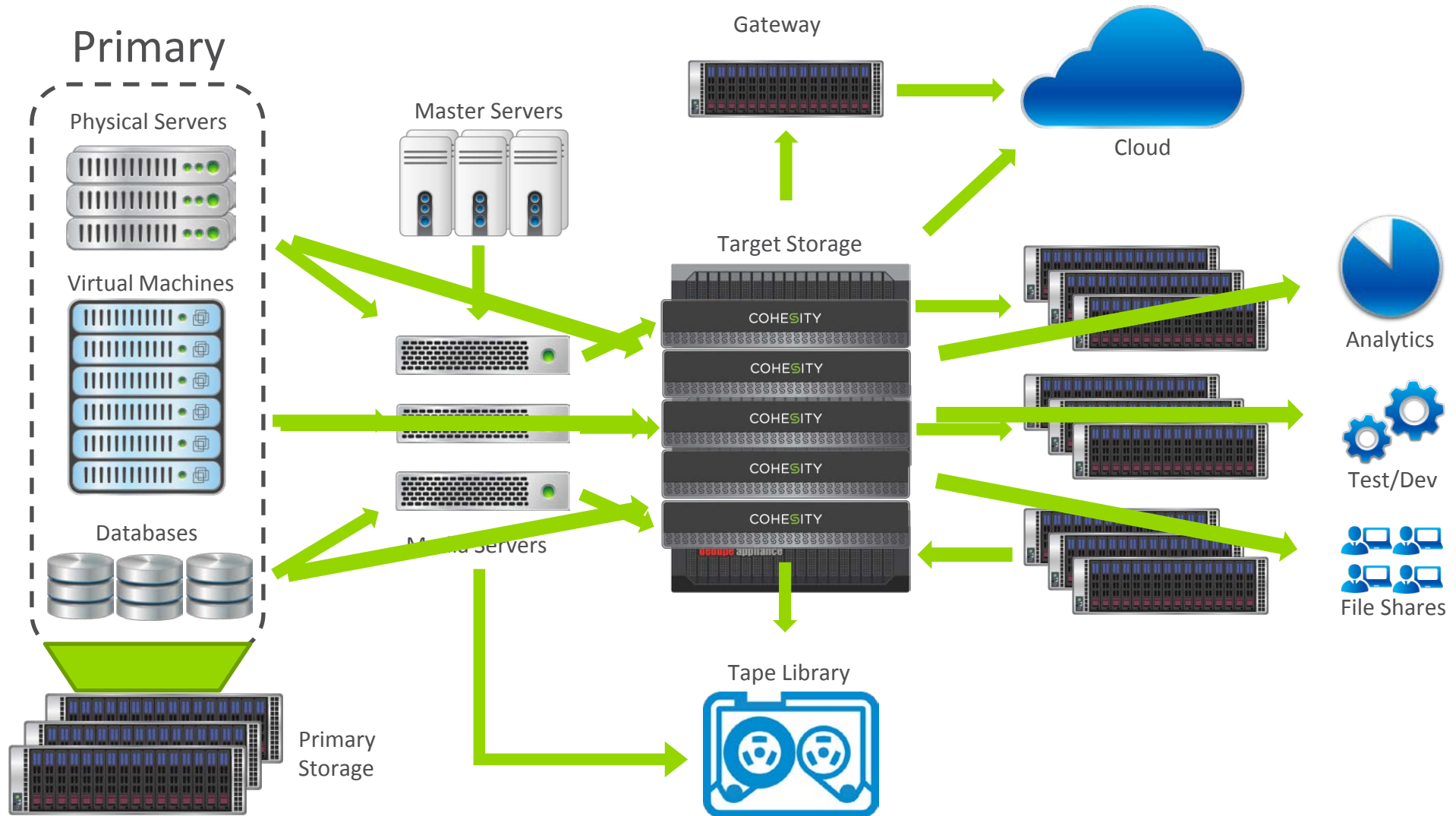


#HCSS

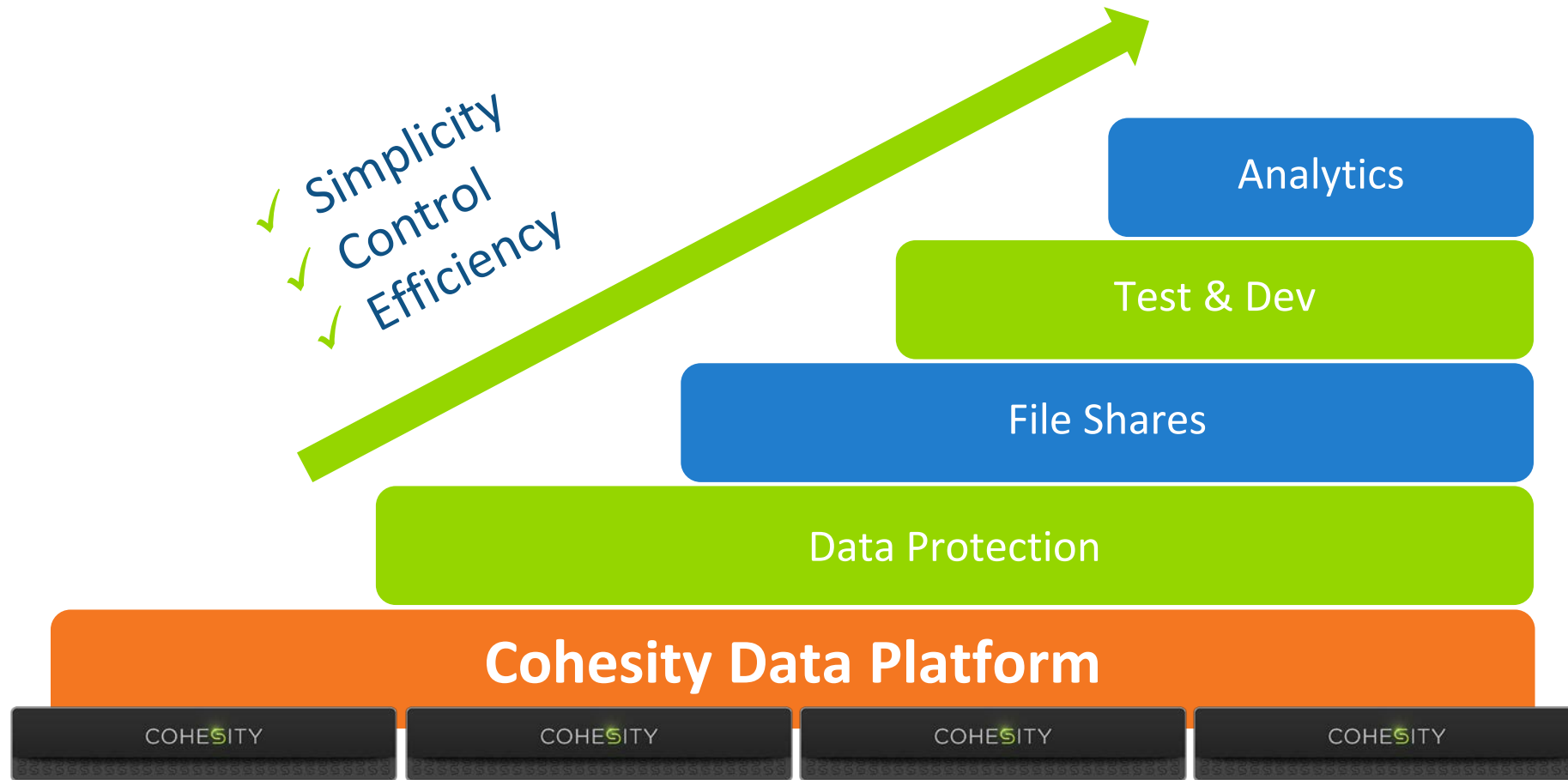
Traditional Secondary Storage



HyperSeg: Segmented Data and Storage



Consolidate with Hyperconvergence!



Cohesity | C2000 Series

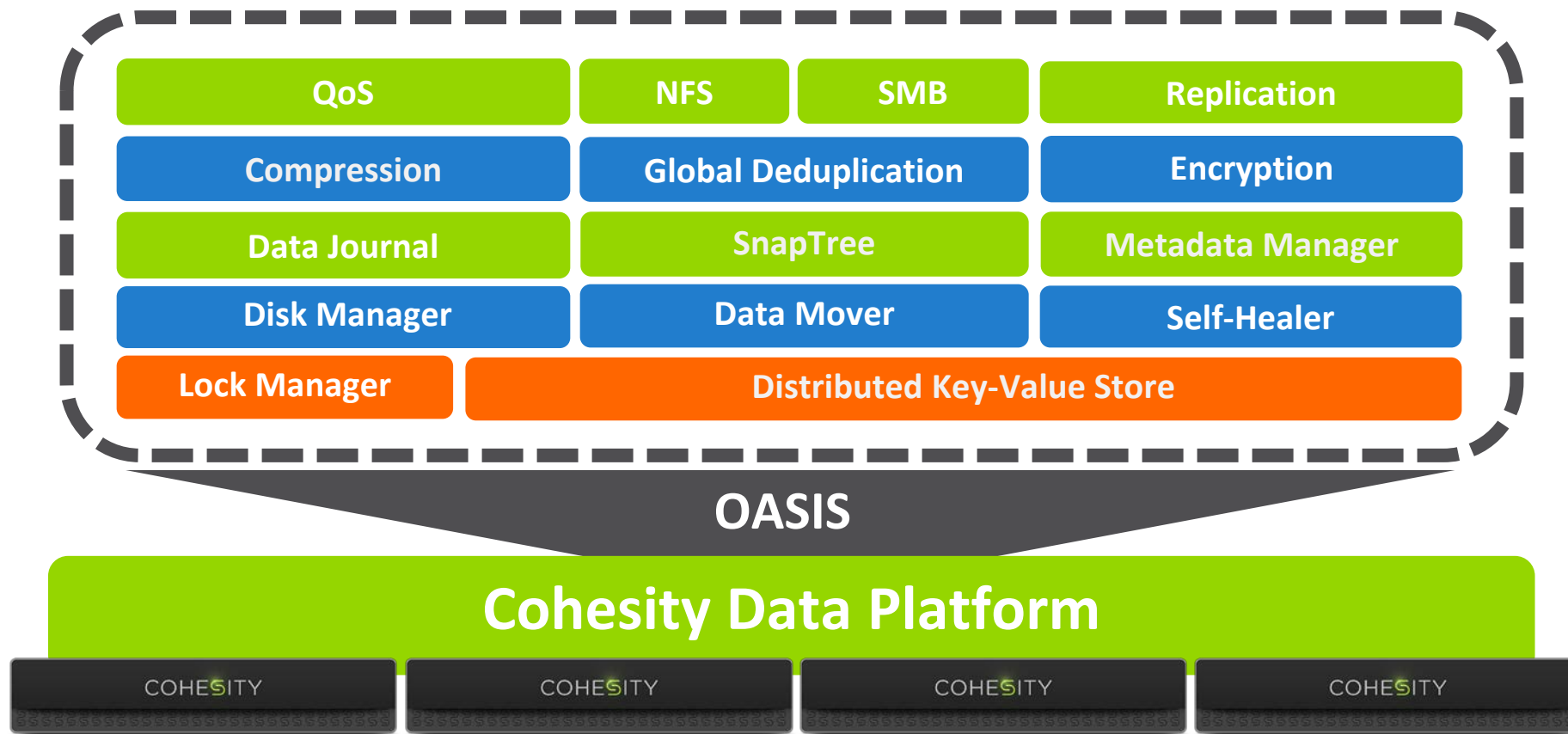


Chassis **2U, 4 HA Nodes**
HDD Storage **96 TB**
Flash Storage **6.4 TB**
Network **10GbE**

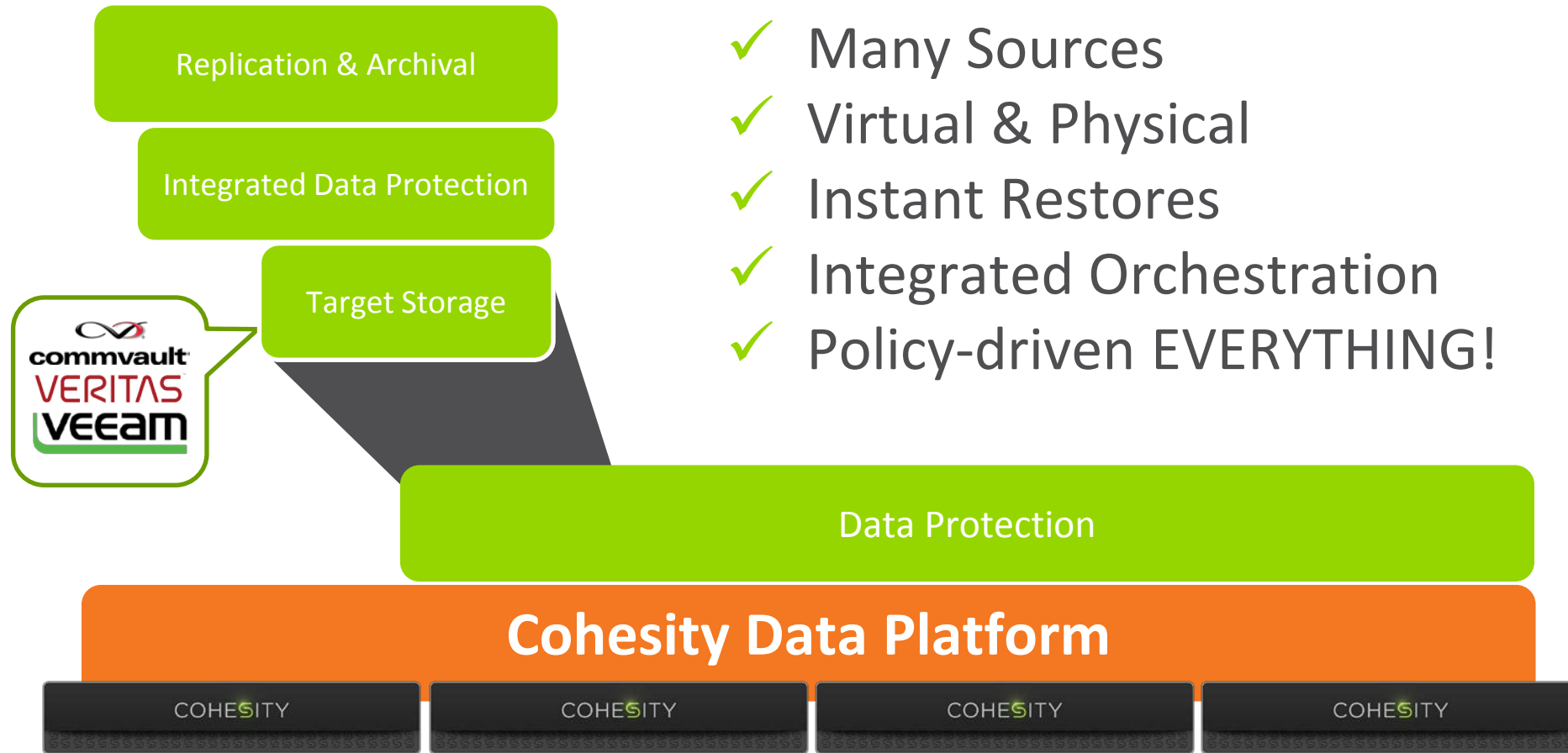
Benefits of Commodity

- ✓ High performance
- ✓ Off-the-Shelf Components
- ✓ Cost-effective
- ✓ Scale-out
- ✓ Shared-nothing Architecture

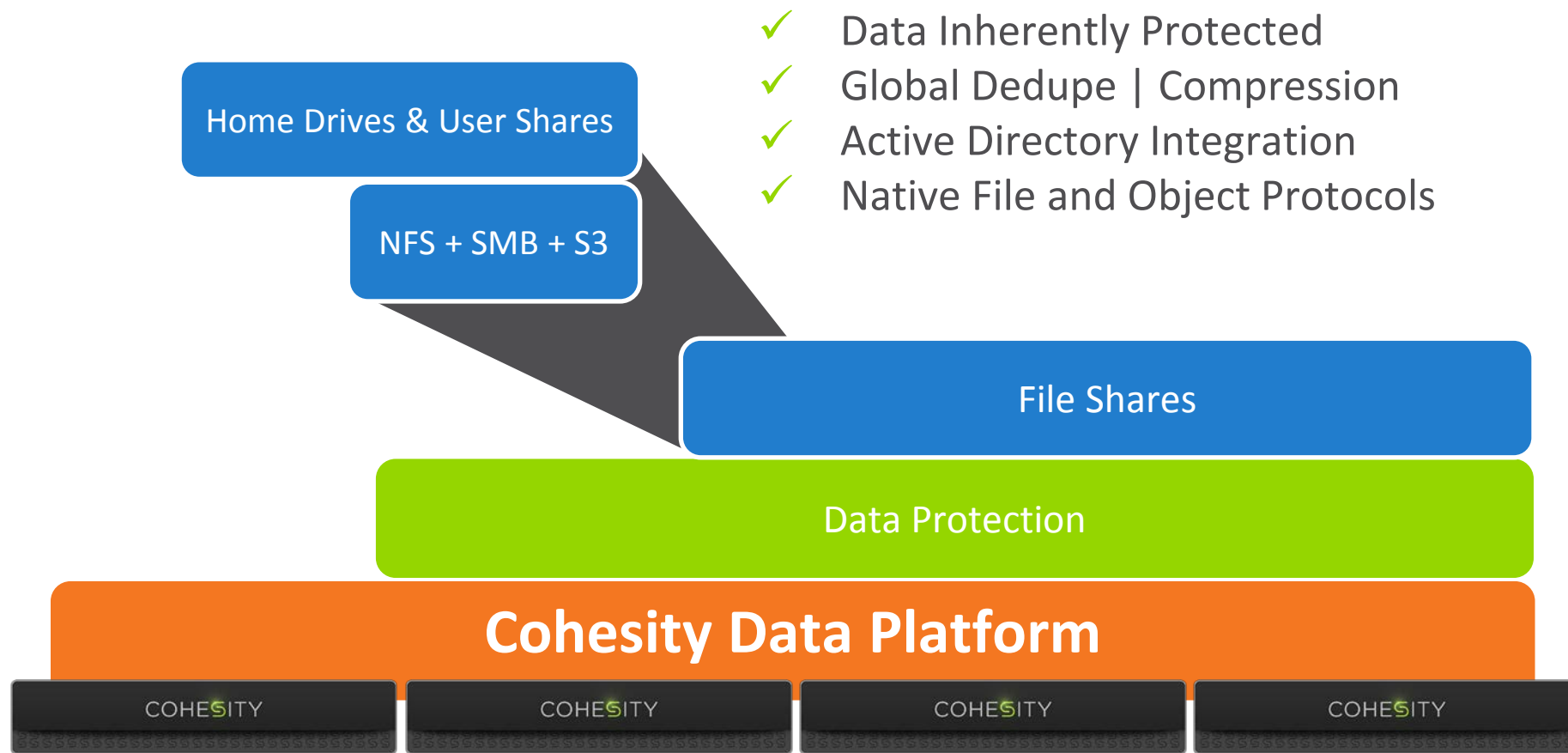
Cohesity | Distributed File System



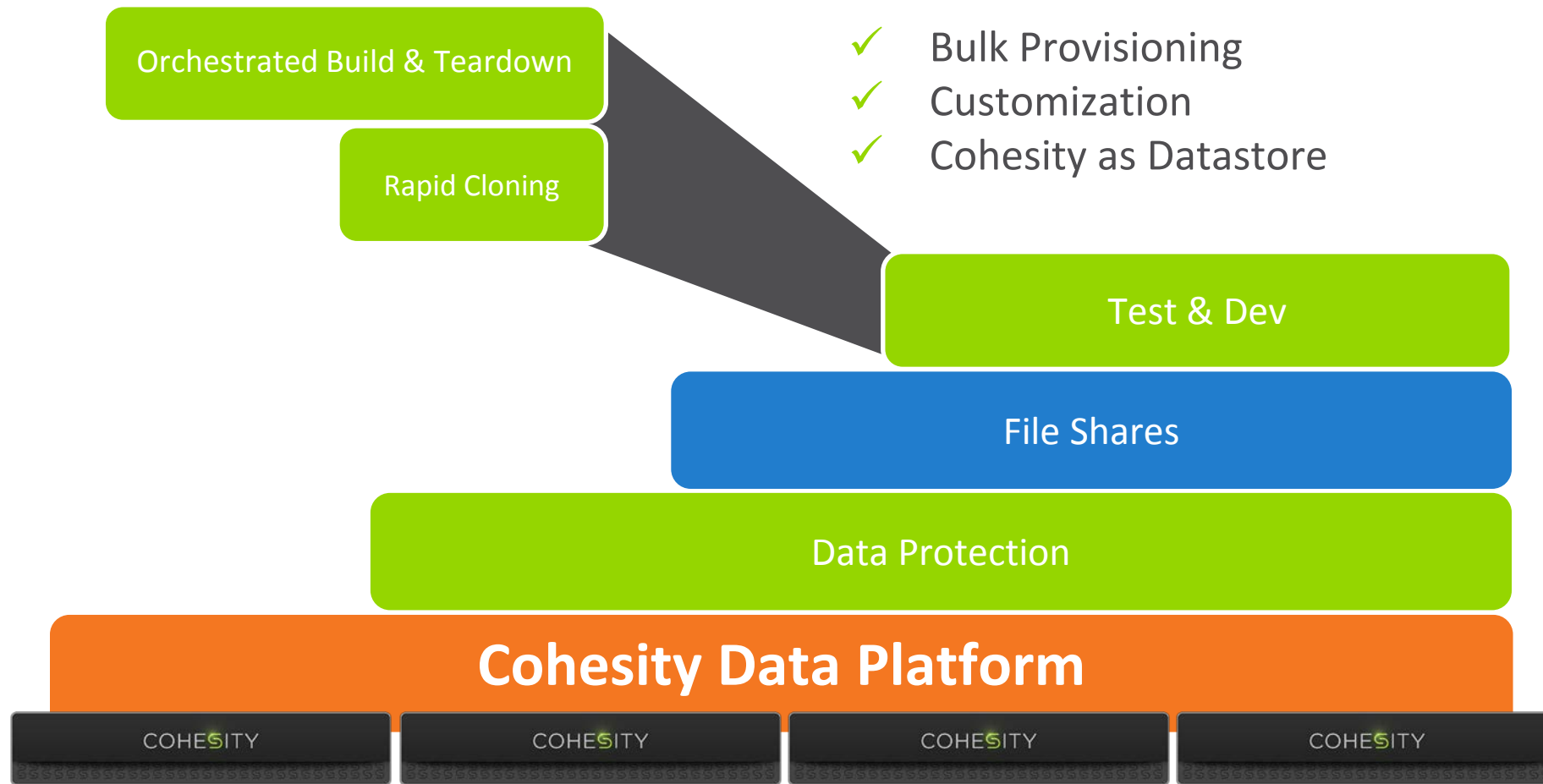
Cohesity | Data Protection



Cohesity | File Shares

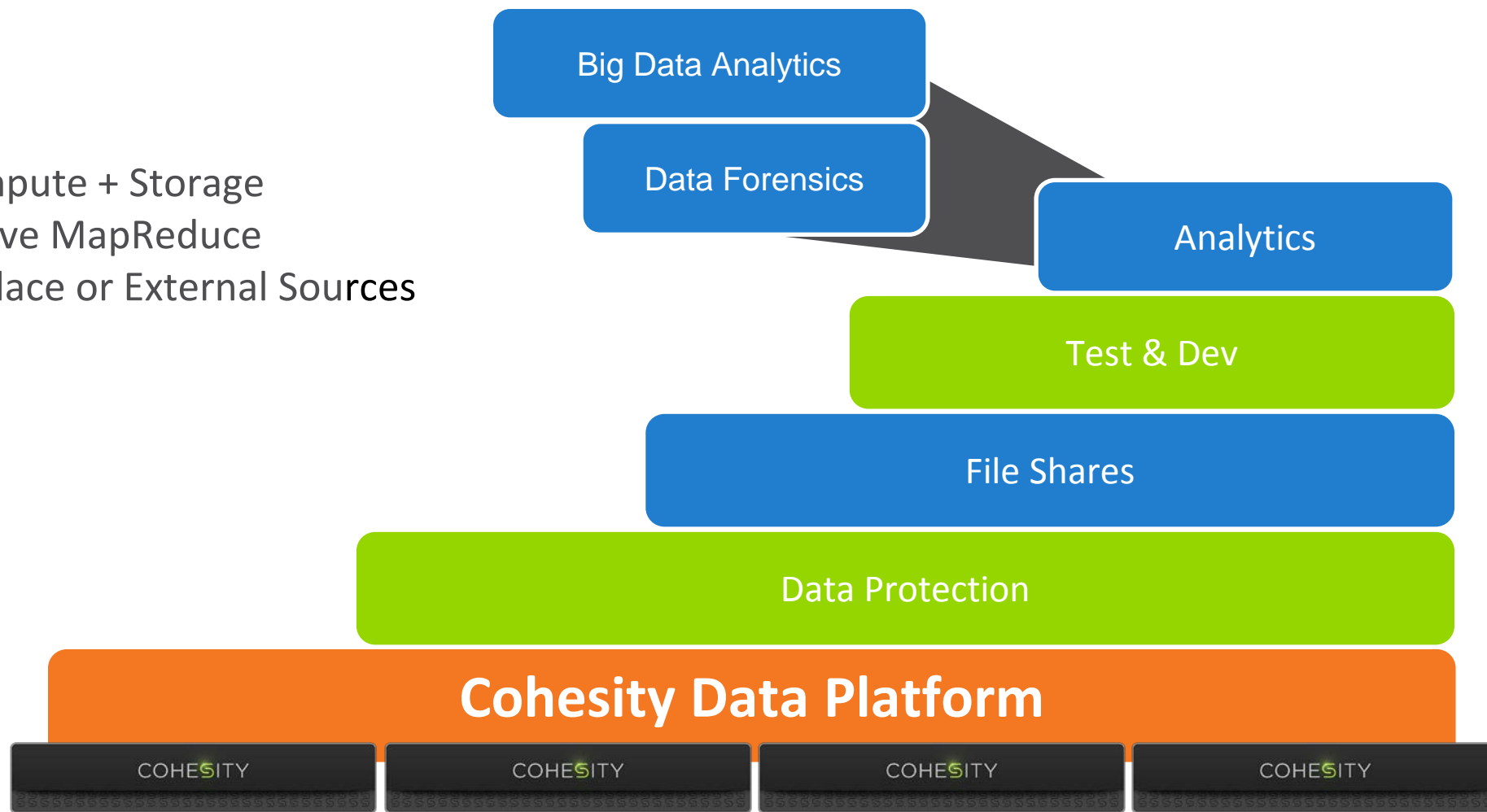


Cohesity | Test & Dev

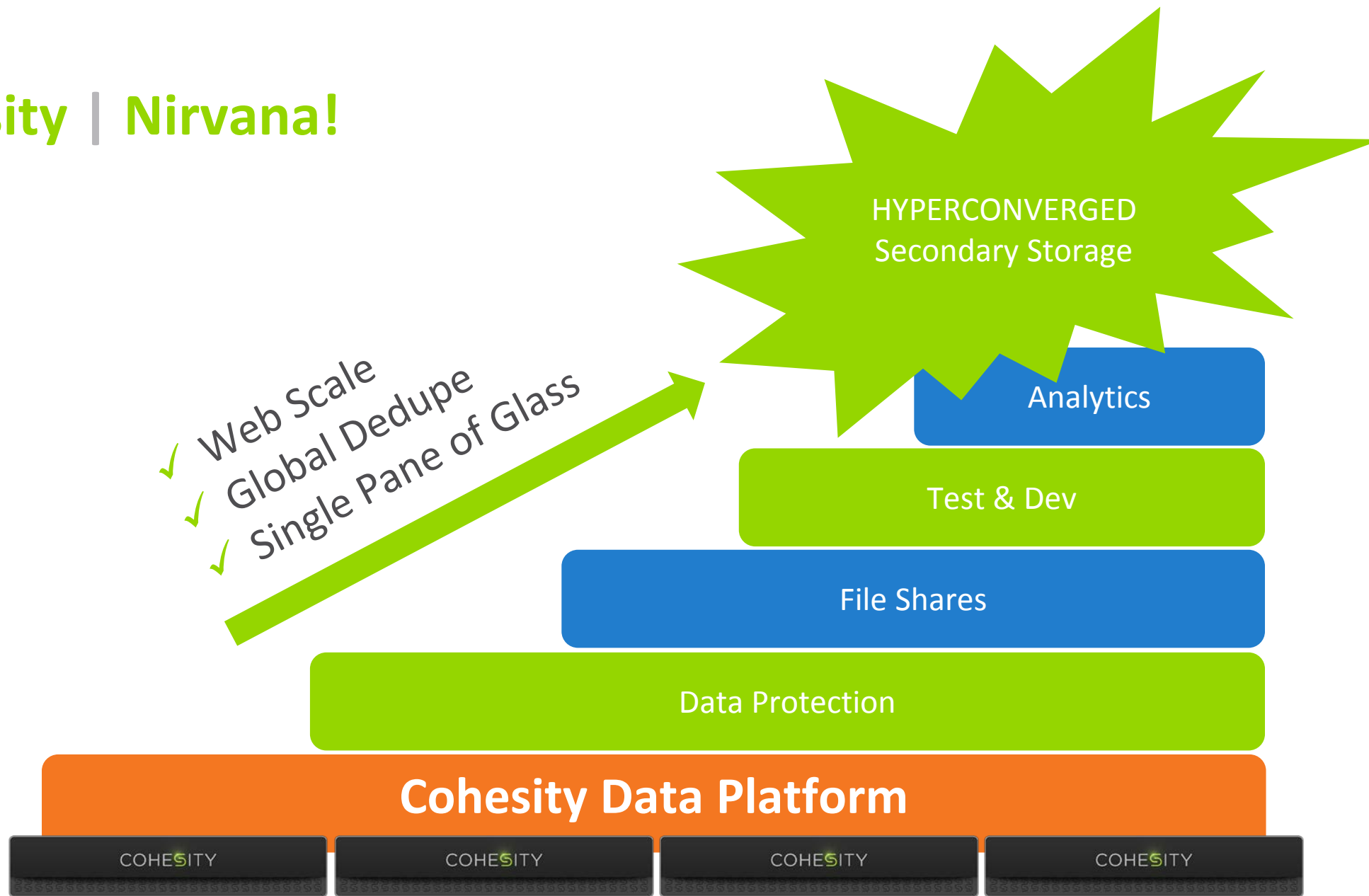


Cohesity | Analytics

- ✓ Compute + Storage
- ✓ Native MapReduce
- ✓ In-Place or External Sources

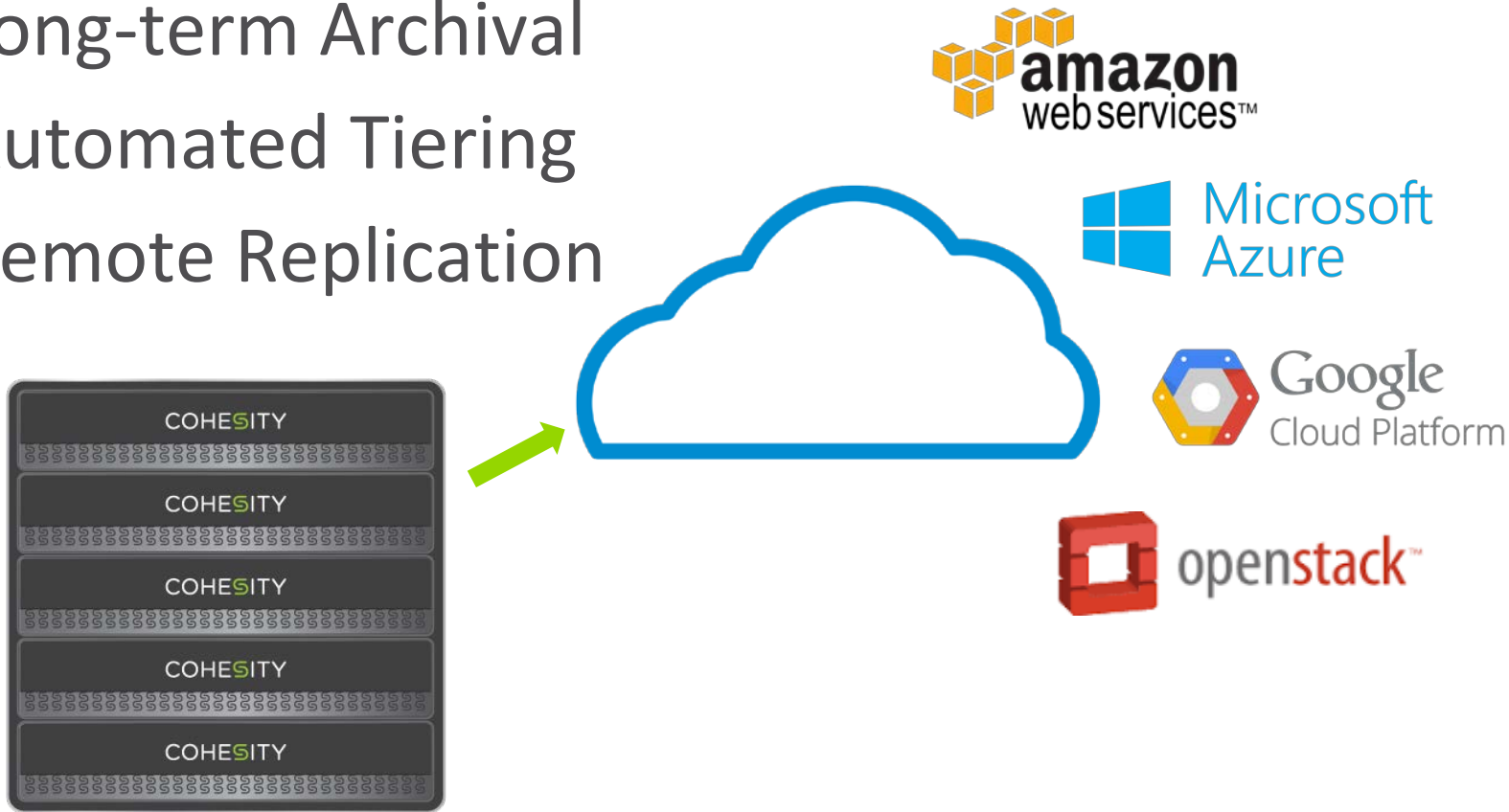


Cohesity | Nirvana!

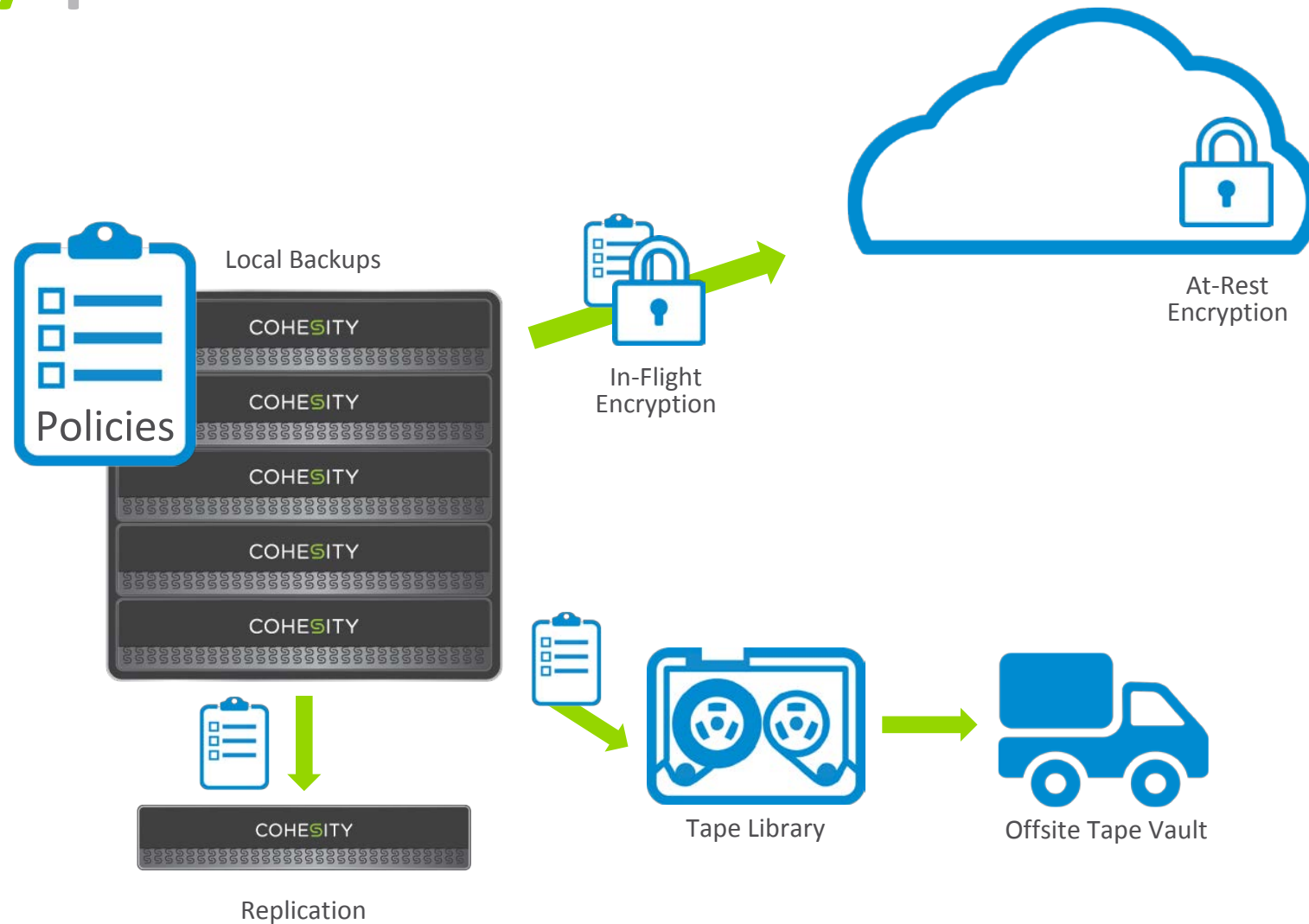


Cohesity | Rich Cloud Integration

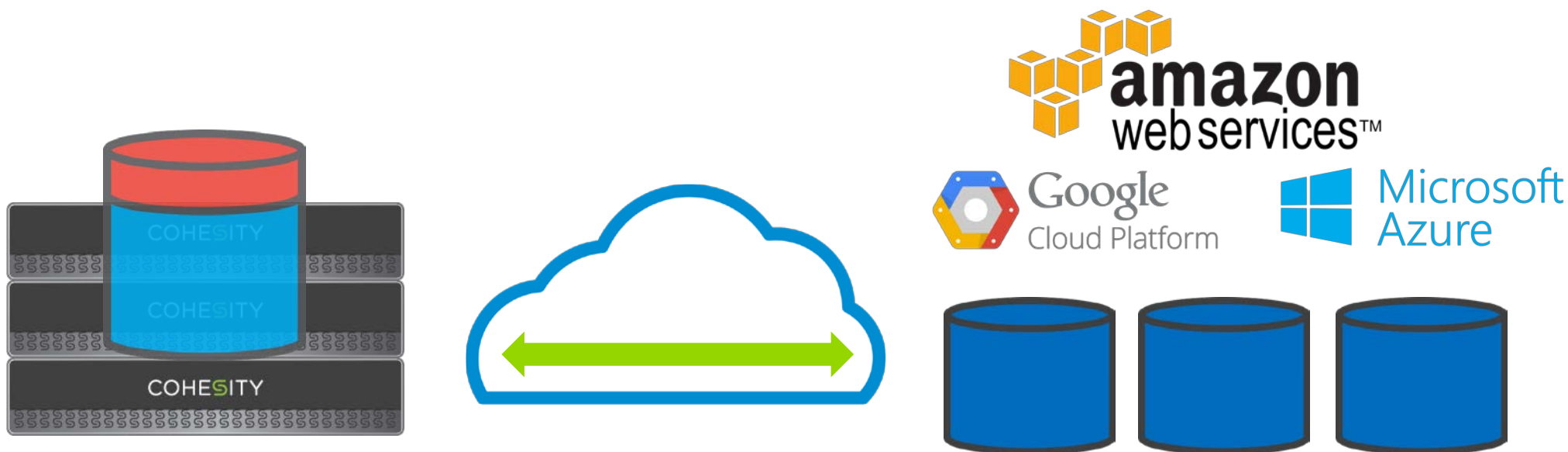
- ✓ Long-term Archival
- ✓ Automated Tiering
- ✓ Remote Replication



Cohesity | Archival

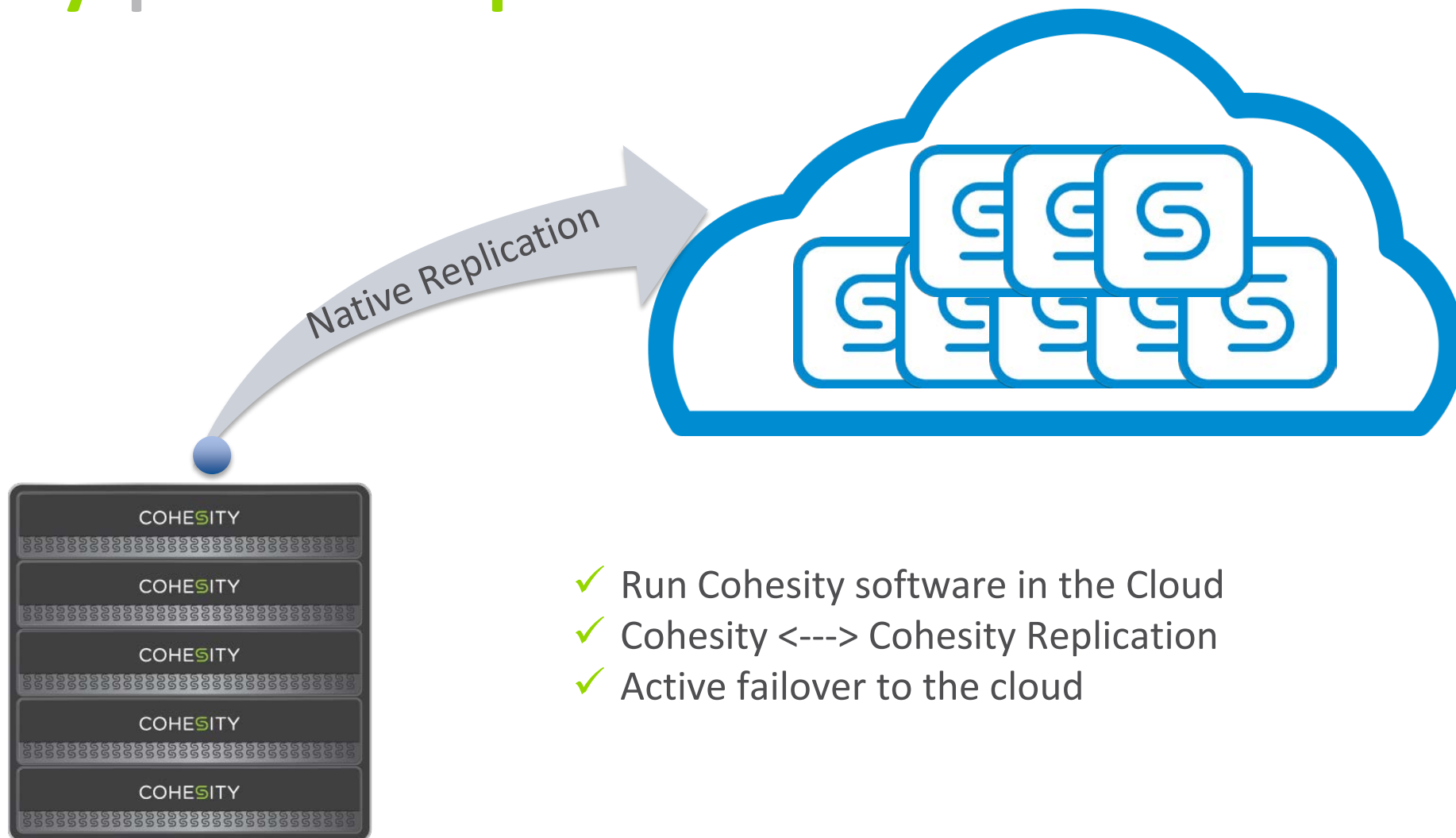


Cohesity | CloudTier™



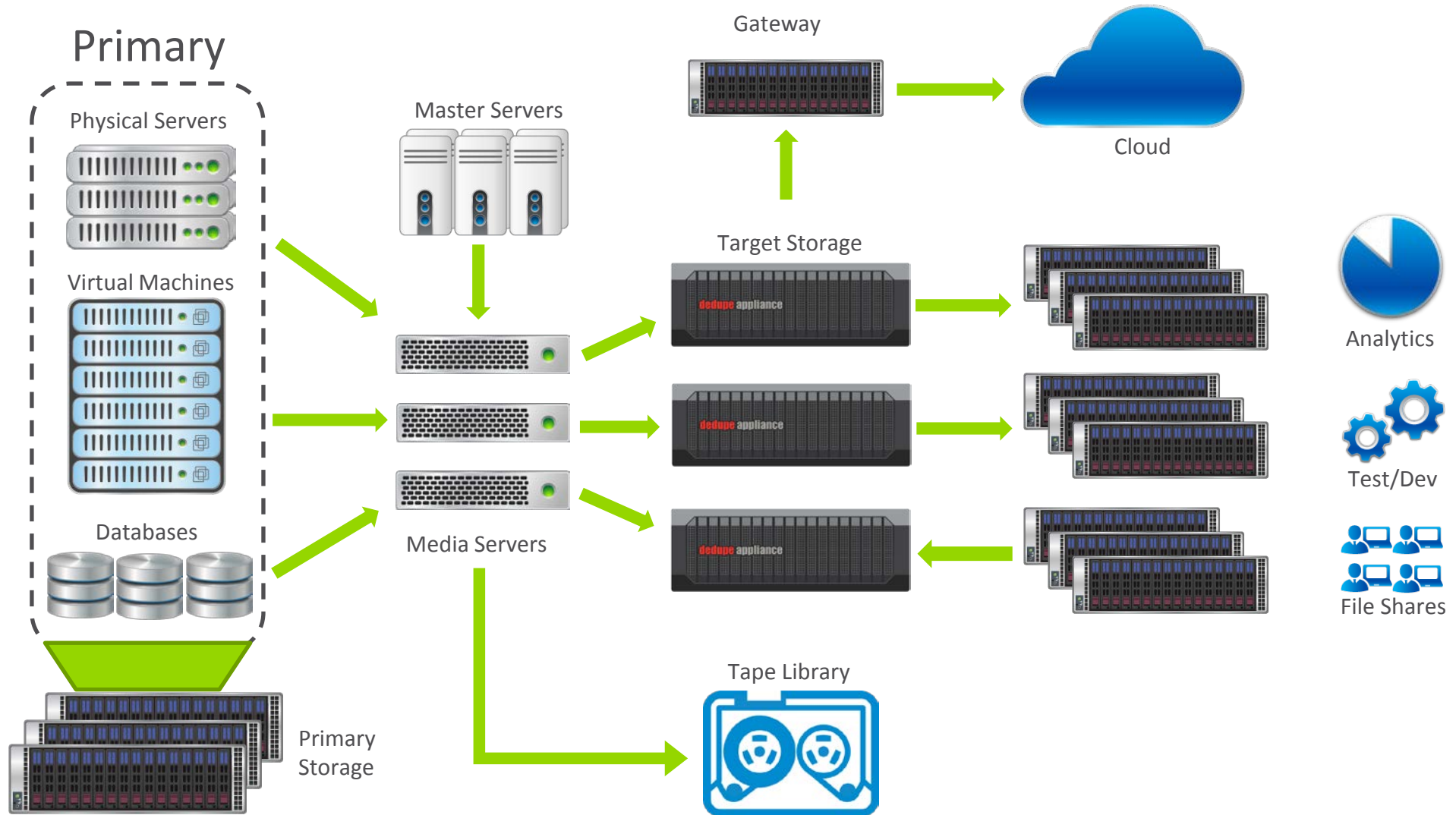
- ✓ Cold data moved to cloud
- ✓ Policy-driven thresholds
- ✓ Absorb capacity bursts

Cohesity | Cloud Replication

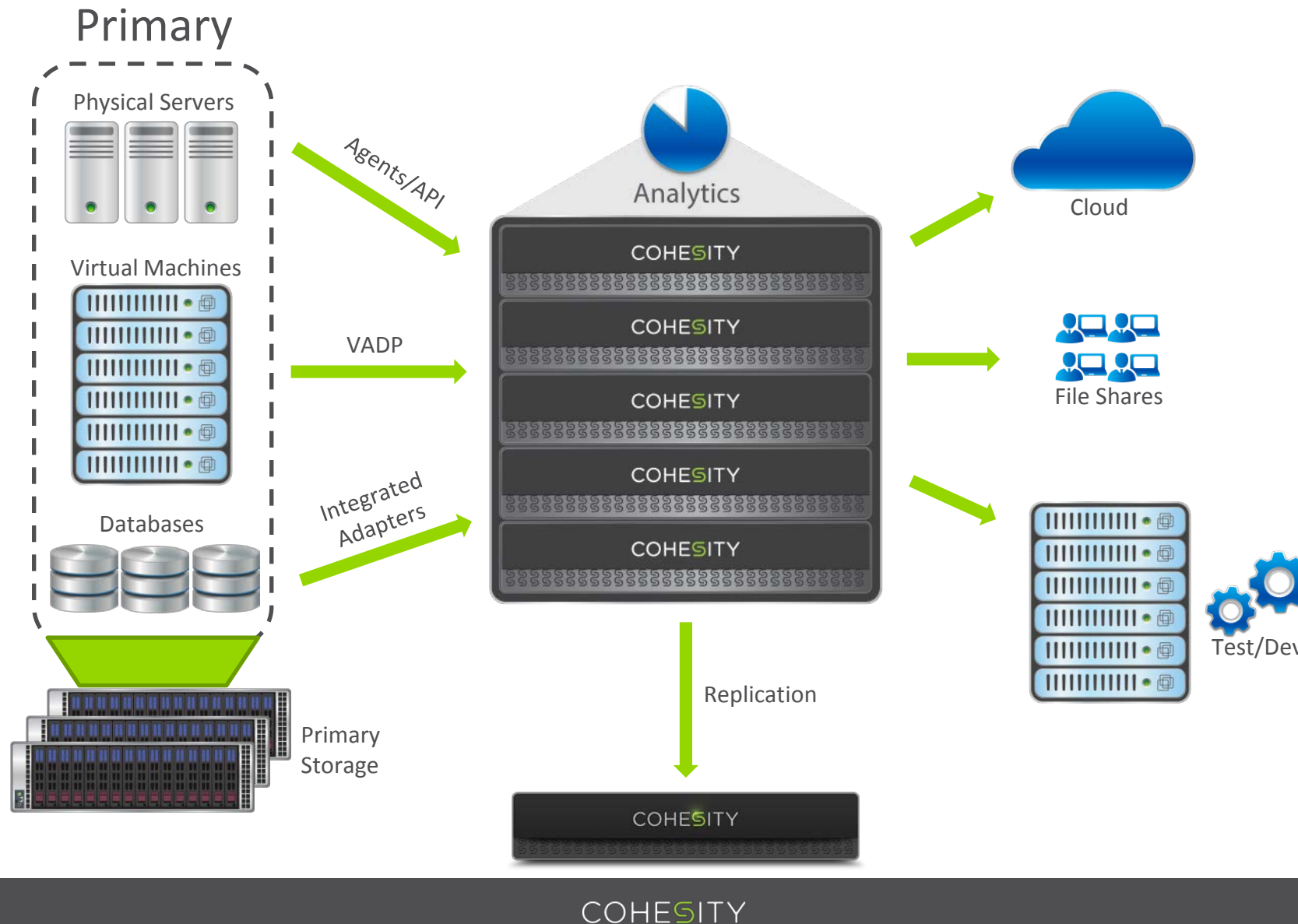


- ✓ Run Cohesity software in the Cloud
- ✓ Cohesity <---> Cohesity Replication
- ✓ Active failover to the cloud

Traditional Secondary Storage



Cohesity | Hyperconverged Secondary Storage





THANK YOU!