

# Actifio Sky DB

Actifio's Solution for Oracle, Oracle EBS with standalone, RAC, ASM, EXADATA configurations



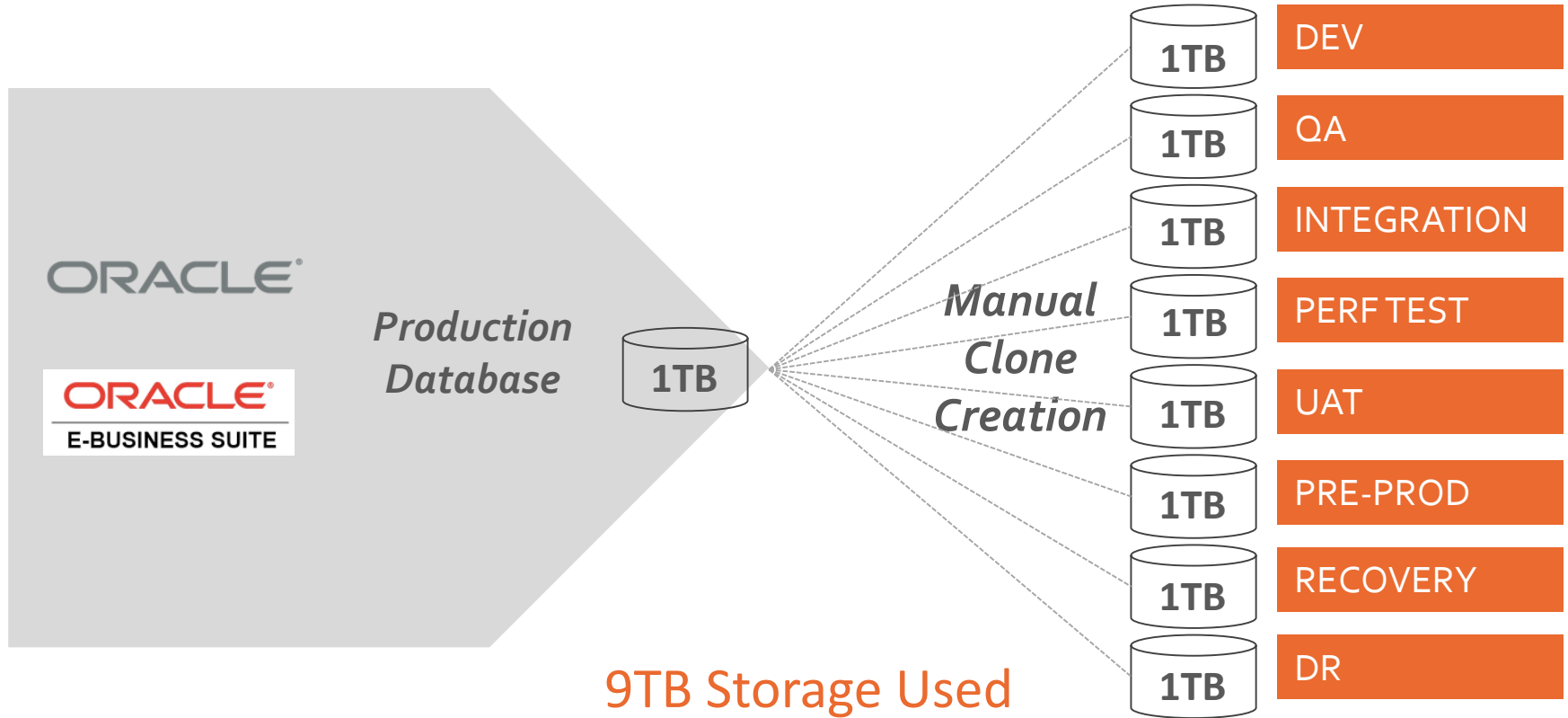
actifio

# The Big Database Problem



- **Database Cloning**
  - Time-consuming. No self service. Storage-intensive.
  - Can't release applications faster
- **Database Downtime**
  - Large RTO to recover from corruptions
  - Puts business at risk
- **Cloud Adoption**
  - No cloud agnostic solution for cloning & recovery
  - Delays cloud adoption

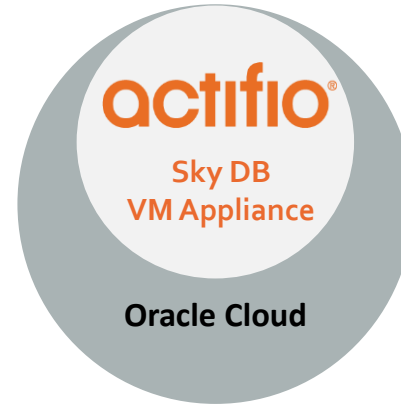
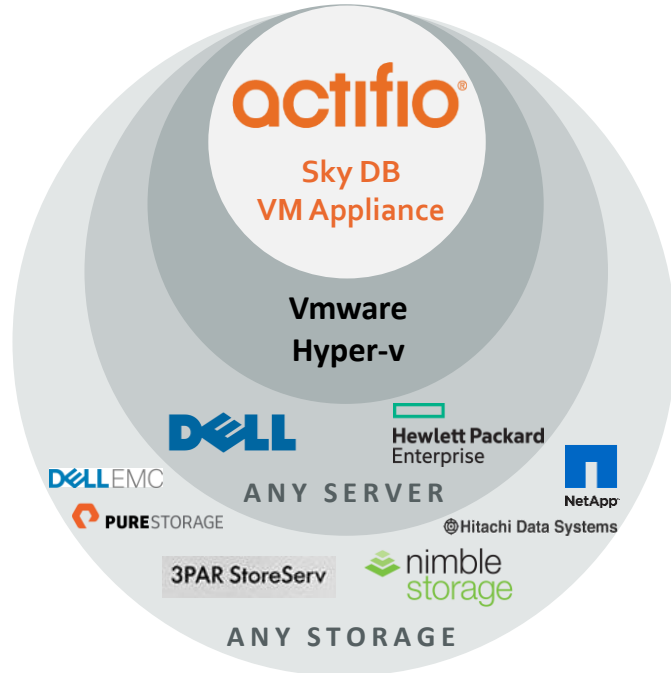
# The Current Situation



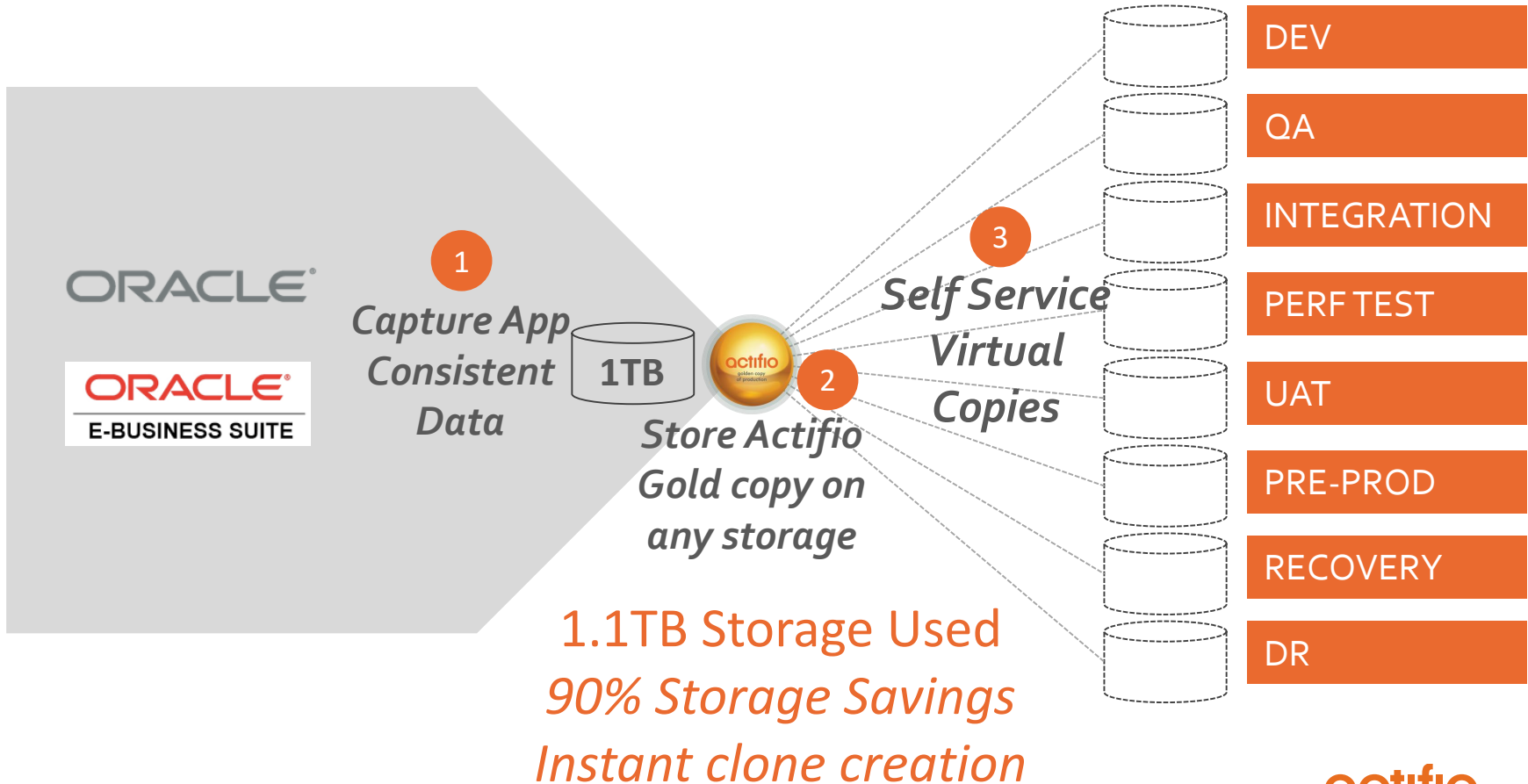
9TB Storage Used  
Multiple hours to create the clones

# Actifio Sky DB

*A scalable Database Cloning and Instant Recovery Solution  
with lowest TCO*



# Overview



# Delivers Efficiency & Automation

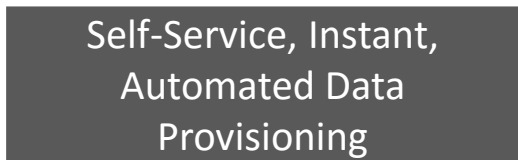
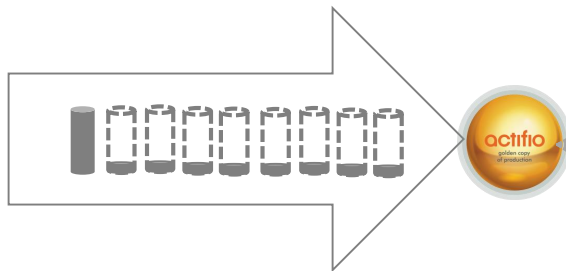
Deep Application  
Integration

Most Efficient Data  
Capture

Self-Service, Instant,  
Automated Data  
Provisioning

ORACLE®

ORACLE®  
E-BUSINESS SUITE

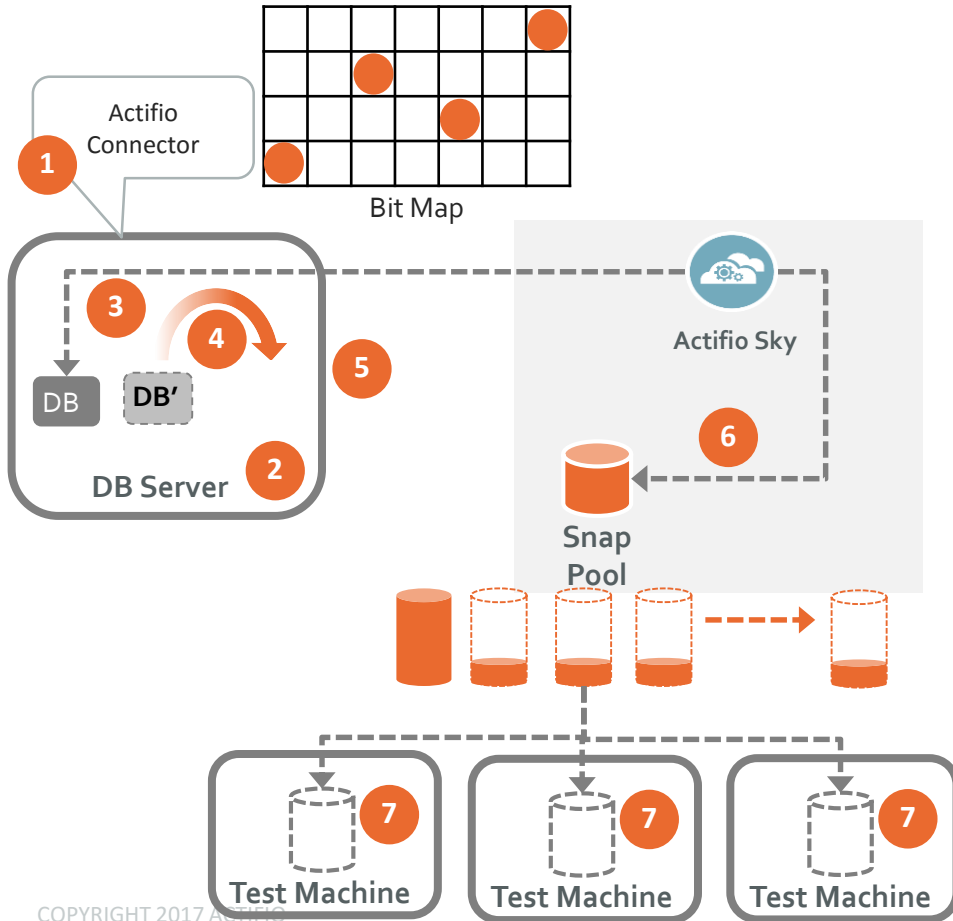


RMAN for Oracle,  
ASM Integration

Block level Incremental  
Forever, Transaction  
log capture

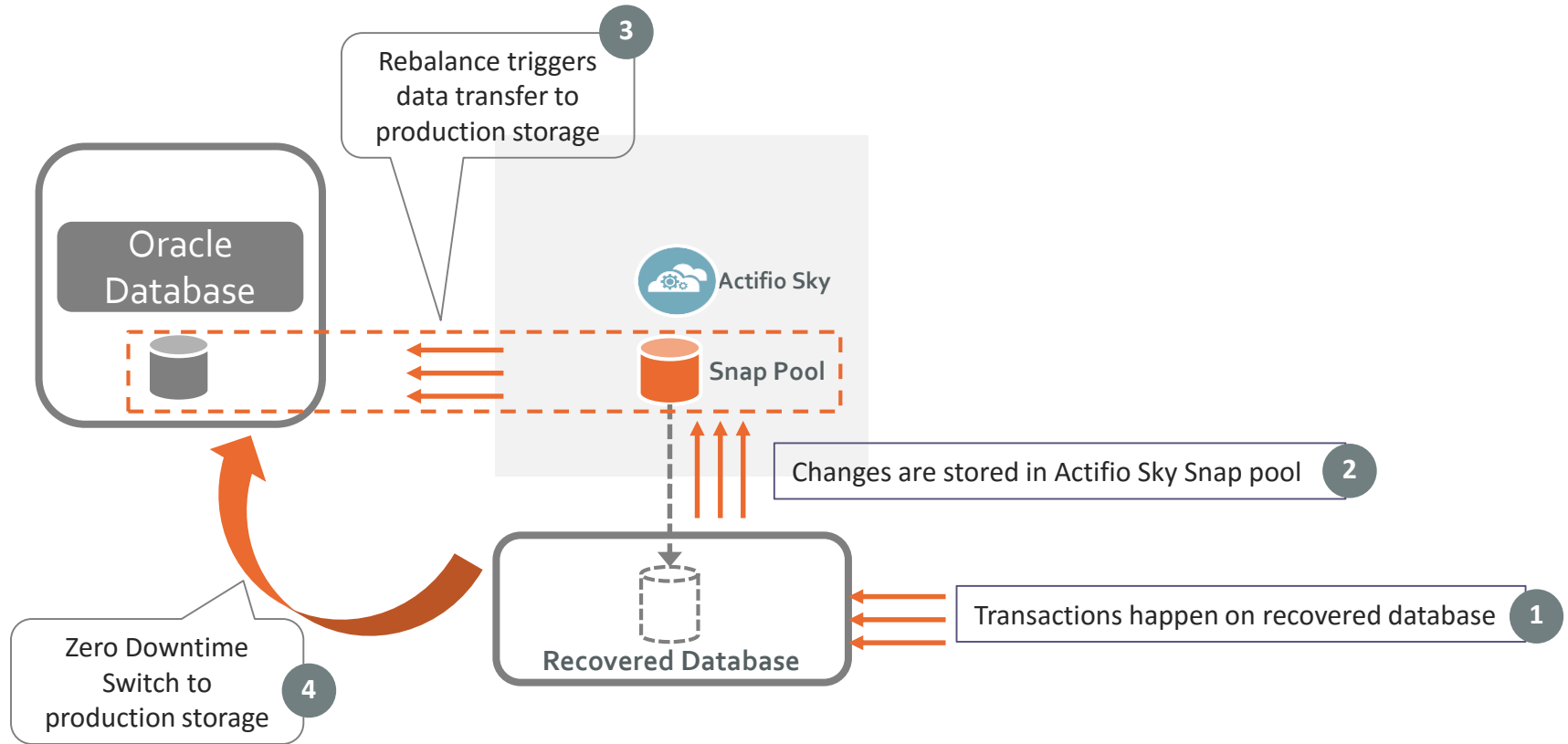
Point-in-time Refresh using  
Actifio UI or API integration  
with Chef, Puppet, Ansible

# How it works



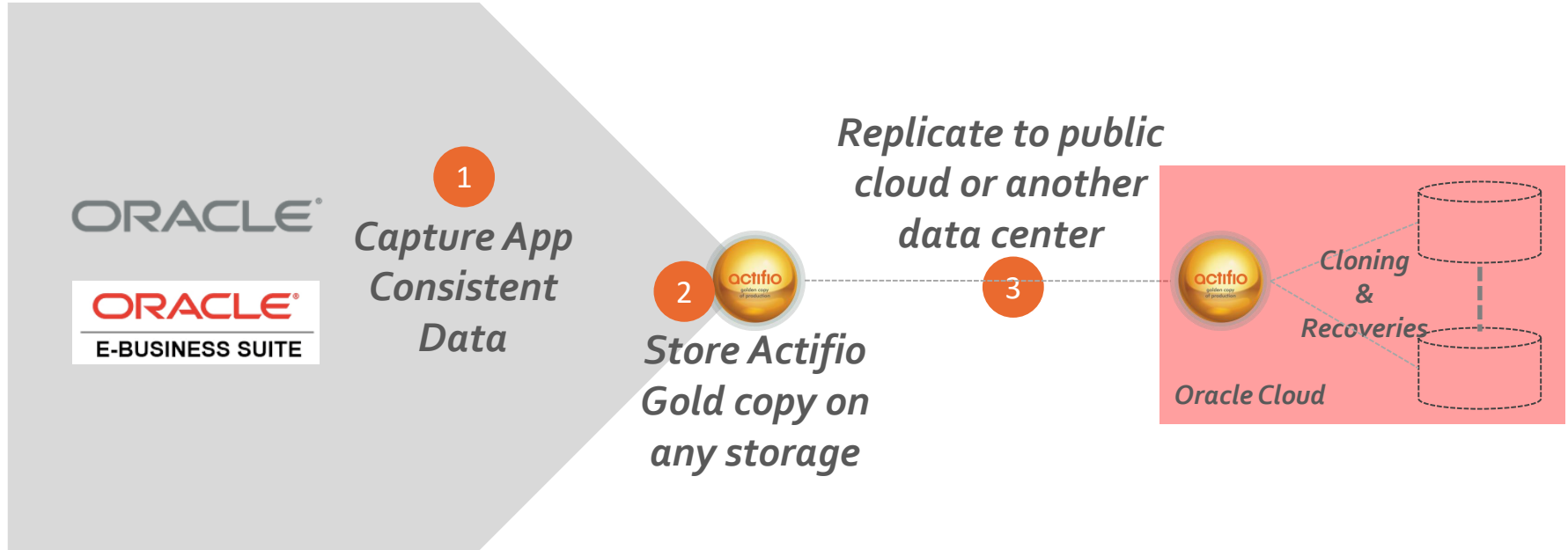
- 1 Actifio Connector is deployed in Oracle server
- 2 Mount staging disk on DB server
- 3 Invoke RMAN API to get changed blocks
- 4 Copy changed blocks
- 5 Un Mount staging disk on DB server
- 6 Actifio takes an internal snapshot. PIT Synthetic Full is ready
- 7 When a virtual copy needs to be provisioned, Actifio mounts re-writable staging disk on Test machine

# ASM Switch & Rebalance



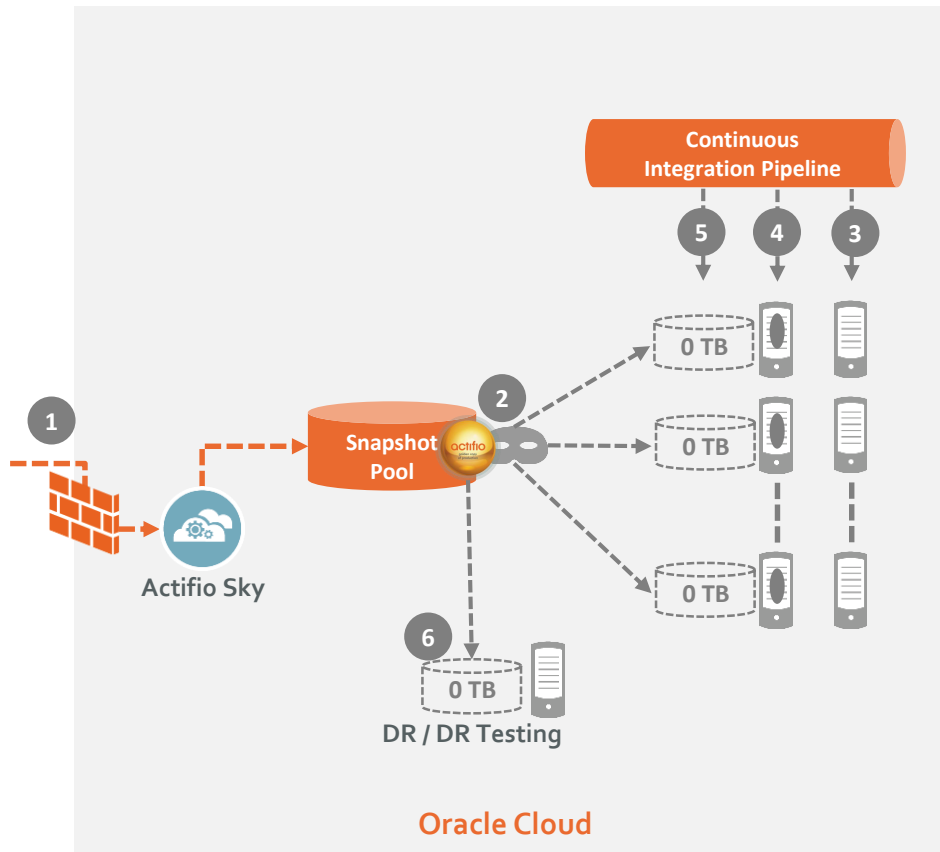


# Use On-Demand Cloud



# On-Demand Cloning and Recovery in Oracle Cloud

- 1 Based on SLAs, Actifio compresses changed blocks and replicates to Actifio Sky at remote site
- 2 Data can be masked, encrypted at rest
- 3 In CI environments, you can provision compute using your existing tools such as Ansible, Chef, Puppet etc
- 4 You can then deploy software builds using tools like Jenkins etc
- 5 You can then use the same DevOps tools to also provision virtual copies using Actifio APIs
- 6 You can also do on-demand Instant Recovery for DR or DR testing



# Actifio Sky DB Scalability



- ✓ Can manage up to 1 PB compressed stored data
- ✓ Up to 130,000 writes per second
- ✓ Up to 6 month point-in-time history
- ✓ File System, RAC, ASM, EXADATA, Oracle Cloud
- ✓ RHEL, SLES, OEL, AIX, Solaris, HP UX

# Feature Summary

Incremental Forever Backup

Rewind & Recover Instantly

Provision Multi-TB, Current Datasets  
Instantly without Sub-setting

Self-service, API-driven

Automated Data Masking,  
Role-Based Access Control

# Case Study: Global Financial Services

- Actifio is the exclusive data management platform for Global Data Cloud 2.0
- ORaaS (Oracle RAC-as-a-Service):
  - 6,000+ Oracle DBs now being managed by Actifio. Migrates an Oracle DB to ORaaS every 90 minutes
  - Next: SQLaaS, MongoDBaaS
- Implemented worldwide (USA, Mexico, APAC, & EMEA)

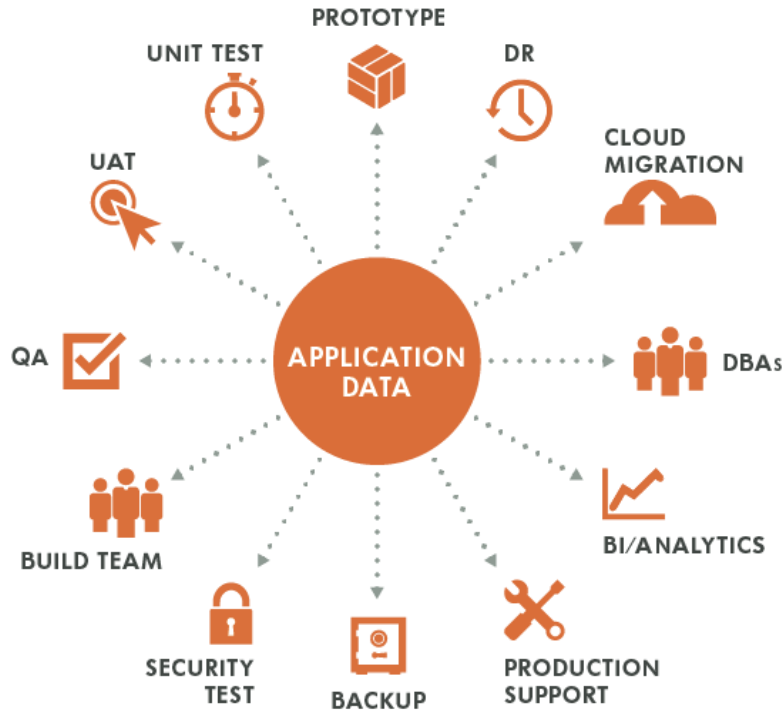
## CHALLENGES

- Unable to move to CI/CD due to large database instances
- Infrastructure cost over-runs to support functional test instances

## IMPACT

- Double release cycles per calendar year without increasing headcount
- 3-to-1 infrastructure consolidation ratio from AIX to Linux
- \$25M+ savings realized in Y1 through Data Cloud initiative

# Summary



**Actifio** helps enterprises with **database cloning** and **instant recovery** anywhere within and **across clouds**.

Thank you.