

# Zero Data Loss Recovery Appliance



50x



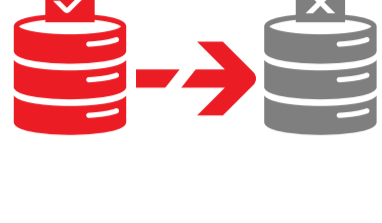
Most enterprises expect 50x data growth by 2020, resulting in sprawling data sets at high risk for data loss.

## TOP CHALLENGES

Companies already struggle in the following areas:

### Data Protection

- **5 out of 6** businesses experience failed recoveries and potential data loss



### Efficiency

- **Backup performance** is the top challenge for database backup and recovery



### Scalability

- Companies generate at least **3x more data** than current standalone backup appliances can handle



### Manageability

- **2 out of 3** organizations need multiple tools to back up a single database



Oracle can help. Eliminate business data loss and slash overhead with Oracle's Zero Data Loss Recovery Appliance.

## DATA PROTECTION



**Zero Data Loss:** Real-time redo transport eliminates data loss.

### Current Backup Appliances

### Oracle's Recovery Appliance

#### Data loss exposure

Hours to days



Zero to subsecond



#### Data integrity

No database validation



Continuous database-aware validation



#### Database recovery

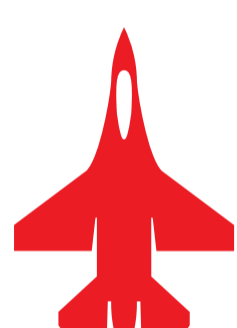
1 in 4 failed recoveries are due to data corruption



End-to-end corruption detection



## EFFICIENCY



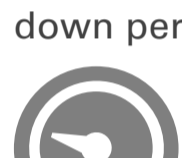
**Minimal Impact Backups:** Production only sends changes. All backup and tape processing offloaded.

### Current Backup Appliances

### Oracle's Recovery Appliance

#### Performance impact

Wasted CPU cycles slow down performance



Near-zero performance impact for disk or tape backup



#### Backup window

6 to 8 hours per day



Eliminated

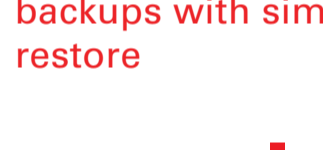


#### Process efficiency

Time-consuming full backups and complex restore



Lightweight virtual full backups with simple, anytime restore



## SCALABILITY



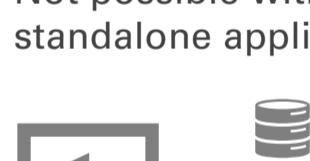
**Database Protection as a Service:** Easily protect all databases using a scalable centralized service.

### Current Backup Appliances

### Oracle's Recovery Appliance

#### Cloud-scale protection

Not possible with one standalone appliance



One system scales and protects thousands of databases



#### Ease of scale-out

Forklift upgrades needed



Non-disruptive storage, compute, and bandwidth scale-out



#### Storage capacity

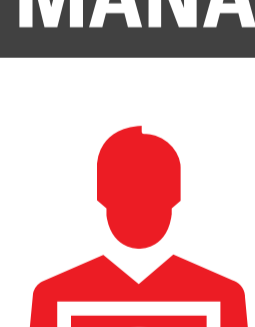
Limited storage expansion



Expands to many petabytes as a single system



## MANAGEABILITY



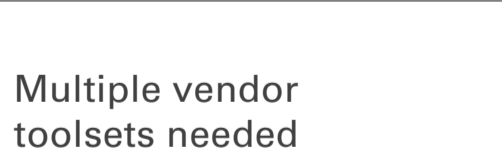
**Database-Centric Management:** End-to-end control—from data creation to tape archival.

### Current Backup Appliances

### Oracle's Recovery Appliance

#### Ease of management

Multiple vendor toolsets needed

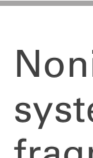


One unified management interface

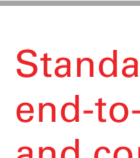


#### Management scope

Nonintegrated systems with fragmented visibility



Standardized end-to-end visibility and control



#### Automation

Manual operations across disparate silos



Fully automated integrated data protection



## ORACLE REINVENTS DATABASE PROTECTION WITH THE ZERO DATA LOSS RECOVERY APPLIANCE

Oracle's Zero Data Loss Recovery Appliance is a ground-breaking data protection solution that's completely integrated with Oracle Database, eliminating data-loss exposure for all databases without impacting production environments.

Learn More About Oracle's Zero Data Loss Recovery Appliance

[oracle.com/recoveryappliance](http://oracle.com/recoveryappliance)