

METRO|NOM

ZDLRA @ METRONOM

10.24.2018

Agenda

- 1** **Introduction**
- 2** **Mission**
- 3** **Best Practices**
- 4** **Target**
- 5** **Summary**

Introduction

Introduction



150.000 Employees
€37 Billion
25 Countries

THE BIGGEST SOFTWARE COMPANY YOU NEVER HEARD ABOUT

METRONOM – SETTING THE PACE IN FOOD AND TECHNOLOGY



2000 Employees
IT-Services
IT-Solutions

Introduction

Team of 13 DBAs

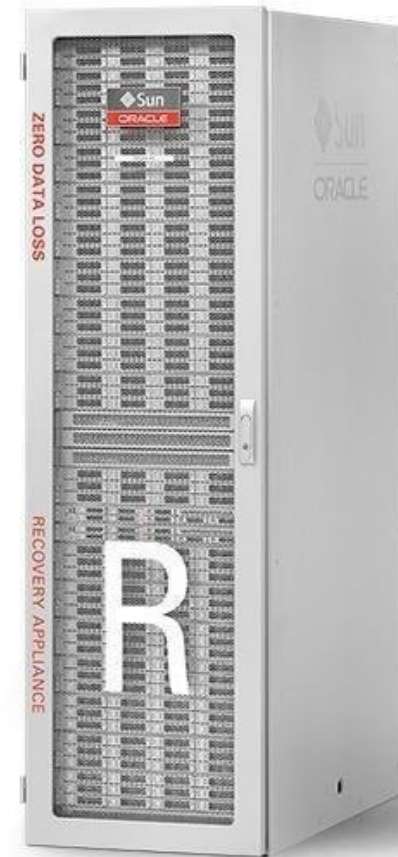
- ~ 2100 Oracle databases
- AIX, Linux, Windows - Servers
- Database features including:
 - RAC
 - Data Guard
 - GoldenGate for Minimal Downtime Maintenance (MDM)



Mission

Mission

- **Started POC in 2016**
- **Replication between two DCs**
- **Easy Migration**
- **Go Live April 2017**
- **Backup of more than 350 productive databases by end of 2017**
- **Zero Downtime**

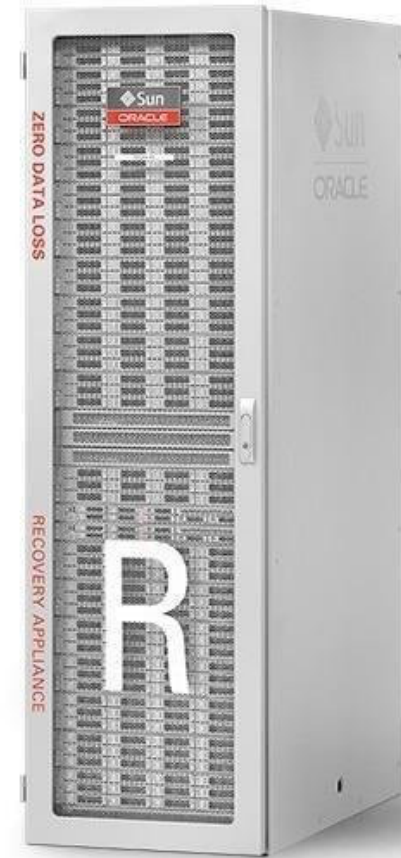


Best Practices

Best Practices

Easy migration

```
addzdra.sh -d testdb -p gold
```



Best Practices

MAX_RETENTION_WINDOW

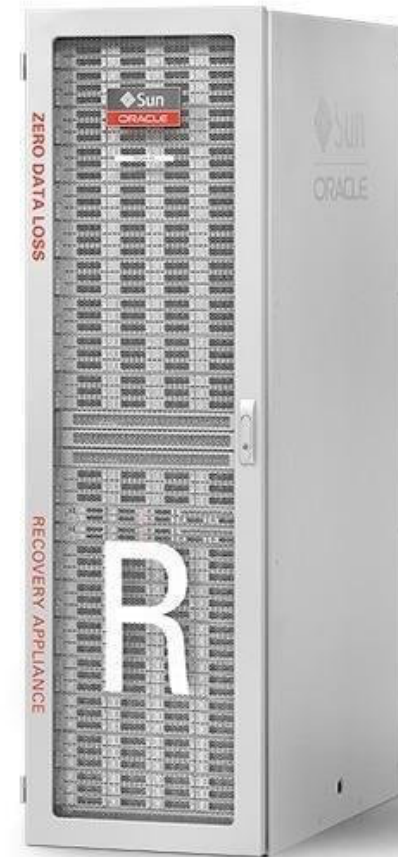
- Set it, but not too aggressive

Don't Submit multiple requests to Delete Databases

- A delete can take a lot of time
- If database delete does not progress for some time, contact Support

Don't Neglect the RA

- Monitor and adjust the System
- System Activity Report
 - Clarify Findings with Support



Target

Target

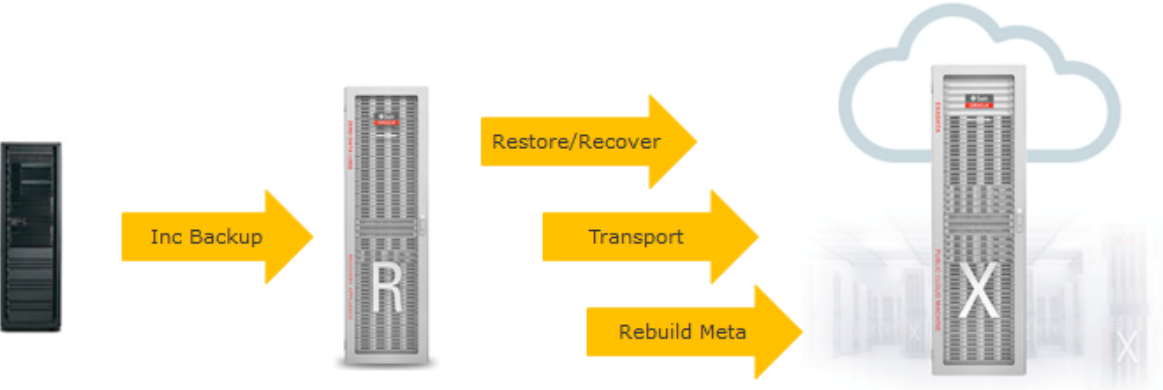
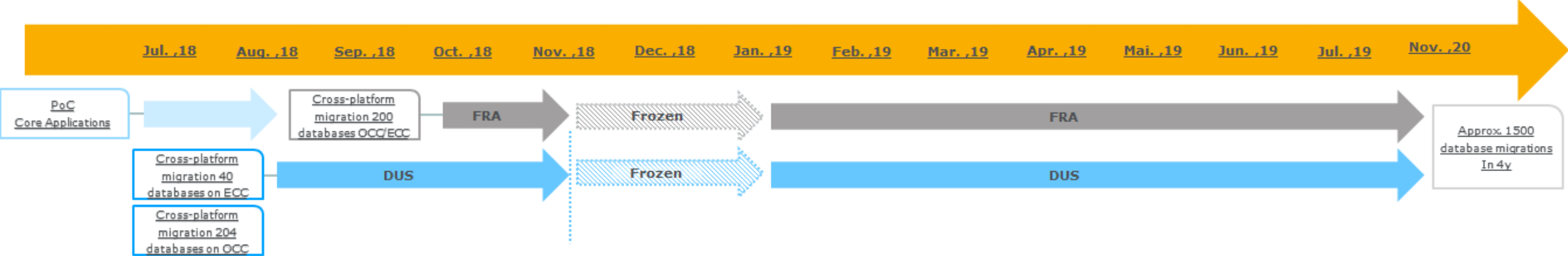
- **Use ZDLRA to Backup ~900 databases within the next 12 months**
- **Add more storage to ZDLRA for growth and replication needs**
- **Implement Minimal Downtime Maintenance patching solution via new RA High Availability for Backup & Recovery procedure (aka Auto-Failover to Replica RA)**
- **Outsource Backups to Oracle Cloud**

RA-based Migration of IBM AIX to ExaCC/OCC

ATTEND OUR MIGRATION SESSION [TRN4033] TOMORROW, 9 AM, MOSCONE WEST 3004

2018

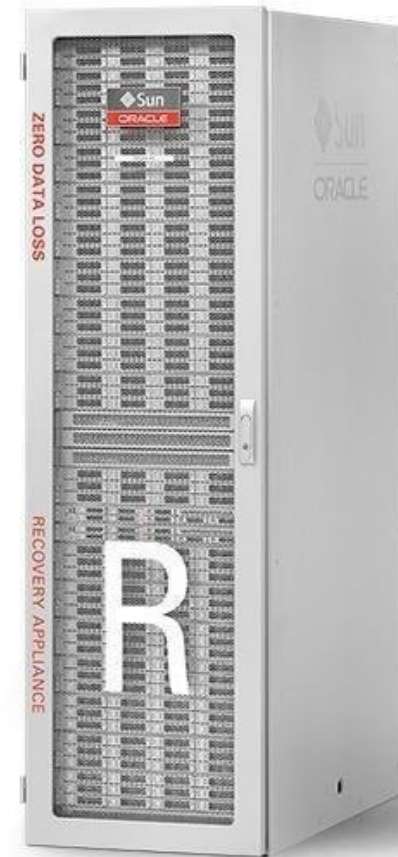
2022



Summary

Summary

- **Less time for Backups**
- **Fast restore and recovery**
- **Easy Migration due to automated processes**
- **Scalable for data growth**



**Thank you for
your attention!**



Stefan Reiners