

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

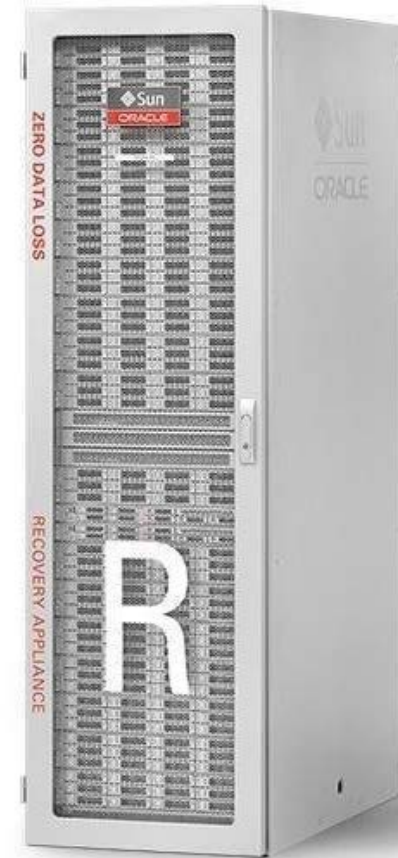
- ~ 2100 Oracle databases
- AIX, Linux, Windows - Servers
- Database features including:
 - RAC
 - Data Guard
 - GoldenGate for Minimal Downtime Maintenance (MDM)



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

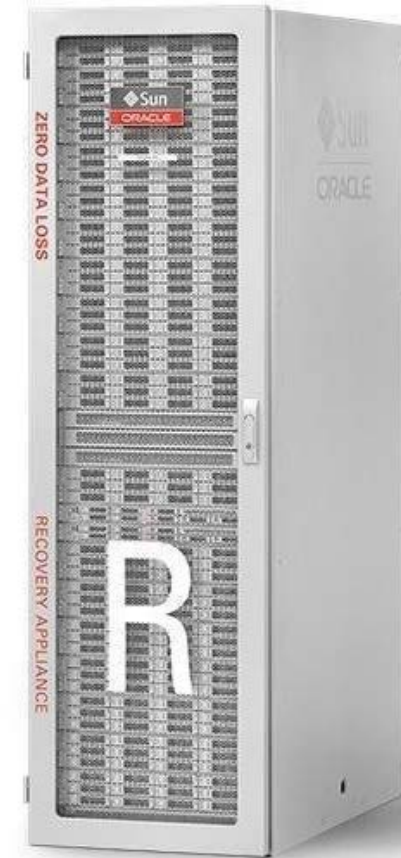


Best Practices

Best Practices

Easy migration

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



Best Practices

MAX_RETENTION_WINDOW

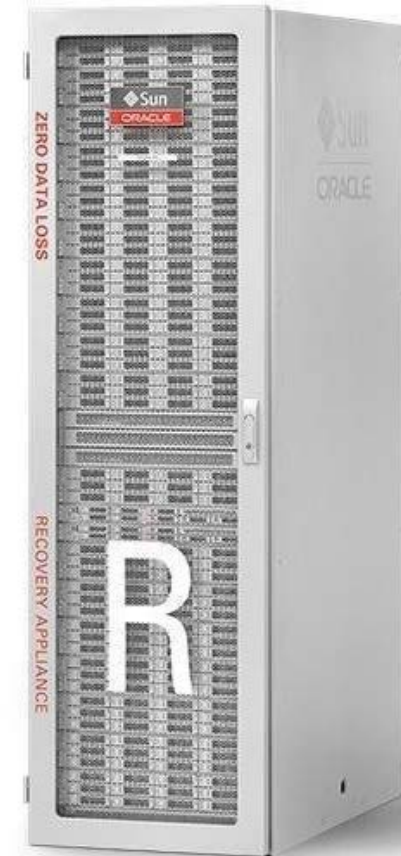
- Set it, but not too aggressive

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

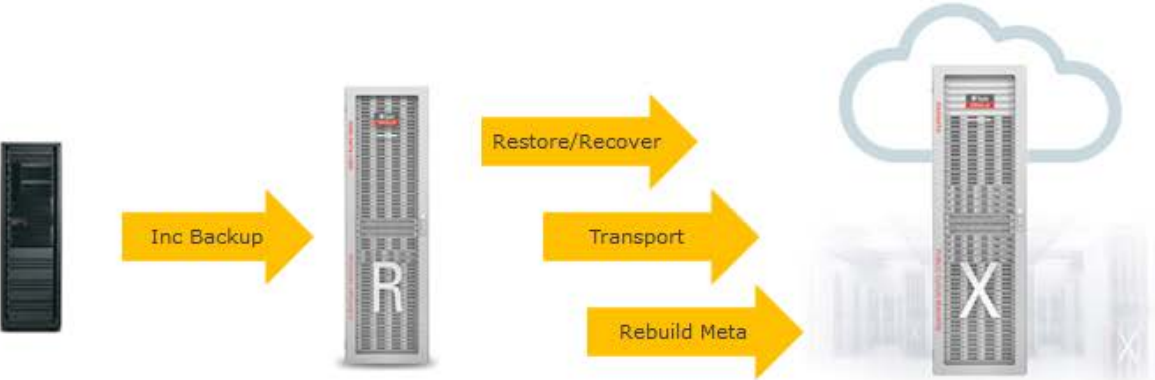
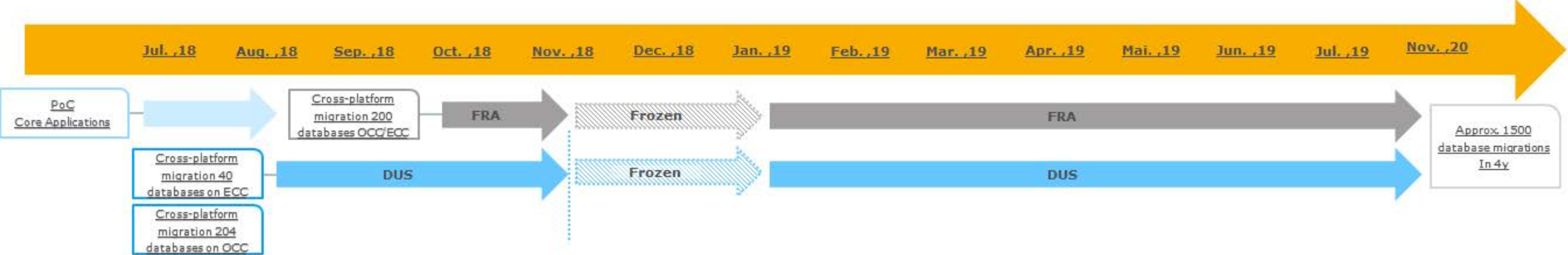
- Use ZDLRA to Backup ~900 databases within the next 12 months
- Add more storage to ZDLRA for growth and replication needs
- Implement Minimal Downtime Maintenance patching solution via new RA High Availability for Backup & Recovery procedure (aka Auto-Failover to Replica RA)
- Outsource Backups to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

RA-based Migration of IBM AIX to ExaCC/OCC

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

2018

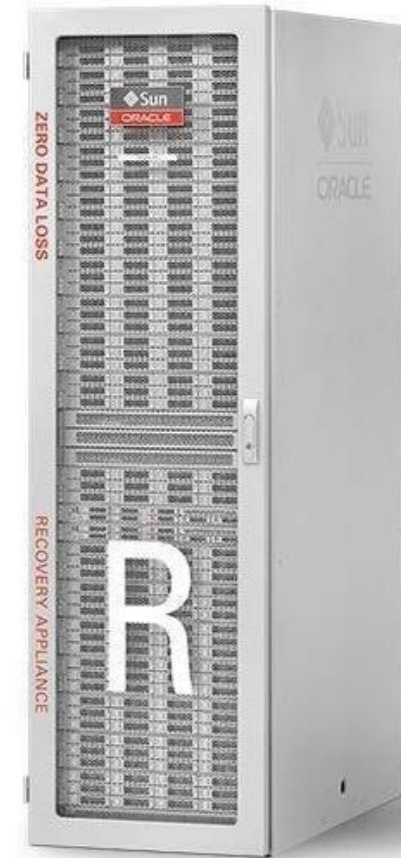
2022



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