

Make IT

2024

Oracle Standard Edition

Delavnica optimizacije zmogljivosti

Speakers:

Urh Srečnik <urh.srecnik@abakus.si>
Boris Oblak <boris.oblak@abakus.si>

ORACLE®

Certified Professional

Oracle Database 12c
Administrator

ORACLE®

Certified Professional

Java SE 8 Programmer



APPM

Performance monitor and workload
sample collector for Oracle Database

<https://appm.abakus.si>

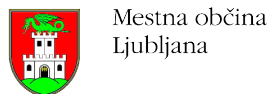
built and maintained by

Abakus

Abakus Plus d.o.o.

- Infrastructure Team
 - Services
 - OS & NET admin
 - DBA, Programming
 - Applications
 - Deja Vu
 - APPM
 - Arbiter
- Development Team
 - Enterprise Applications
 - Document Management
 - Newspaper Distribution
 - Flight Information System

References



Demo Environment (network)

- **Linux**

```
ip route add 192.168.113.0/24  
via 192.168.0.150
```

- **Windows**

```
route add 192.168.113.0  
mask 255.255.255.0  
192.168.0.150
```

- **Mac**

```
route -n add -net 192.168.113.0/24  
192.168.0.150
```

Demo Environment (19.23 SE)

- **makeit-db.abakus.si [192.168.113.204]**
 - Database: `makeit-db.abakus.si:1521/demo`
 - Password: `makeit2024`
- **makeit-appm.abakus.si [192.168.113.202]**
 - <https://makeit-appm.abakus.si/appm/>

Multitenant Architecture

Non-CDB Instance



MYDB

Multitenant Instance

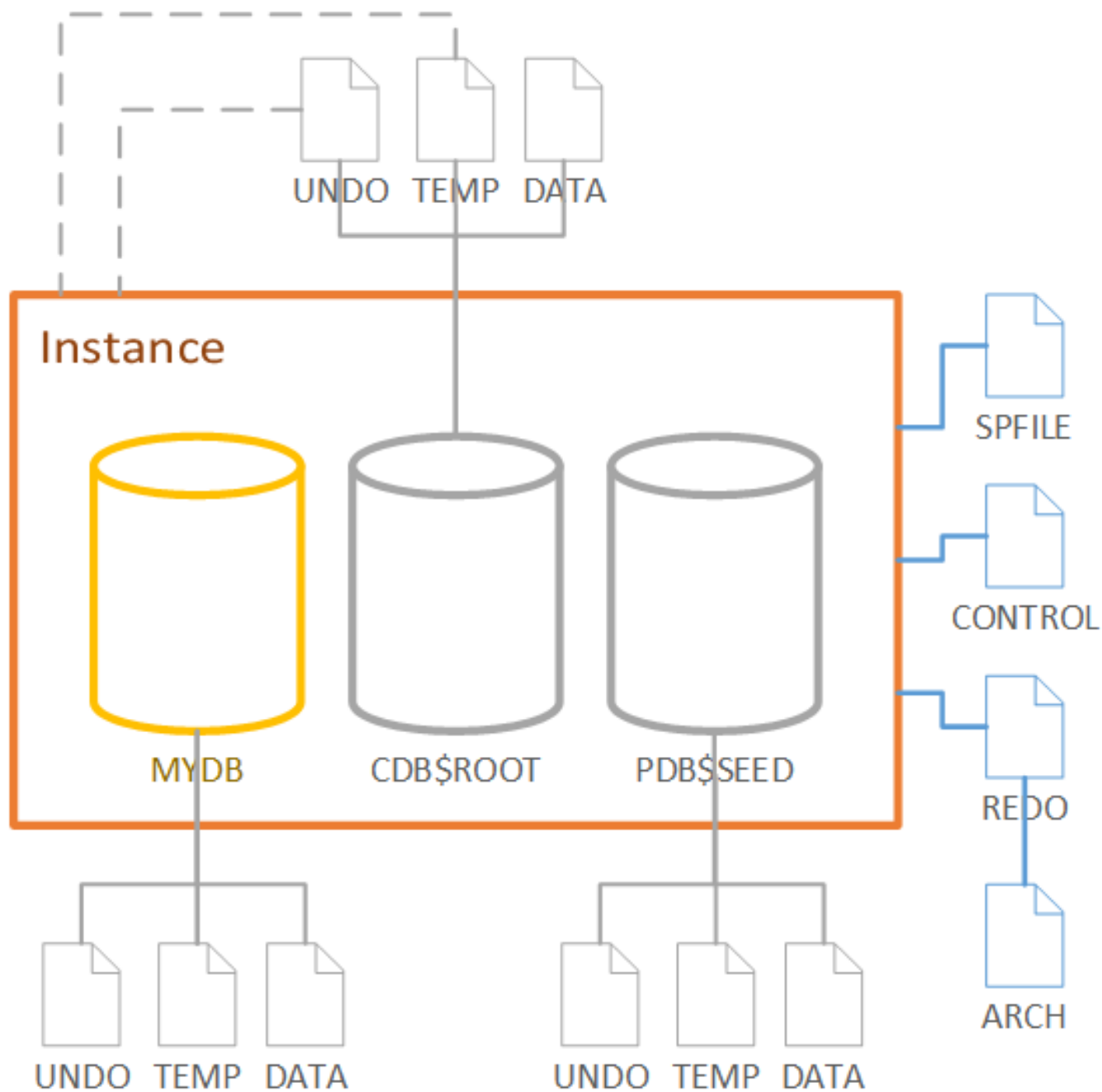


MYDB

CDB\$ROOT

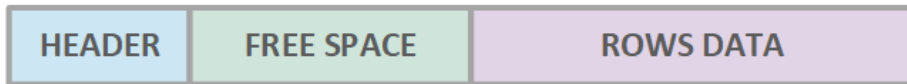
PDB\$SEED

Physical Storage

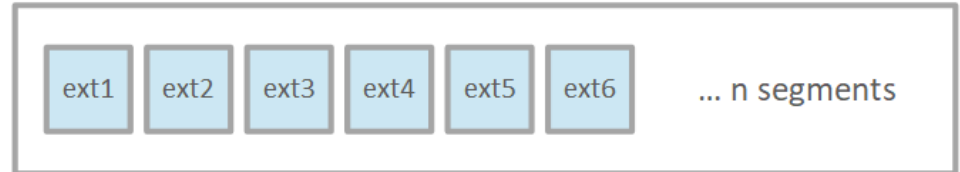


Logical Storage

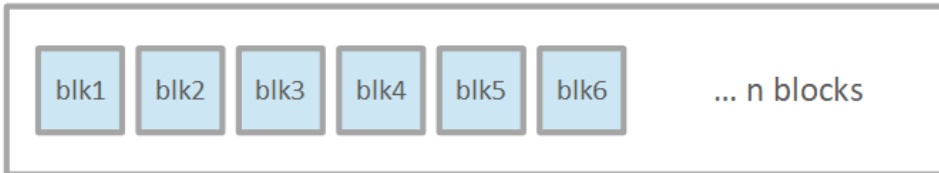
Block



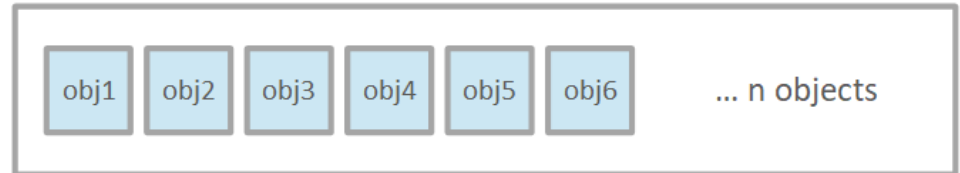
Object (dba_objects)



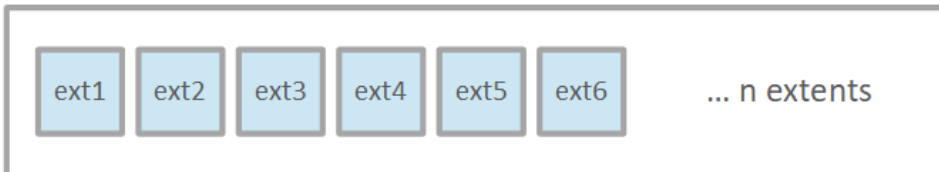
Extent (dba_extents)



Datafile (dba_data_files)



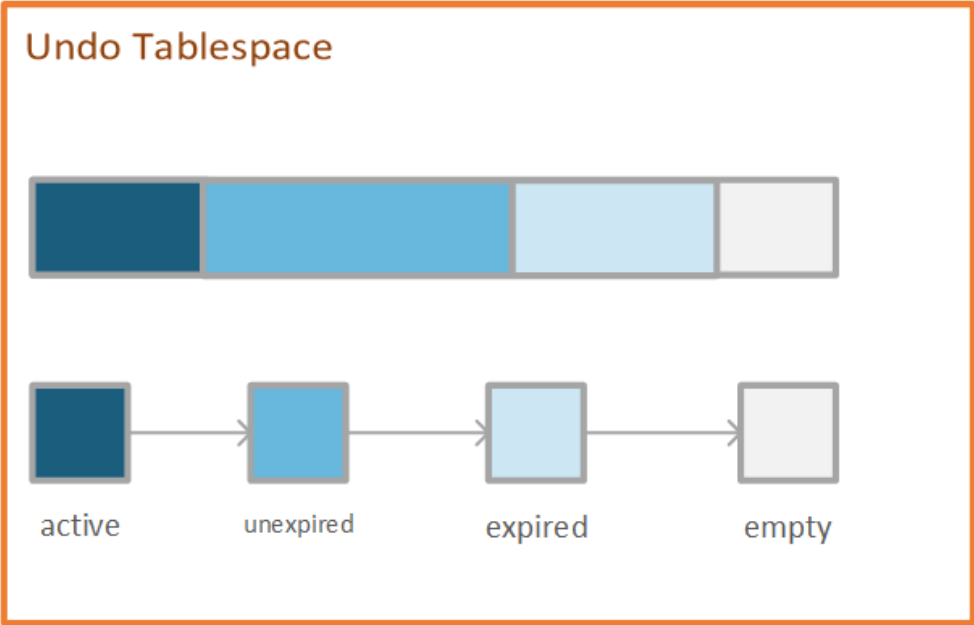
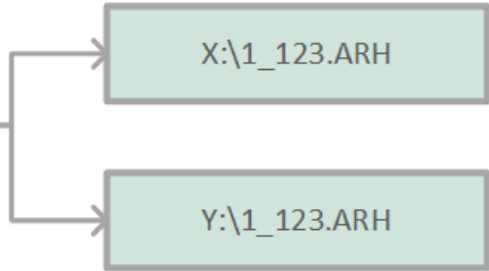
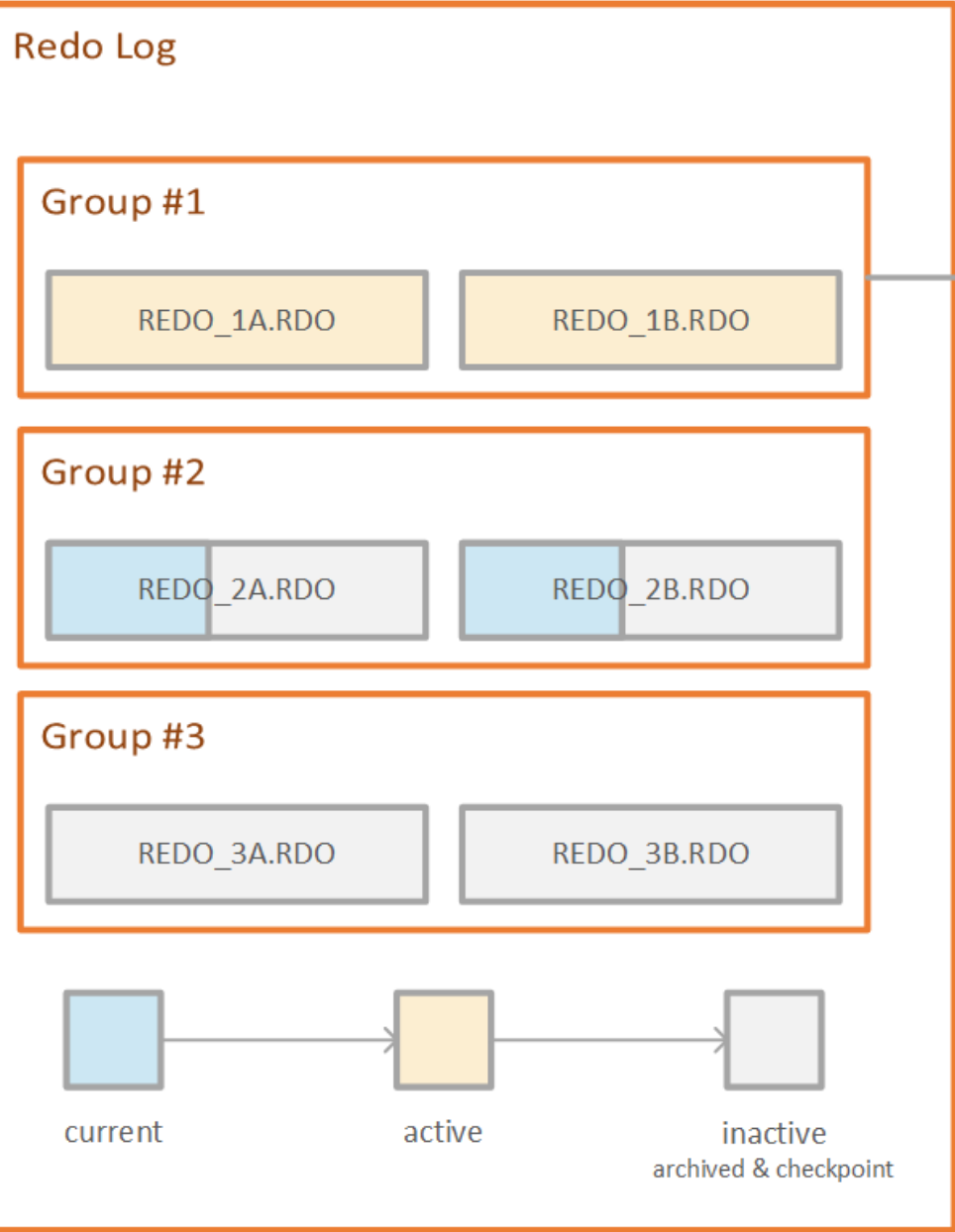
Segment (dba_segments)



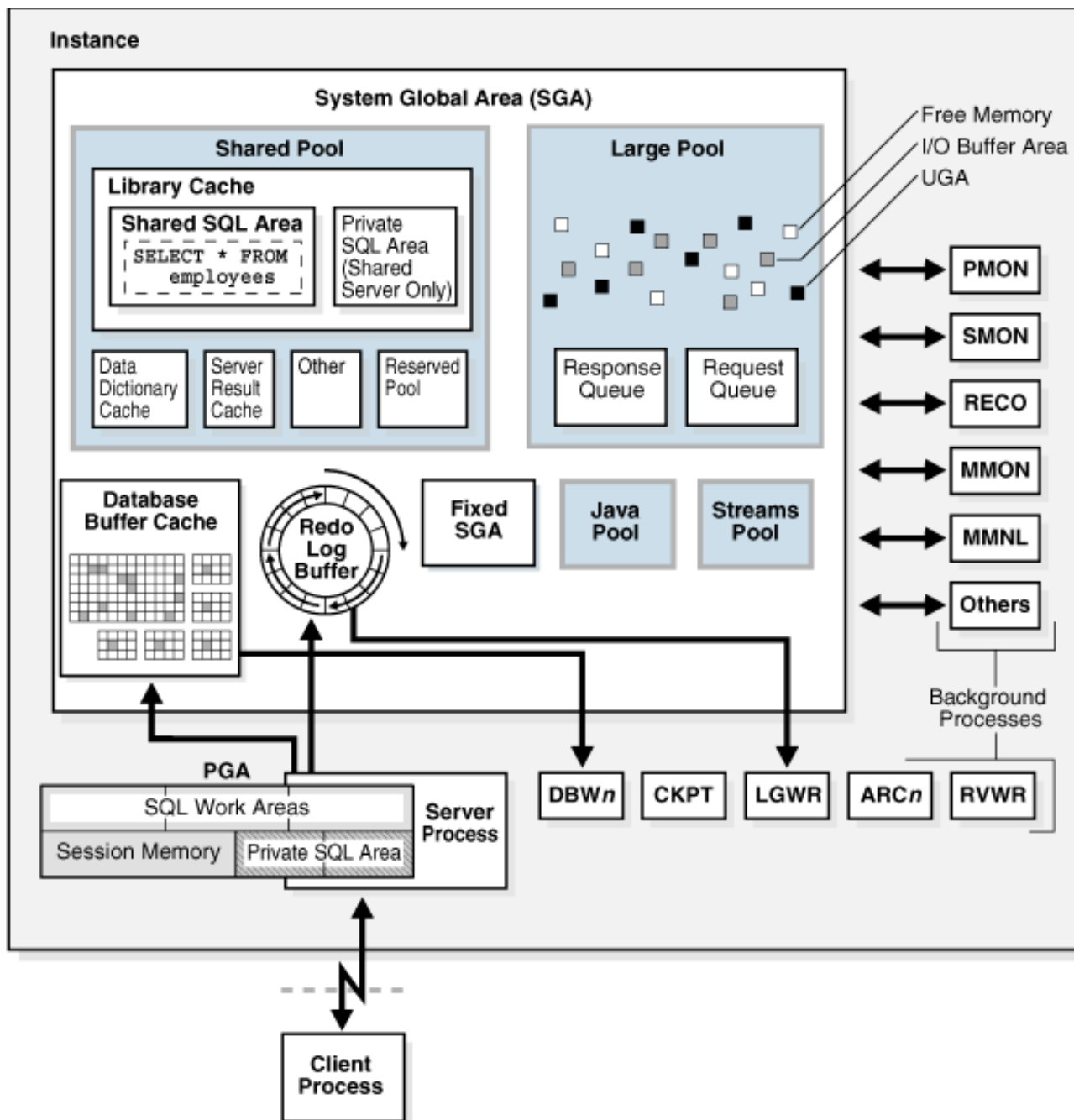
Tablespace (dba_tablespaces)



Redo & Undo



Memory Architecture & Processes



Basic Performance Views

