

Make IT

2024

Oracle Standard Edition Delavnica optimizacije zmogljivosti

Speakers:

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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



Mestna občina
Ljubljana

Aerodrom Ljubljana
Letališče Jožeta Pučnika Ljubljana



MILENIJUM
OSIGURANJE

BANKA
SLOVENIJE



MESTNA OBČINA KOPER
COMUNE CITTA DI CAPODISTRIA



MERKUR

LASERLINE



ZAVOD ZA
ŠPORT RS
PLANICA

RAM 2

ISKRA

PERLES
CHALLENGE OF PROFESSIONALS

Iskra®

Gorenjska Banka

datalab
Spremenite podatke v dobiček!



SODO
SISTEMSKI OPERATOR
DISTRIBUCIJSKEGA OMREŽJA Z
ELEKTRIČNO ENERGIJO

BERNARDIN GROUP
RESORTS & HOTELS

HOTELA

HRANILNICA LON
Bančništvo na ljubezniv Oseben Način

GENERALI
Zavarovalnica

futura plus

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www.eles.si

DELO PRODAJA

SKB
SOCIETE GENERALE GROUP

GOODYEAR DUNLOP
SAVA TIRES

AS
Abakus
As na disku.

sava
TRADE

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**

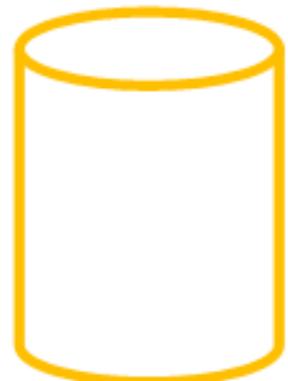
```
route -n add -net 192.168.113.0/24  
192.168.0.150
```

Demo Environment (19.23 SE)

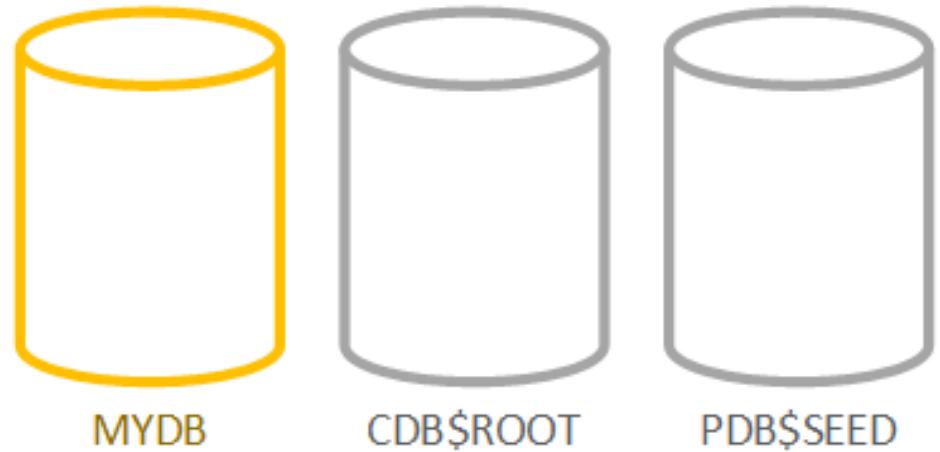
- **makeit-db.abakus.si** [192.168.113.204]
 - Database: makeit-db.abakus.si:1521/demo
 - Password: **makeit2024**
- **makeit-appm.abakus.si** [192.168.113.202]
 - <https://makeit-appm.abakus.si/appm/>

Multitenant Architecture

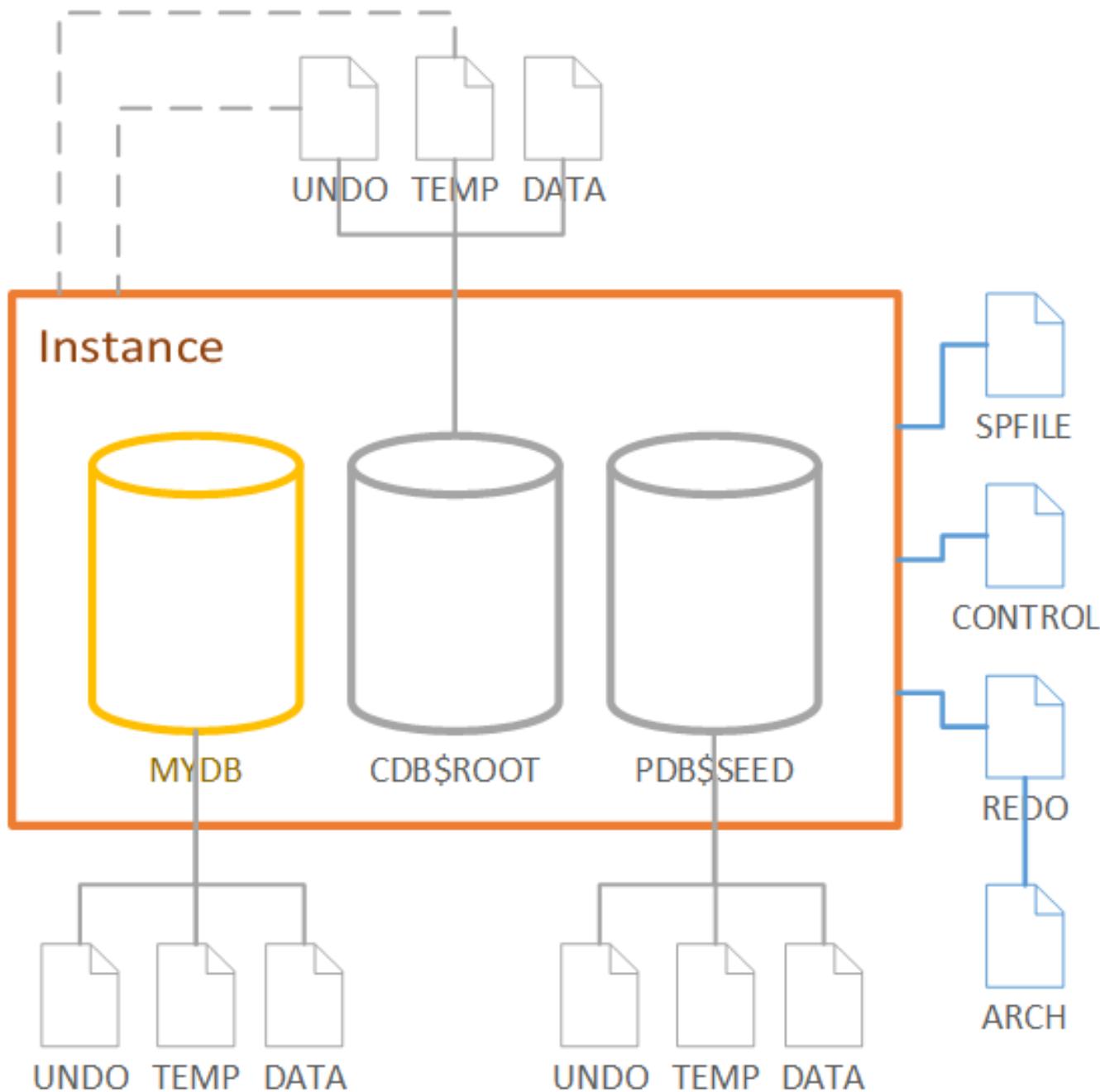
Non-CDB Instance



Multitenant Instance

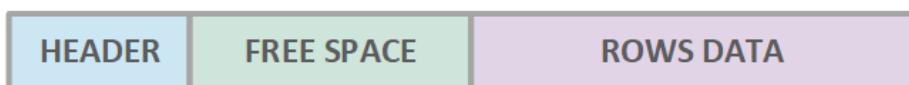


Physical Storage



Logical Storage

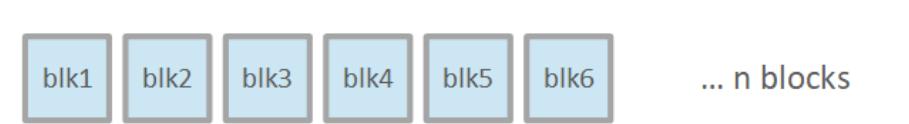
Block



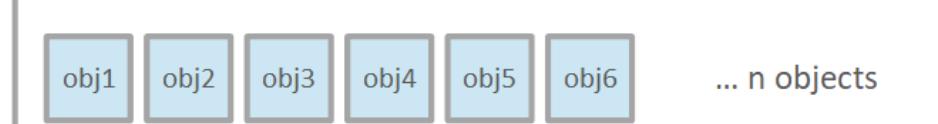
Object (dba_objects)



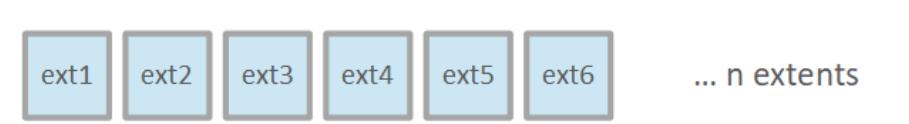
Extent (dba_extents)



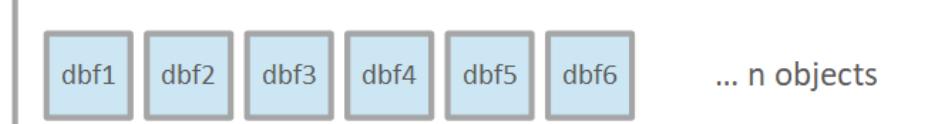
Datafile (dba_data_files)



Segment (dba_segments)



Tablespace (dba_tablespaces)



Redo & Undo

Redo Log

Group #1

REDO_1A.RDO

REDO_1B.RDO

Group #2

REDO_2A.RDO

REDO_2B.RDO

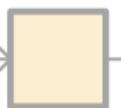
Group #3

REDO_3A.RDO

REDO_3B.RDO



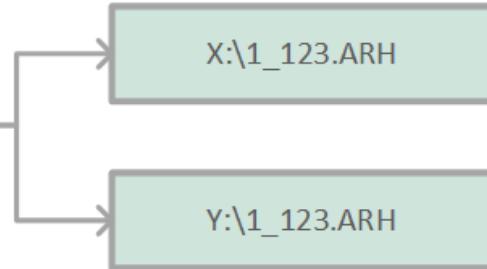
current



active



inactive
archived & checkpoint



Undo Tablespace



active



unexpired

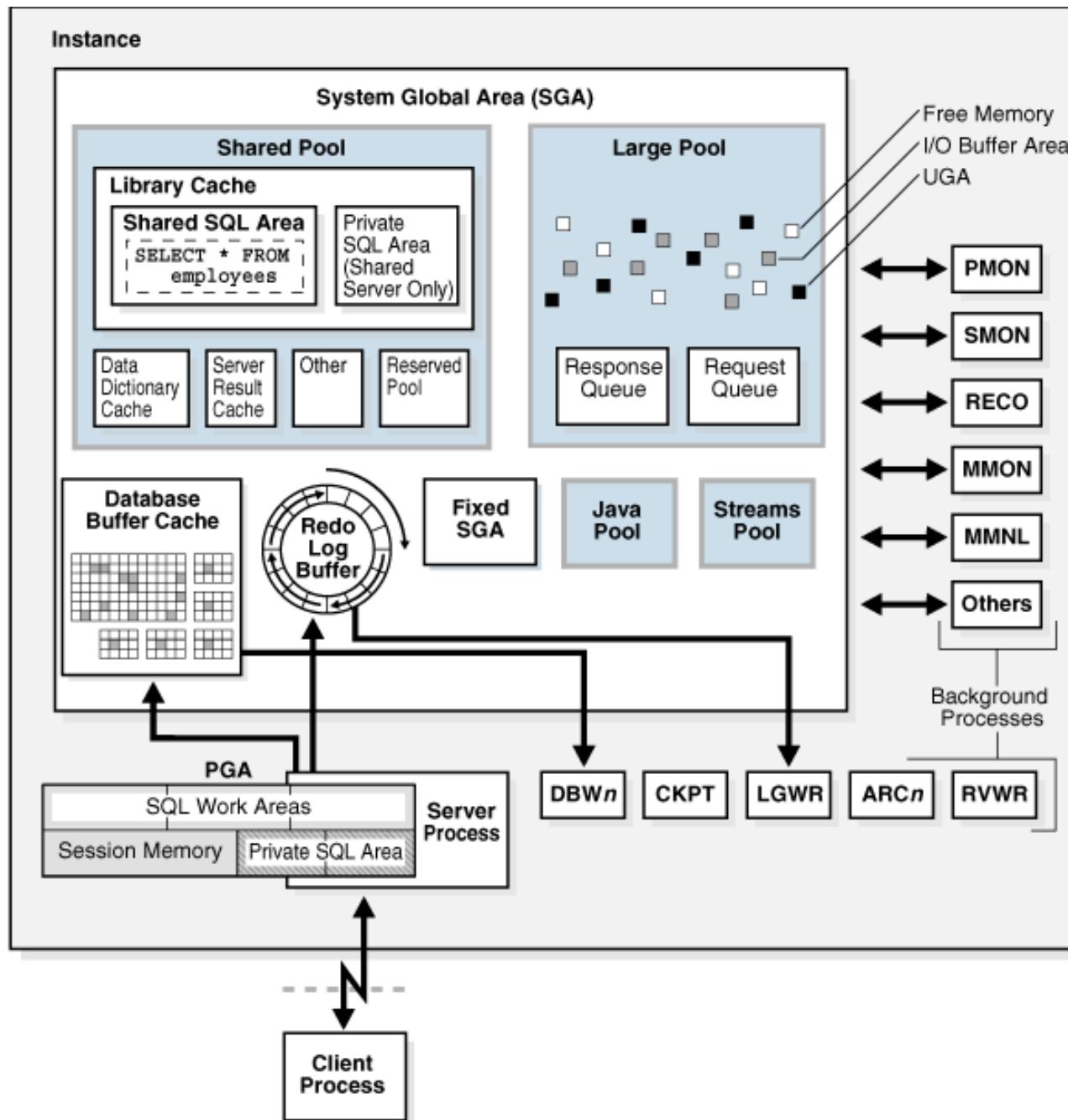


expired



empty

Memory Architecture & Processes



Basic Performance Views

