



COLRUYT
GROUP



Backup & Recovery

Colruyt Group

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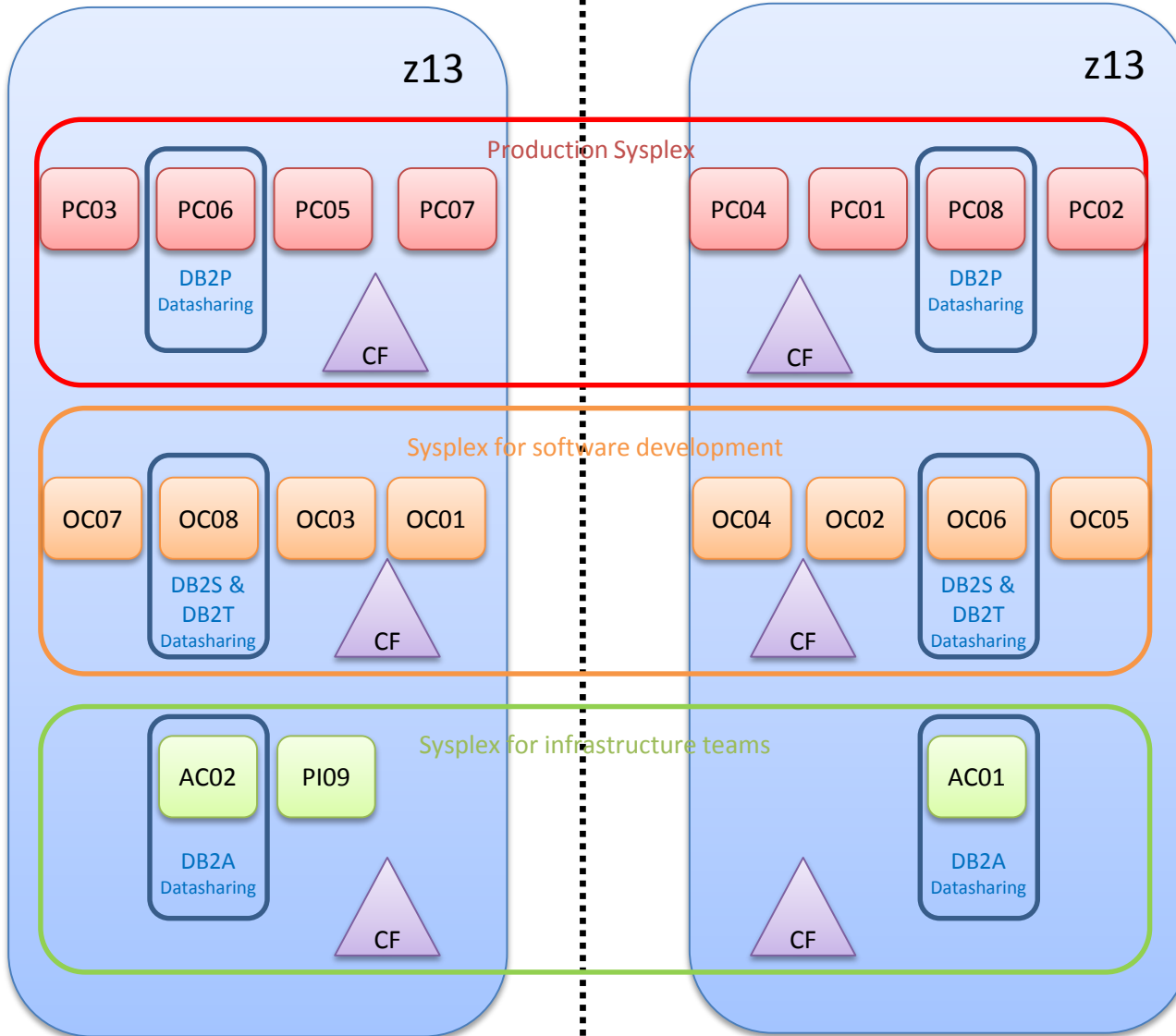
- Infrastructure setup





Datacenter 1

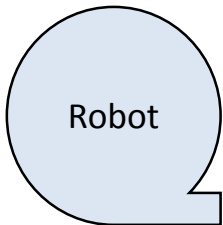
Datacenter 2



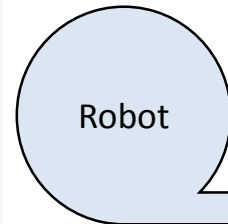
VSM



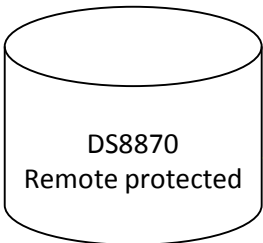
VSM



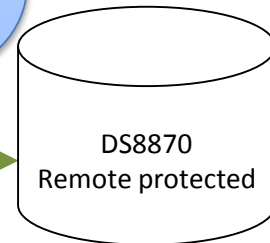
Robot



Robot



DS8870
Remote protected



DS8870
Remote protected

PPRC

Backup & Recovery

- Infrastructure setup
- Restart policy
 - Failing LPAR
 - Subsystem is restarted in LIGHT on “mirror” LPAR
 - Failing Subsystem
 - Subsystem is restarted in LIGHT on same LPAR



DB2P - Logging

- Active LOG
 - Project to expand (01/2017)
 - Aiming to hold 1 day on active log
 - Expanding from 8 x 1600 cyl → 25 x 4000 cyl
- Dual logging (+ PPRC)
- LOGCOPY1 & LOGCOPY2 are in different SMS storagegroups



DB2P - Logging

- Archive LOG
 - On tape (+ mirror)
 - Retention period of 3 months



DB2P – Backup user data

- Weekdays – for all databases

- “Incremental Copy”

```
LISTDEF COPYLIST
    INCLUDE TABLESPACES    DATABASE    AFBND001    ALL PARTLEVEL
COPY LIST COPYLIST
    CHANGLIMIT (ANY)
    SHRLEVEL CHANGE
```

- Retention period : 15 days

- Weekend – for all databases

- Full Copy

- Retention period : 3 months

- Only tablespaces are copied, *no indexes*



DB2P – Backup Catalog and Directory

- Every Weekend
 - Full Copy
 - Retention period : 3 months

- Every 3 months
 - REORG



Recovery

- Normally application teams recover based on corrective programs
 - DBA can assist if needed by providing
 - Backup to file
 - REDO/UNDO SQL
 - Log information
 - Application teams are responsible!
- DBA
 - “Yearly” exercise



Recovery exercises

- DBA
 - “Yearly” exercise
 - Table recovery
 - Log analysing tool



Disaster Recovery exercises

- Normally once a year
 - Simulate a CDC disaster
 - During take over we start DB2 in LIGHT on remaining LPAR
 - DB2 member stays down until “return to normal”
- We stay in DRP for 12 hours.

