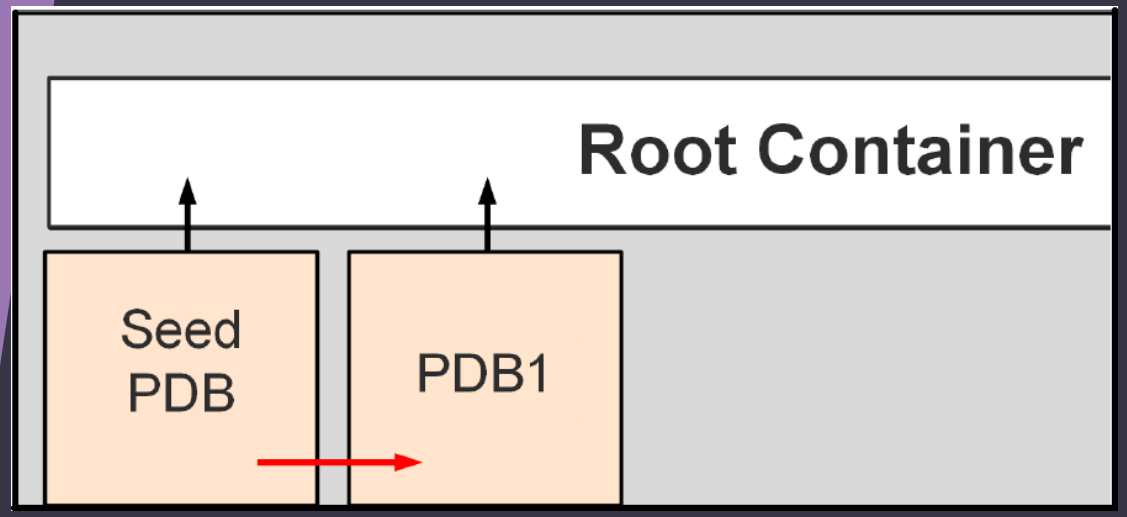
Creating PDBs

- Methods to create PDBs:
  - Create a PDB by using the seed
  - Create a PDB from a non-CDB (Not part of this course)
  - Clone an existing PDB or non-CDB
  - Plug an unplugged PDB into a different CDB (Not part of this course)
  - Relocate a PDB to a different CDB (Not part of this course)
  - Create a PDB as a proxy PDB (Not part of this course)
- Tools to create PDBs:
  - SQL*Plus
  - SQL Developer
  - Enterprise Manager Cloud Control
  - DBCA

Creating PDBs

Creating PDBs from SEED



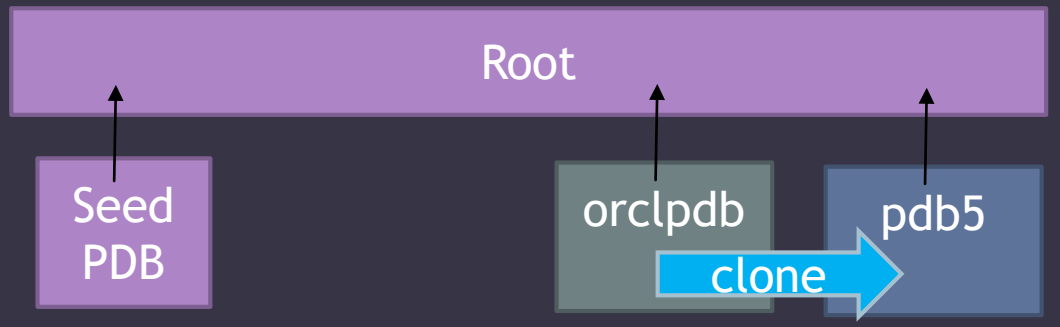
- ❑ We do this by create pluggable database statement.
- ❑ This will copy data files from seed to new location.
- ❑ This will create system and sysaux tablespaces.
- ❑ This will create default schemas and common users .
- ❑ Sys user will be super user.
- ❑ system user can manage the PDB.
- ❑ This will create the DB service automatically.

What is the prerequisites for using create pluggable database statement?

- The current container must be root
- You must have create pluggable database privileges
- The CDB must be in READ WRITE mode

Creating PDBs
Cloning PDBs

Cloning is copying a source PDB from a CDB and plugging the copy into the same CDB or another CDB.

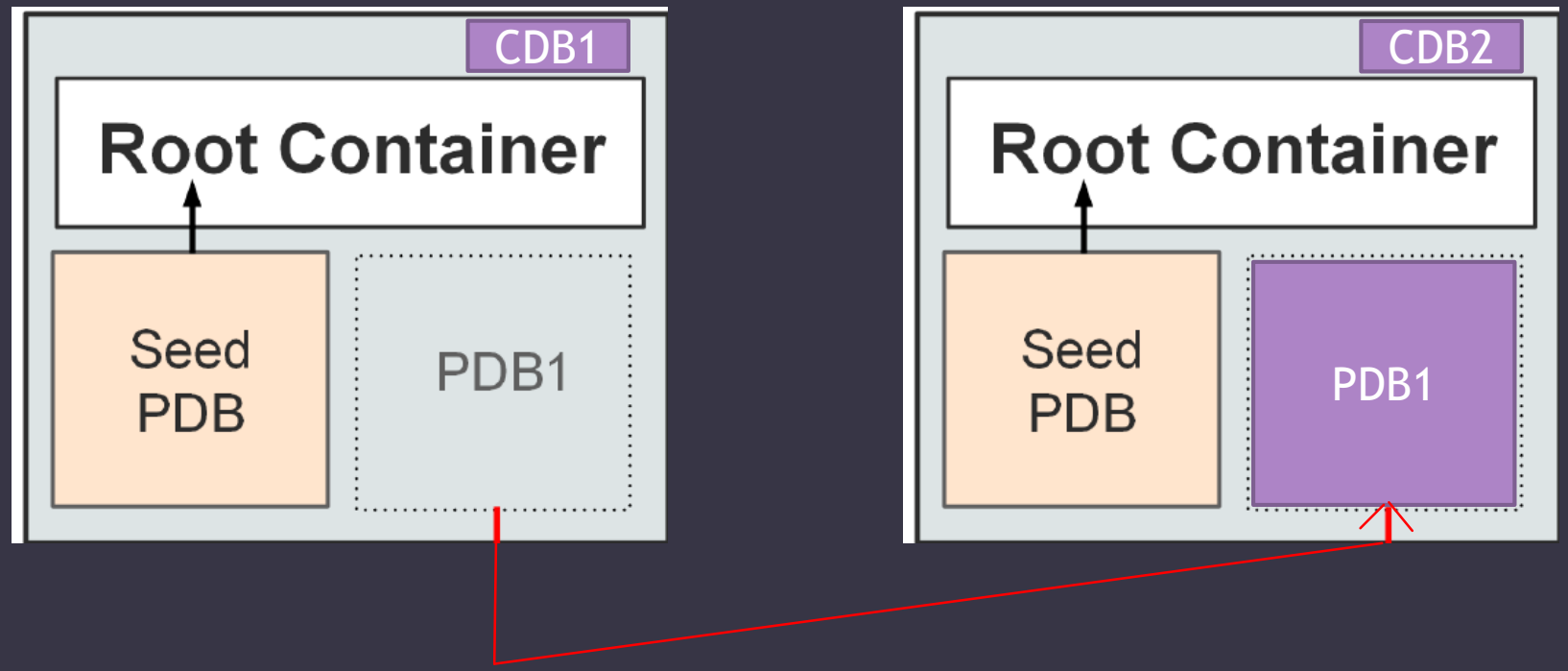


- You must be connected to a CDB and the current container must be the root.
- You must have the `CREATE PLUGGABLE DATABASE` system privilege.
- The CDB in which the PDB is being created must be in `READ WRITE` mode.
- ~~You must put the PDB being cloned into `READ ONLY` mode before you can clone it.~~

It is better , but not mandatory and we will see this in example

Creating PDBs

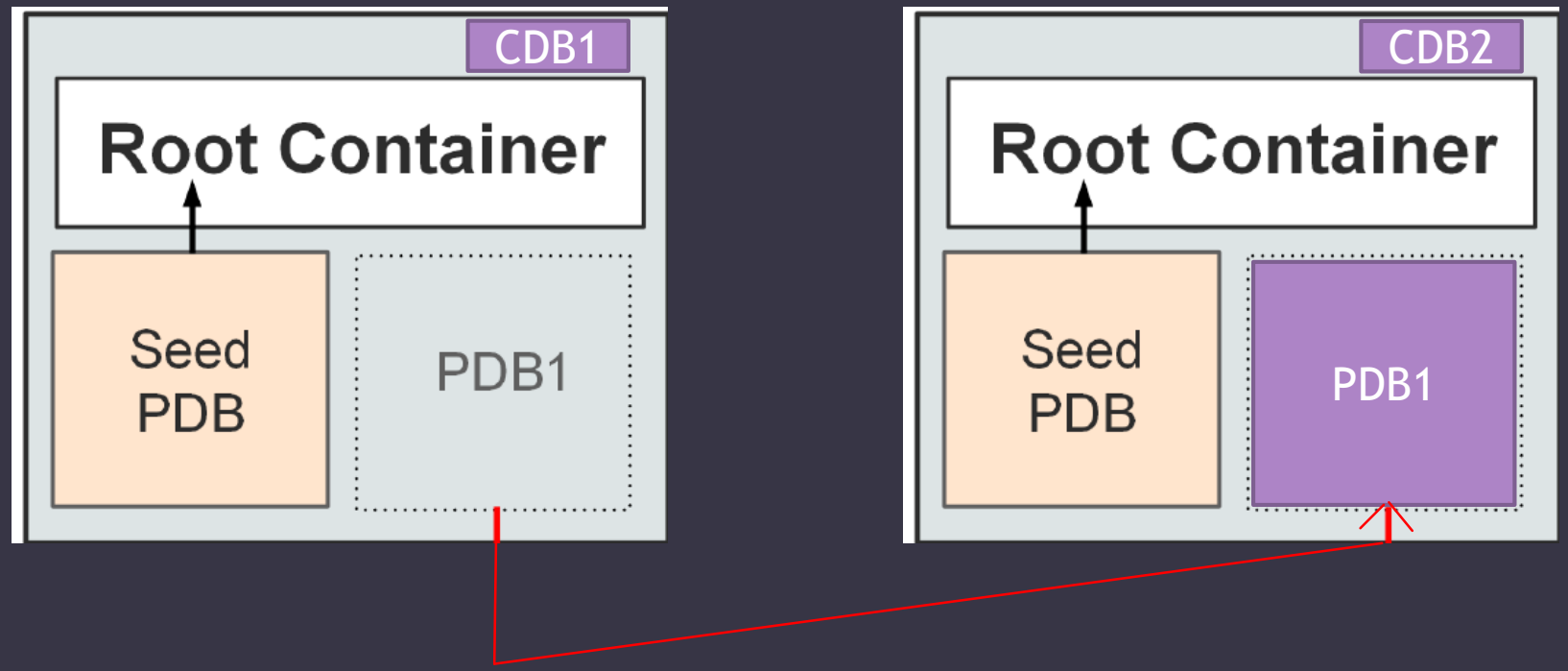
Unplugging and plugging in PDBs



- Unplugging a PDB is disassociating the PDB from its CDB.
- Plugging in a PDB is associating a PDB with a CDB.
- You can plug a PDB into the same or another CDB.

Creating PDBs

Unplugging and plugging in PDBs



1. Close the pdb1
2. Unplug pdb1 to xml
3. Drop the pdb1 but we keep the datafiles
4. Check compatibility
5. Plug the pdb1 using the xml