



Agenda



- 1. Was ist dbca?
- 2. Erstellen der DB
- 3. Nacharbeiten

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Was ist dbca



- dbca (DataBase Creation Assistant) ist ein grafisches Tool von ORACLE, welches zum Erstellen von Datenbanken verwendet werden kann
- Es können Templates erstellt werden, damit dbca im Silent mode verwendet werden kann um DB's zu erstellen
- dbca ist ein Script Generator
- Er liegt im \${ORACLE_HOME}/bin

\$ \${ORACLE HOME}/bin/dbca

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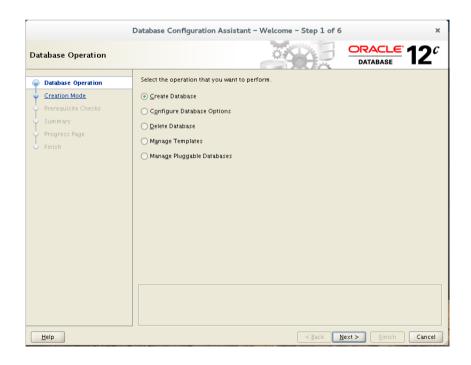
Erstellen der DB 1/16



Umgebung auf das entsprechende ORACLE_HOME setzen

```
$ rdbms_12102_ee
```

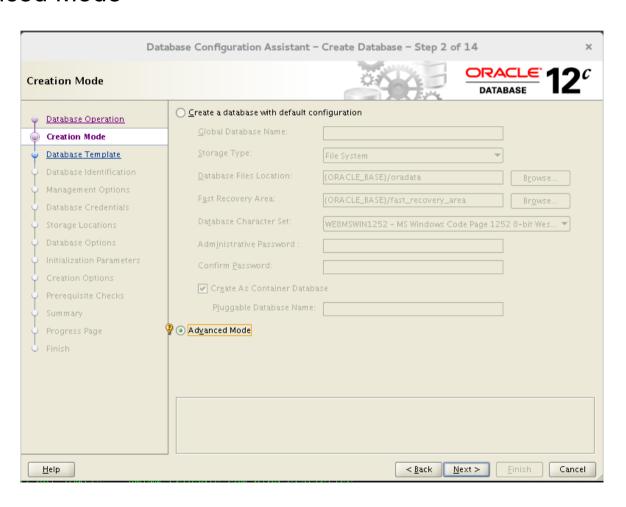
- dbca starten
 - \$ \${ORACLE HOME}/bin/dbca
- Create Database auswählen



Erstellen der DB 2/16



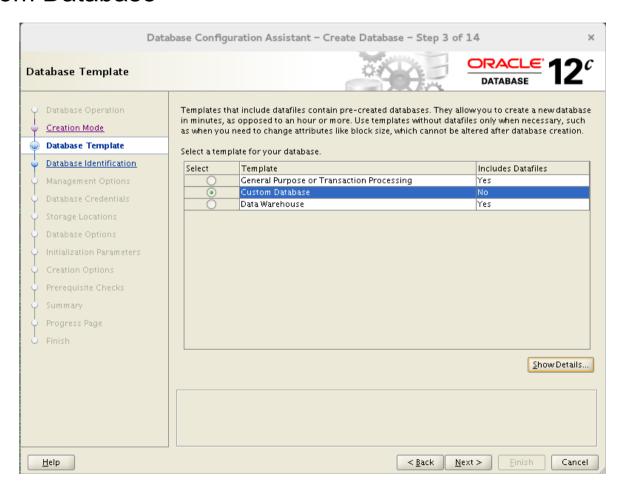
Advanced Mode



Erstellen der DB 3/16



Custom Database



Erstellen der DB 4/16



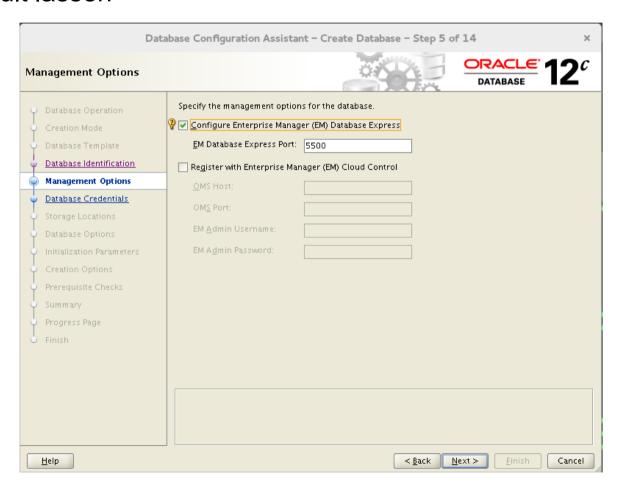
• Beliebigen Namen eingeben (max. 8 Stellen)

Oatabase Identification	DATABASE 120
O Database Operation O Creation Mode O Database Template	Provide the identifier information required to access the database uniquely. An Oracle database is uniquely identified by a Global database name, typically of the form "name.domain". Additionally, a database is referenced by at least one Oracle instance which is uniquely identified from any other instance on this system by an Oracle system identifier (SID).
Database Identification	Global Database Name EE12DBCA
Management Options	SID: EE12DBCA
Database Credentials	
Network Configuration	<u>C</u> reate As Container Database
Storage Locations	Creates a database container for consolidating multiple databases into a single database and
Database Options	enables database virtualization. A container database (CDB) can have zero or more pluggable databases (PDB).
Initialization Parameters	Create an Empty Container Database
Creation Options	Create a Container Database with one or more PDBs
Prerequisite Checks	Number of PDBs: 1
Summary	
Progress Page	PDB Name:

Erstellen der DB 5/16



Default lassen



Erstellen der DB 6/16



Passwort f
ür sys und system setzen

Da	tabase Configuration As	sistant – Create Database – S	tep 6 of 14 ×		
Database Credentials			ORACLE 12°		
Ψ Database Operation	For security reasons, you	u must specify passwords for the foll	lowing user accounts in the new database.		
Creation Mode		strative Passwords			
Database Template	User Nam	re Password	Confirm Password		
Database Identification	SYS SYSTEM				
Management Options	313160				
Database Credentials					
Storage Locations					
Database Options					
Initialization Parameters	Use the Same Adminis	strative Password for All Accounts			
Creation Options	<u>P</u> assword:	•••••			
Prerequisite Checks	Confirm Password:	•••••			
Summary					
Progress Page					
Finish					
	<u>M</u> essages:				
	Password: The password entered does not conform to the Oracle recommended standards. A A password should have minimum of 8 characters in length. In addition, the password must contain at least one upper case character, one lower case character and one digit.				
<u>H</u> elp		< <u>B</u>	ack Next > Einish Cancel		

Erstellen der DB 7/16



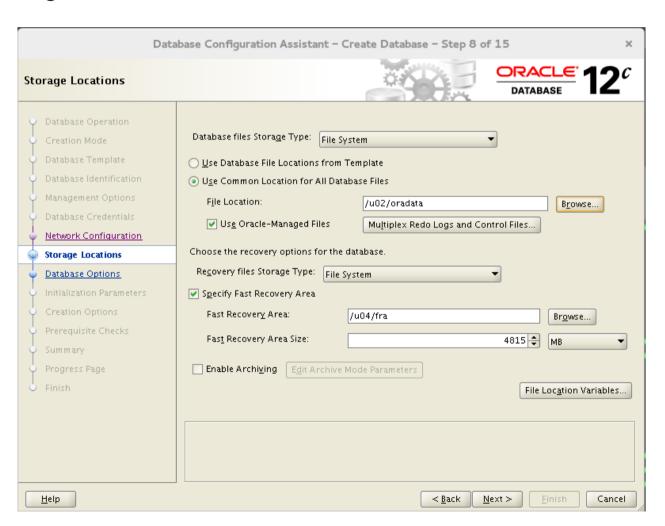
• Bestehenden Listener auswählen

Data	abase Configuration Assistant – Create Database – Step 7 of 15	×
Network Configuration	ORACLE DATABASE	2 ^c
Database Operation Creation Mode Database Template Database Identification Management Options Database Credentials Network Configuration Storage Locations Database Options Initialization Parameters Creation Options Prerequisite Checks Summary Progress Page Finish	Listener Selection Listeners from current Oracle home are listed below. To create a new listener in current Oracle home, specify the listener name and port. Select Listeners. Select Name Port Oracle Home State LISTENER 1521 /u01/app/oracle/product/11.2.0/xe Up Create a New Listener Listener Name: Listener Port: Target Oracle Home: /u01/app/oracle/product/12.1.0.2	tus
<u>H</u> elp	< <u>B</u> ack <u>N</u> ext > Einish C	ancel

Erstellen der DB 8/16



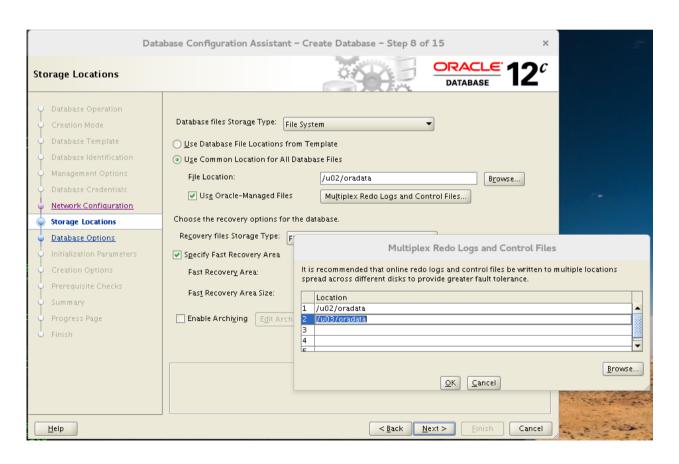
Wichtig



Erstellen der DB 9/16



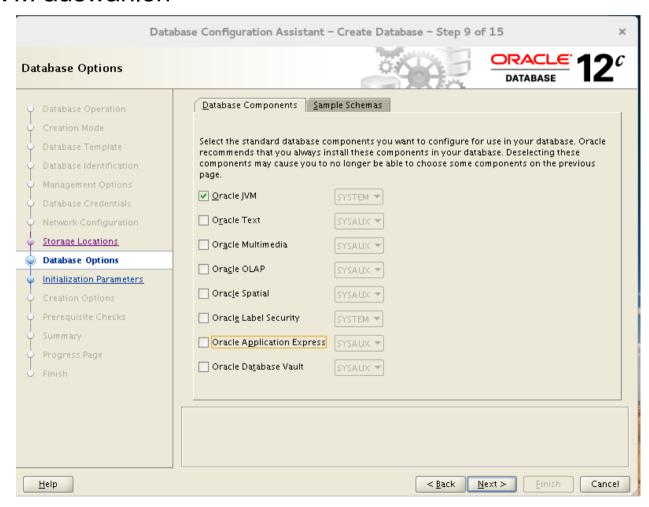
- Klick auf "Multiplex redo Logs and Control Files"
- Per Default würde dbca diese Files nicht duplizieren!



Erstellen der DB 10/16



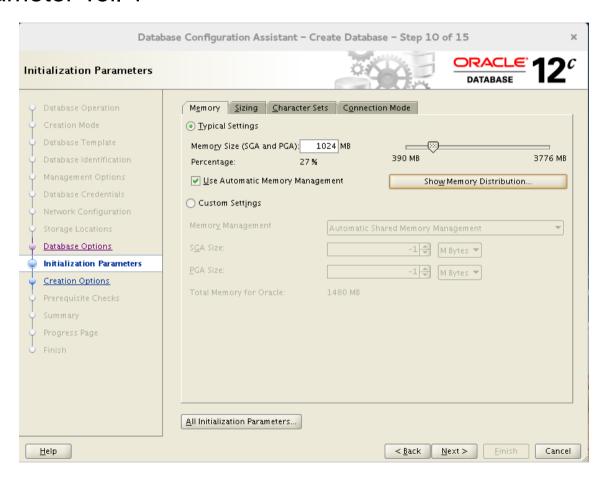
Nur JVM auswählen



Erstellen der DB 11/16



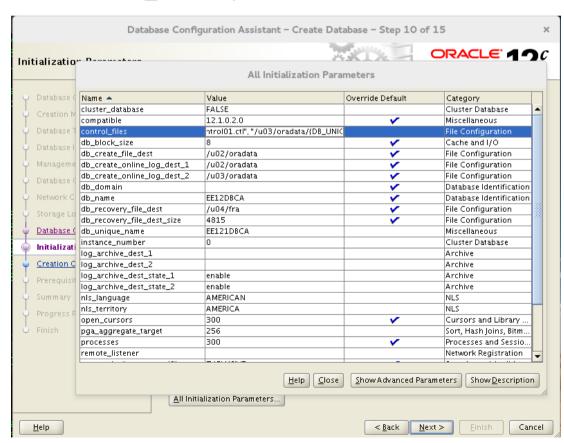
Parameter Teil 1



Erstellen der DB 12/16



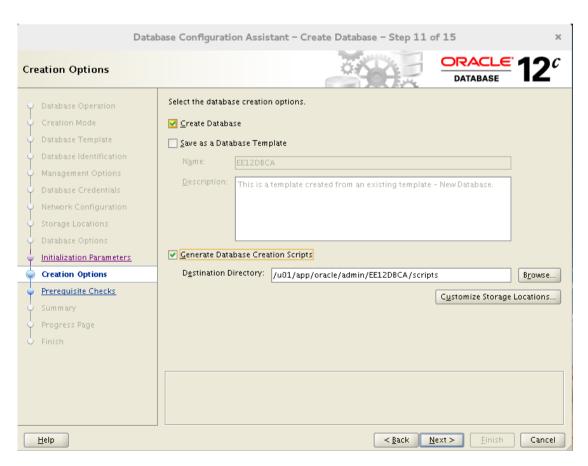
- Parameter Teil 2
- Klick auf All initialization Parameters
 - Wert von control_file 2 anpassen nach /u03/oradata/...



Erstellen der DB 13/16



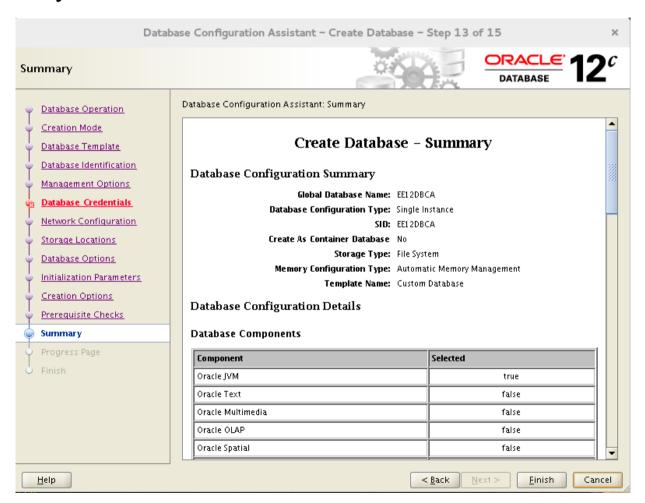
- "Generate Scripts" auswählen
 - Damit kann z.B. ein eigenes Scriptset generiert werden oder es ist interessant zu schauen was gemacht wird



Erstellen der DB 14/16



Summary kontrollieren



Erstellen der DB 15/16



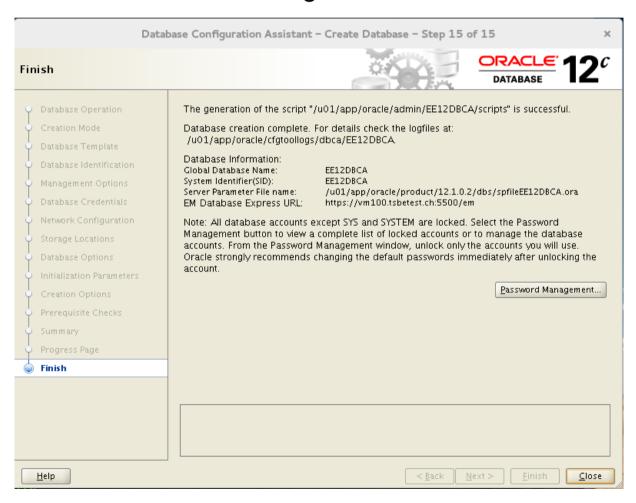
• Kaffee trinken gehen ©

Datai	ase Configuration Assistant – Create Database – Step 14 of 15	×
Progress Page	DATABASE	12 ^c
Database Operation Creation Mode Database Template Database Identification	Progress Database "EE12DBCA" creation in progress 3%	
Management Options Database Credentials Network Configuration Storage Locations Database Options Initialization Parameters Creation Options Prerequisite Checks Summary	Steps S Creating and starting Oracle instance In Prog Creating database files Creating data dictionary views Adding Oracle JVM Completing Database Creation	ress
Progress Page Finish	Activity Log Alert Log	Cancel

Erstellen der DB 16/16



Und die Zusammenfassung…



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- 1. Was ist dbca?
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Nacharbeiten 1/2



- In diesem Beispiel ist der DB Name EE12DBCA
- Eintrag in oratab auf automatisches Starten einstellen

```
EE12DBCA:/u01/app/oracle/product/12.1.0.2:Y
```

Basenv neu sourcen

```
$ basenv
oder
$ . basenv.bash
oder ausloggen und neu einloggen
```

Umgebung auf die neue ORACLE_SID umstellen

```
$ ee12dbca
```

Nacharbeiten 2/2



 Verschieben des erstellten Passwort Files und des spfiles ins Admin/ pfile Directory und Verlinken der Files

```
$ mv ${ORACLE_HOME}/dbs/orapwEE12DBCA $cda/pfile
$ mv ${ORACLE_HOME}/dbs/spfileEE12DBCA.ora $cda/pfile
$ ln -s $cda/pfile/orapwEE12DBCA ${cdh}/dbs
$ ln -s $cda/pfile/spfileEE12DBCA.ora ${cdh}/dbs
```

Fragen?



