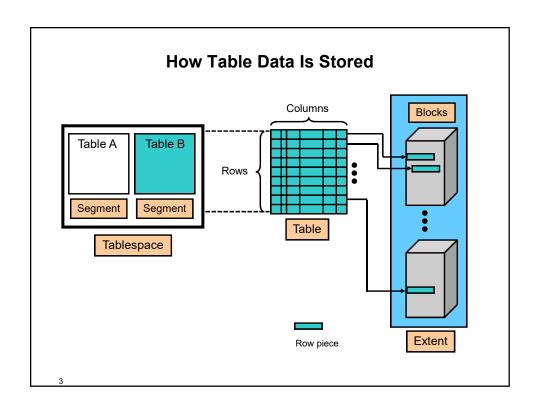


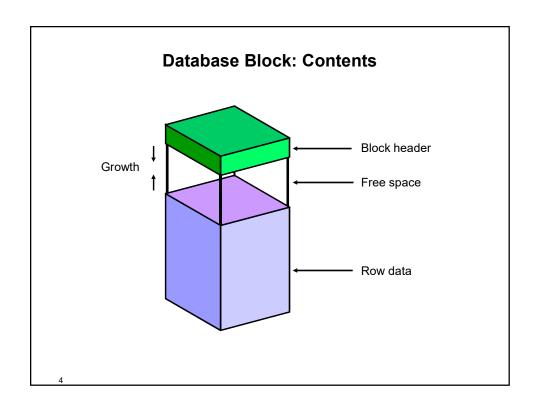
Objectives

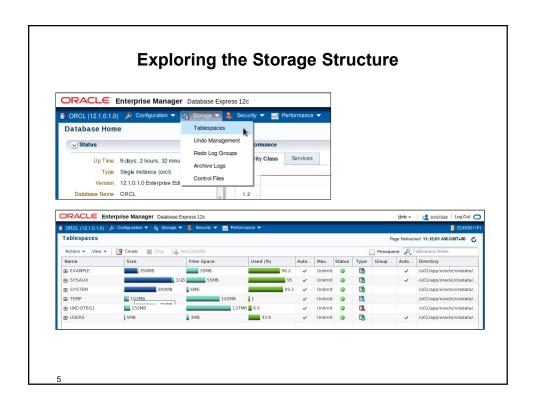
After completing this lesson, you should be able to:

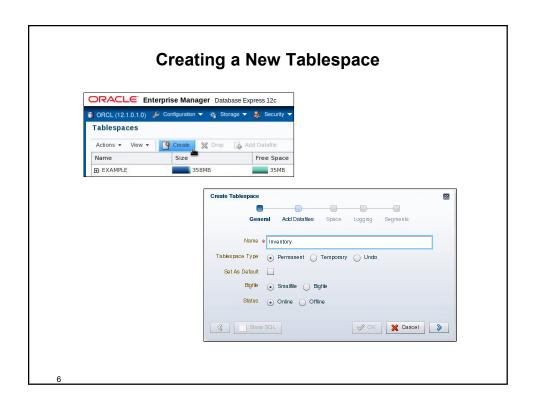
- Describe the storage of table row data in blocks
- Create and manage tablespaces
- Obtain tablespace information

2

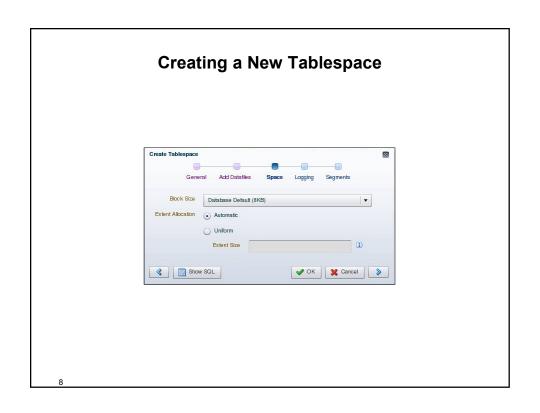


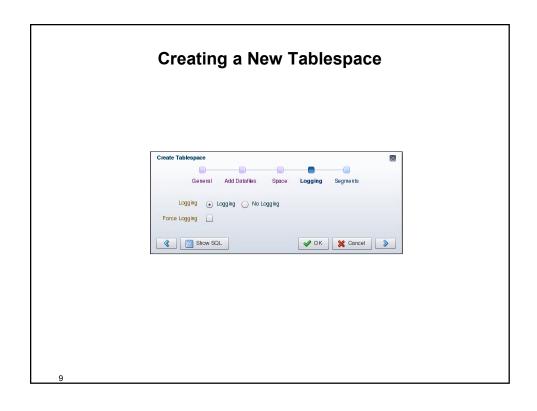


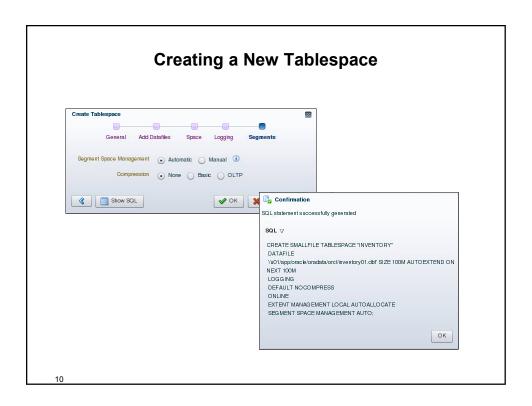


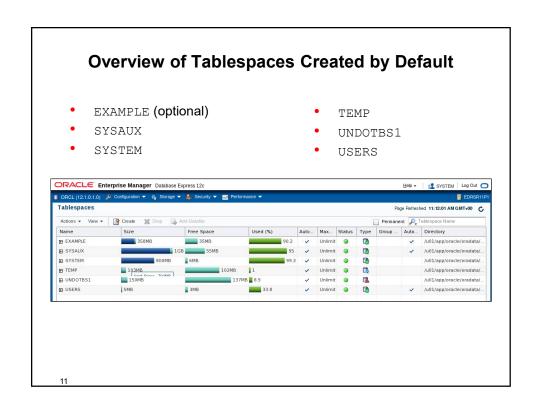


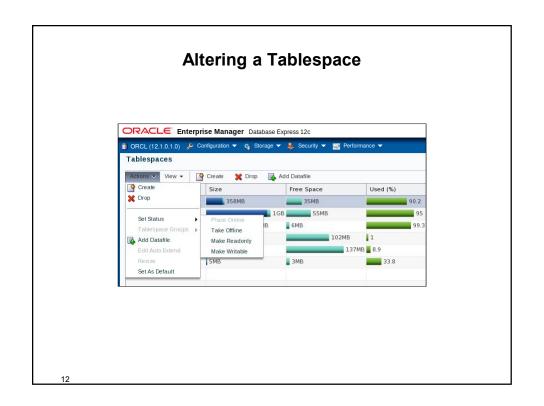
Create Tablespace	PER SERVICE PERMIT	
General	Add Datafiles Space Logging Segments	
Using Oracle-Managed Files	(1)	
Datafiles	* /u01/app/oracle/oradata/orcl/inventory01.dbf	+
	File Name	×
	/u01/app/oracle/oradata/orcl/inventory01.d	
File Size	* 100M	i
Reuse Existing File		
Auto Extend	▼ (i)	,
	Increment 100M	
	Maximum File Size Unlimited	
		19 11 11
Show SQL	✓ OK	el 🔊

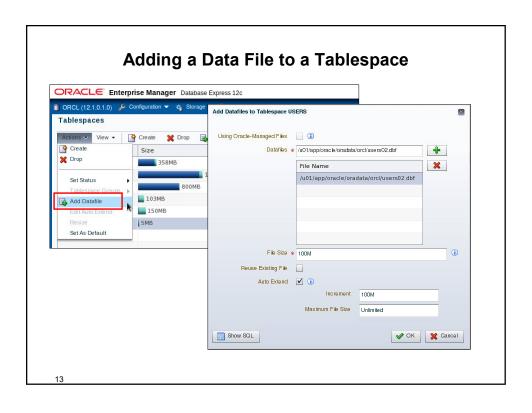


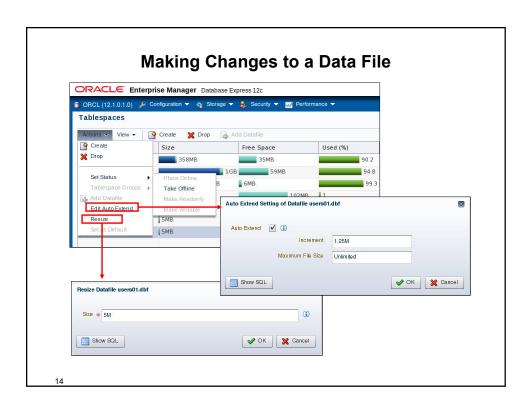


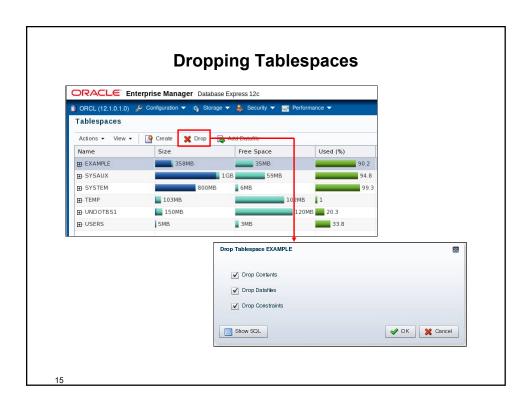












Viewing Tablespace Information SQL> SELECT tablespace_name, status, contents, logging, 2 extent_management, allocation_type, segment space management 4 FROM dba_tablespaces; TABLESPACE NAME STATUS CONTENTS LOGGING EXTENT MAN ALLOCATIO SEGMEN SYSTEM ONLINE PERMANENT LOGGING LOCAL SYSTEM MANUAL ONLINE PERMANENT LOGGING SYSAUX LOCAL SYSTEM AUTO LOGGING LOCAL UNDOTBS1 ONLINE UNDO MANUAL SYSTEM TEMP ONLINE TEMPORARY NOLOGGING LOCAL UNIFORM MANUAL USERS ONLINE PERMANENT LOGGING LOCAL SYSTEM AUTO ONLINE PERMANENT NOLOGGING LOCAL SYSTEM AUTO SQL> SELECT file_name, file_id, tablespace_name 2 FROM dba_data_files; FILE_ID TABLESPACE_NAME FILE NAME /u01/app/oracle/oradata/orcl/system01.dbf /u01/app/oracle/oradata/orcl/sysaux01.dbf 3 SYSAUX /u01/app/oracle/oradata/orcl/users01.dbf 6 USERS /u01/app/oracle/oradata/orcl/example01.dbf 2 EXAMPLE /u01/app/oracle/oradata/orcl/undotbs01.dbf 4 UNDOTBS1

Oracle Managed Files (OMF)

Specify file operations in terms of database objects rather than file names.

Parameter	Description
DB_CREATE_FILE_DEST	Defines the location of the default file system directory for data files and temporary files
DB_CREATE_ONLINE_LOG_DEST_n	Defines the location for redo log files and control file creation
DB_RECOVERY_FILE_DEST	Default location for the fast recovery area

Example:

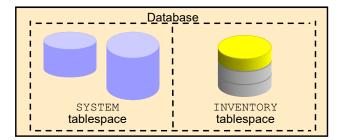
```
SQL> ALTER SYSTEM
   2 SET DB_CREATE_FILE_DEST='/u01/app/oracle/oradata';
SQL> CREATE TABLESPACE tbs 1;
```

17

Enlarging the Database

You can enlarge the database in the following ways:

- Create a new tablespace.
- · Add a data file to an existing smallfile tablespace.
- Increase the size of a data file.
- Provide for the dynamic growth of a data file.



18

Summary

In this lesson, you should have learned how to:

- Describe the storage of table row data in blocks
- Create and manage tablespaces
- Obtain tablespace information

10