Oracle Installation and Usage

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VERSION: 0.0.1

Abstract

Oracle database installation, client access, maintenance, user configuration, grants, and priviledges.

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Contents

Contents	2
List of Definitions and Abbreviations	3
Introduction	4
Installation	5
Instance	6
Create	
Database Create	7
Container Database	8
Create	8
Recover and Restore	9
Examples	10
Escaping $<$ and $>$ Symbols	
Enumerate	
Comments	10
Questions	11
Endnotes	12
Appendix	13
Books	
Scripts	
Hyperlinks	13

List of Definitions and Abbreviations

- Container database "Container Database (CDB): On the surface this seems very similar to a conventional Oracle database, as it contains most of the working parts you will be already familiar with (controlfiles, datafiles, undo, tempfiles, redo logs etc.). It also houses the data dictionary for those objects that are owned by the root container and those that are visible to all PDBs."
- Database "A database is a set of physical files on disk created by the CREATE DATABASE statement. The instance manages its associated data and serves the users of the database." ²
- Instance "A database instance is a set of memory structures that manage database files." ³
- Pluggable database "Pluggable Database (PDB): Since the CDB contains most of the working parts for the database, the PDB only n eeds to contain information specific to itself. It does not need to worry about controlfiles, redo logs and undo etc. Instead it is just made up of datafiles and tempfiles to handle it's own objects. This includes it's own data dictionary, containing information about only those objects that are specific to the PDB. From Oracle 12.2 onward a PDB can, and should, have a local undo tablespace."

¹Multitenant : Overview of Container Databases (CDB) and Pluggable Databases (PDB) https://oracle-base.com/articles/12c/multitenant-overview-container-database-cdb-12cr1#create-pdb

²Introduction to the Oracle Database Instance, Oracle Database Instance, Database Concepts, Oracle Database, Release 12.2, https://docs.oracle.com/en/database/oracle/oracle-database/12.2/cncpt/oracle-database-instance.html

³Ibid.

⁴Multitenant : Overview of Container Databases (CDB) and Pluggable Databases (PDB) https://oracle-base.com/articles/12c/multitenant-overview-container-database-cdb-12cr1#create-pdb

Introduction

"There are 3 steps to begin using AWStats: 5

- I. Setup: Installation and configuration
- II. Process logs: Building/updating statistics database
- III. Run Reports: Building and reading reports

 $^{^5 {\}rm AWS} {\rm tats}$ Installation, Configuration and Reporting https://awstats.sourceforge.io

Installation

AWStats v7.3 and v7.7 are installed on the intdev⁶ server from package.

The installed versions include:

- AWStats v7.3-1
- AWStats v7.7-1.1.el6

 $^{^6}$ intdev - dnratwintdev.dnr.state.ak.us (204.89.222.43)

Instance

"A database instance is a set of memory structures that manage database files.

A database is a set of physical files on disk created by the CREATE DATABASE statement. The instance manages its associated data and serves the users of the database.

Every running Oracle database is associated with at least one Oracle database instance. Because an instance exists in memory and a database exists on disk, an instance can exist without a database and a database can exist without an instance."⁷

Create

Delete

 $^{^7 \}rm Introduction$ to the Oracle Database Instance, Oracle Database Instance, Database Concepts, Oracle Database, Release 12.2, https://docs.oracle.com/en/database/oracle/oracle-database/12.2/cncpt/oracle-database-instance.html

Database

Oracle 12.2.0 running under Windows 10 (64-bit) saves databases as datafiles under C:\oracle\oradata\cdb1\pdb1\pDB1\DATAFILE 8

Create

⁸From inspection of Windows 10 filesystem on Monday August 3, 2020.

Container Database

[FIXME: Need content here...]

Create

Recover and Restore

[FIXME: Need content...]

Examples

Series of useful LATEX markup. Need to break out to separate examples.tex file.

Escaping < and > Symbols

To get \$<\$ or \$>\$ just wrap the symbols in \$ for math mode.

Enumerate

- 1. DNR Alaska State Department of Natural Resources
 - HI Historical Index, not maintained since 1982
 - LE Land Estate, maintained by SGU
 - ME Mineral Estate, maintaind by SGU
- 2. Alaska State Surveys
 - ASBLT As-Built Survey
 - ASCS Cadastral Survey

Comments

COMMENTS Comment — Sean Weems, Spring 2003

We should get the COMMENTS column searchable via the landrecords application before we do much anything else – shouldn't be too hard.

Errata: Plats spanning multiple sections

A few anomalies can be observed in the AKPLATS table. Specifically plats exist that span multiple sections. Since the table only has a single column, SCODE, that accepts a single section code, SGU (Status Graphics Unit) has handled this problem by entering multiple rows in the table, each with a different section that point to the same plat or file. Multiple section plats are indicated by setting the TCODE column to the value 37, and making an appropriate notation like Section 24-25-26-27 in the REMARKS column.

[FIXME: Perhaps the SCODE column should accept an array of sections?]

Questions

• Break table column over two rows?

Endnotes

Appendix

Books

[FIXME: Need books here...]

Scripts

[FIXME: Need scripts here.]

Hyperlinks

2 Day DBA

Oracle Database Release 12.2

https://docs.oracle.com/en/database/oracle/oracle-database/12.2/admqs/introduction.html #GUID-78050887-822B-4091-8DBA-A8EC43602350

Introduction to the Oracle Database Instance,

Oracle Database Instance, Database Concepts,

Oracle Database, Release 12.2

https://docs.oracle.com/en/database/oracle/oracle-database/12.2/cncpt/

oracle-database-instance.html

 ${\bf Multitenant: Overview\ of\ Container\ Databases\ (CDB)\ and\ Pluggable\ Databases\ (PDB)}$

Oracle 12c Release 1 (12.1)

https://oracle-base.com/articles/12c/multitenant-overview-container-database-cdb-12cr1

Oracle Database Instance

Oracle Database Release 12.2

Oracle Database Instance