

# Oracle Installation and Usage

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VERSION: 0.0.1

## **Abstract**

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

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## List of Definitions and Abbreviations

- **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.”<sup>1</sup>
- **Instance** - “A database instance is a set of memory structures that manage database files.”<sup>2</sup>

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<sup>1</sup>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>

<sup>2</sup>Ibid.

# Introduction

”There are 3 steps to begin using AWStats:<sup>3</sup>

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

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<sup>3</sup>AWStats Installation, Configuration and Reporting  
<https://awstats.sourceforge.io>

# Installation

AWStats v7.3 and v7.7 are installed on the `intdev`<sup>4</sup> server from package.

The installed versions include:

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

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<sup>4</sup>`intdev - dnr.wintdev.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.” <sup>5</sup>

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<sup>5</sup>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>

## Datafiles

Oracle 12.2.0 running under Windows 10 (64-bit) saves databases as datafiles under  
C:\oracle\oradata\cdb1\pdb1\PDB1\DATAFILE <sup>6</sup>

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<sup>6</sup>From inspection of Windows 10 filesystem on Monday August 3, 2020.

## Examples

Series of useful L<sup>A</sup>T<sub>E</sub>X 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

## Scripts

The following script will loop over the specified awstats log files to load the monthly usage statistics.

## Hyperlinks

AWStats repository on GitHub

<https://github.com/eldy/awstats>

AWStats

From Wikipedia, the free encyclopedia

<https://en.wikipedia.org/wiki/AWStats>

AWStats Forum

<https://sourceforge.net/p/awstats/discussion/43428>

AWStats official web site

Free real-time logfile analyzer to get advanced statistics (GNU GPL).

<https://awstats.sourceforge.io/>

Chapter 2. Analytics and AWStats

Google Analytics 2.0 by Jerri Ledford, Mary E. Tyler

<https://www.oreilly.com/library/view/googletm-analytics-20/9780470175019/ch02.html>

Chapter 3. Yes! More AWStats!

Yes, There's More

Google Analytics 2.0 by Jerri Ledford, Mary E. Tyler

<https://www.oreilly.com/library/view/googletm-analytics-20/9780470175019/ch03.html>

Documentation

Latest and most up-to-date

<http://www.awstats.org/>

Frequently Asked Questions + Troubleshooting

AWStats logfile analyzer 7.7 Documentation

[https://awstats.sourceforge.io/docs/awstats\\_faq.html](https://awstats.sourceforge.io/docs/awstats_faq.html)

How do I get AWStats to analyze old log files?

<https://stackoverflow.com/questions/13832701/how-do-i-get-awstats-to-analyze-old-log-files/14850083#14850083>