

# ORACLE'S DATA WAREHOUSING IMPLEMENTATION BOOT CAMP

## PRODUCT FACTS AND KEY FEATURES

### KEY FEATURES

- Get extreme performance for large data warehouses
- Manage integration and loading of quality data with Oracle Warehouse Builder
- Improve data warehouse performance, availability, and manageability by partitioning large tables
- Find hidden patterns and insights in your data warehouse with Oracle Data Mining

### ORACLE DATA

#### WAREHOUSING PRODUCTS

- Oracle Database 11g
- Oracle Exadata
- HP Oracle Database Machine
- Oracle Partitioning
- Oracle Advanced Compression
- Oracle OLAP
- Oracle Retail Data Model
- Oracle Data Mining
- Oracle Optimized Warehouses
- Oracle Warehouse Builder

*Business intelligence and data warehousing turn data into valuable information, allowing organizations to deploy resources more effectively, increase operational efficiency, determine a campaign's effectiveness, and identify new streams of revenue. Building your data warehouse on Oracle is the best way to consolidate and organize all your data so it can be easily managed, accessed, and analyzed.*

*The Data Warehousing Implementation Boot Camp will equip partner implementation personnel with the knowledge and experience to implement data warehouse solutions with the Oracle database. Participants will learn to use the relevant features of the Oracle database for implementing data warehouses, as well as gain a framework for addressing customer-specific implementation issues.*

### What will we cover

The Data Warehousing Implementation Boot Camp is a five –day live virtual class tailored to educate and the give attendees an understanding of data warehousing concepts and Oracle features used to implement data warehouses. The boot camp will be a combination of lecture and hands-on exercises, where the participants will gain valuable skills in Oracle Data Warehousing technology and implementation best practices. The course will cover:

- A primer on data warehouse concepts
- Overview of all relevant Oracle database features for data warehousing
- In depth coverage and hands on labs for the following areas
  - Parallel execution
  - Partitioning
  - Result cache
  - OLAP
  - Advanced compression
- Introduction to Oracle Warehouse Builder and Oracle Data Integrator
- SQL analytics and data mining
- Review of different data warehouse architectures
- An in-depth overview of Oracle Exadata machine
- Best practices for implementing data warehouses
- Guidelines for producing ROI from your data warehouse project.

Upon completion of the boot camp, participants will be able to understand and successfully implement a data warehouse using the full range of Oracle data warehouse capabilities and options.

### **Who should attend**

The audience for this course is implementation consultants, who require an understanding of data warehouse capabilities as well as implementation skills. Students should come to class already familiar with Oracle database operations, use and administration.

### **Prerequisite Training**

To ensure a valuable learning experience, participation in this boot camp requires that participants have foundational product knowledge of the Oracle Database. Accordingly, we strongly suggest and may require that participants complete the prerequisite courses and successfully pass the prerequisite assessment test that is mapped into the [Oracle Database 11g PreSales Champion](#) guided learning path. At a minimum, participants with equivalent skills and background should review the guided learning path and successfully pass the prerequisite assessment test to ensure they possess the background necessary to benefit from participation in the boot camp.

### **Agenda**

The focus of the boot camp will be to educate participants on Oracle Data Warehousing implementations best practices and avoiding common pitfalls in customer implementations. The following topics will be covered:

- Overview – Covers basic data warehousing concepts.
- Oracle data warehouse overview – Covers Oracle features and options which relate specifically to data warehousing.
- Parallel execution – Covers parallel query execution with the Oracle database.
- Partitioning – Covers the assorted types of partitioning available for Oracle databases and how to use them in a data warehouse.
- Result cache – Covers using the Oracle 11g result cache with a data warehouse.
- OLAP – Covers the OLAP option for Oracle databases.
- Advanced compression – Covers advanced compression technology.
- Oracle Warehouse Builder and Oracle Data Integrator – An introduction to these two Oracle tools used when creating and maintain data warehouses.
- SQL analytics and data mining – Covers SQL analytic functions and the use of data mining.
- Architecting Oracle data warehouse platforms – Covers sizing data warehouses and using optimized Oracle data warehouse configurations.
- Exadata overview – An in-depth overview of the Oracle Exadata database machine.
- Oracle data warehouse best practices – Covers a variety of best practices for Oracle data warehouses.
- ROI for data warehouse projects – Best practices for insuring visible return-on-investment for data warehouse projects.

**Agenda**

<b>Day 1</b>
Introduction to Data Warehousing
Introduction to Oracle Data Warehouse solution
Lab setup
Parallel execution
Lab session
<b>Day 2</b>
Partitioning
Lab session
Result Cache
Lab session
<b>Day 3</b>
OLAP
Lab session
Advanced compression
Lab session
<b>Day 4</b>
SQL analytics and data mining
Lab session
Oracle Warehouse Builder and Oracle Data Integrator
Lab session
<b>Day 5</b>
Architecting Oracle data warehouse platforms
Exadata machine overview
Oracle data warehousing best practices
Establishing ROI for data warehousing projects
Wrap up

**Environment – Workstation Requirements**

The lab exercised for this boot camp use a virtual machine image. These images will be hosted on an Oracle-based machine. As an alternative, a student can request access to the virtual machine image to run on their local machine. If the image is to be run on a local machine, the students must have the appropriate player for the machine, such as a VMWare player.

**Contact Us**

For more information about scheduled Oracle Data Warehousing Boot Camps, the Enablement 2.0 Boot Camp program, or to request a new boot camp topic, visit:

<http://competencycenter.oracle.com>



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