# Oracle Autonomous Database Workshop

This training teaches you how to provision an Oracle Autonomous Database Cloud Service instance on Oracle Cloud that is suitable for your workload and requirements. This is a great starting point for developers, administrators, architects and anyone who wants to learn about the first Autonomous Database in the market.

## Learn To

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Learn the key features of this self-driving, self-securing, self-repairing autonomous database service that can instantly scale to meet demands of mission-critical applications. You will see how these services enables you to focus on your core activity and not spend time creating and managing your IT systems. Taking this hands-on training will prepare you for the Oracle Autonomous Database Cloud certification exam.

**Learn To:**

- Describe the key features of Oracle Autonomous Database Cloud Service

- Choose the instance type based on your workload requirement

- Provision an Oracle Autonomous Database Cloud Service instance in minutes

- Connect to the cloud service instance using SQL Developer

- Create a sandbox database for application testing in minutes

- Use Oracle Machine Learning with Autonomous Database Cloud services

- Scale up and scale down resources as required

- Terminate an Autonomous Database instance

## Prerequisites

## Audience

- Cloud Administrator
- Developer

## Course Objectives

- Provision Autonomous Database instance
- Use Oracle Machine Learning with Autonomous Database
- Identify the typical workflow for using Autonomous Database
- Work with data sets
- Monitor and manage Autonomous Database Cloud service instances
- Load data into service instances

# Course Topics

- Oracle Cloud Platform for Database in the Cloud
- Oracle Cloud Infrastructure Essentials
- Oracle Autonomous Database Overview
- Provisioning an Oracle Autonomous Database
- Connecting to Autonomous Database
- Data Loading and Querying External Data
- Managing Users
- Using Oracle Machine Learning with Autonomous Database
- Monitoring and Managing Autonomous Database
- Backing Up and Restoring an Autonomous Database
- Starting, Stopping, Scaling, and Terminating an Autonomous Database
- Oracle Cloud Infrastructure Security
- Managing an Autonomous Database Using Command Utilities and APIs
- Migrating Oracle Databases to Autonomous Database: Overview
- Oracle Autonomous Database: Use Cases