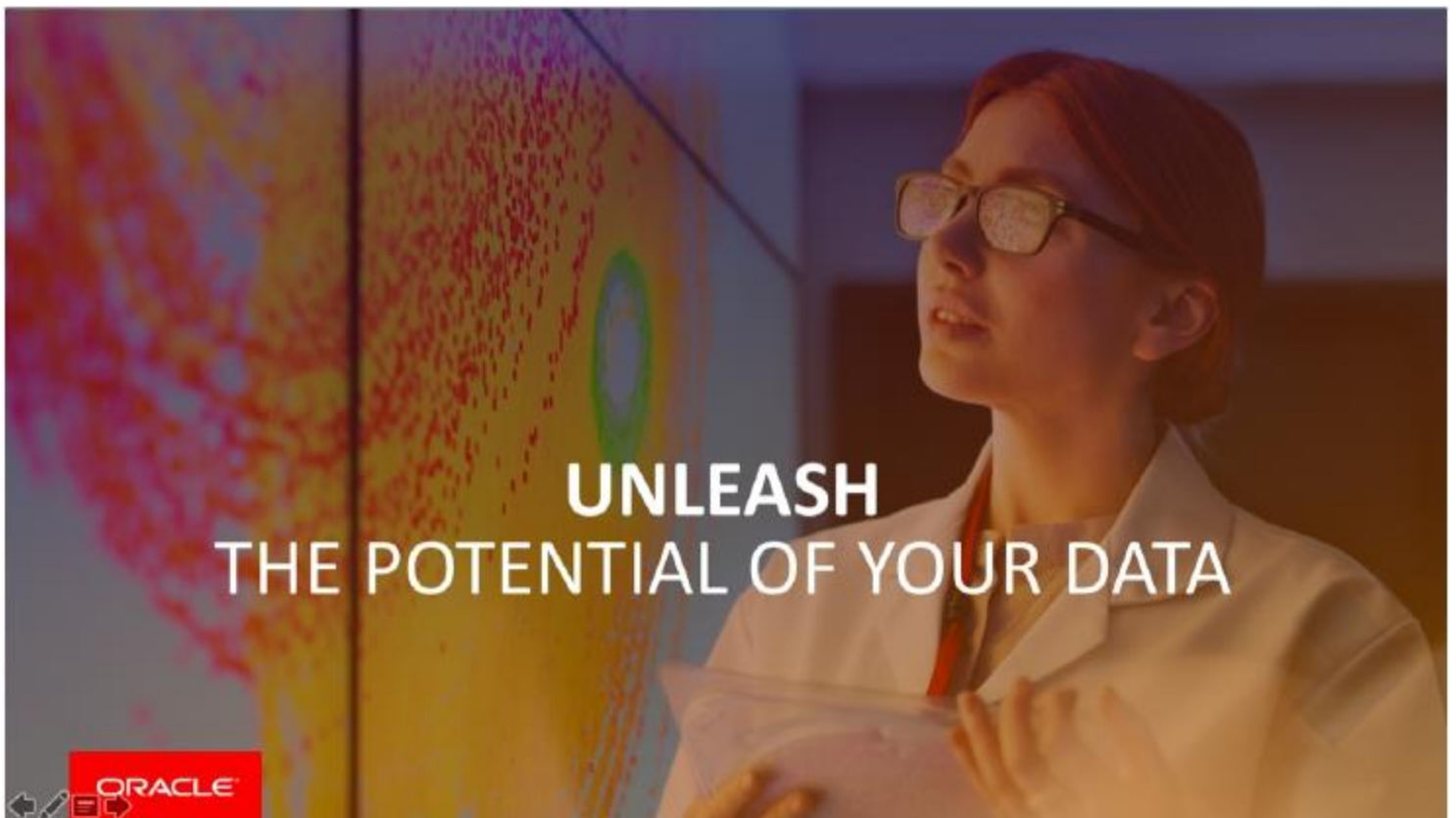Updated: October 27th, 2018

Workshop Introduction

Oracle Autonomous Data Warehouse Cloud provides an easy-to-use, fully autonomous database that scales elastically, delivers fast query performance and requires no database administration. You get the performance of the market-leading Oracle Database in a fully-managed environment that is tuned and optimized for data warehouse workloads.

Autonomous DW Cloud supports all standard SQL and busines intelligence (BI) tools and delivers scalable analytic query performance.

In this hands-on workshop you will get first-hand experience with Oracle's new Autonomous Data Warehouse Cloud.

Workshop Objectives

- Learn to provision a new ADWADW database and connect your favorite client tools.
- Query sample data sets and observe workload management capabilities when connecting to different database services provided by ADW.
- Load data and understand the methods to migrate existing databases and flat files to ADW, directly from on-premise systems or indirectly through Cloud Object Store services.
- Visualize the data using Oracle Data Visualization Desktop and Oracle's new notebook tool called Oracle
- Machine Learning Notebook. Observe how you can quickly build meaningful dashboards and perform machine learning with user-friendly interfaces.
- Learn to Manage and Monitor the service, and scale dynamically to experience the elasticity of ADW.

This is an instructor-led lab, please follow the guidance from the instructor before attempting the lab exercises.

Workshop Prerequisites

You will need SQL Developer installed on your computer to do the exercises in this lab. Follow these steps to install SQL Developer depending on your platform.

Windows 64-bit

 Install SQL Developer 18.1 using "Windows 64-bit with JDK 8 included" from the instructor USB drive or from this link,
http://www.oracle.com/technetwork/developer-tools/sql-developer/downloads/index.html
or
http://www.getresourceinc.com/adwprereq

For Other platforms

1. Install JDK 8u161 from this link,
   http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html
   or try
   https://www.oracle.com/technetwork/cn/java/javase/downloads/java-archive-javase8-2177648.html
2. Install SQL Developer 18.1 for your platform, from this link,
   http://www.oracle.com/technetwork/developer-tools/sql-developer/downloads/index.html
   or
   http://www.getresourceinc.com/adwprereq
3. You can install the Oracle DB Instant Client (need Basic Package and Tools Package). Here is the link for download: http://www.oracle.com/technetwork/topics/winx64soft-089540.html
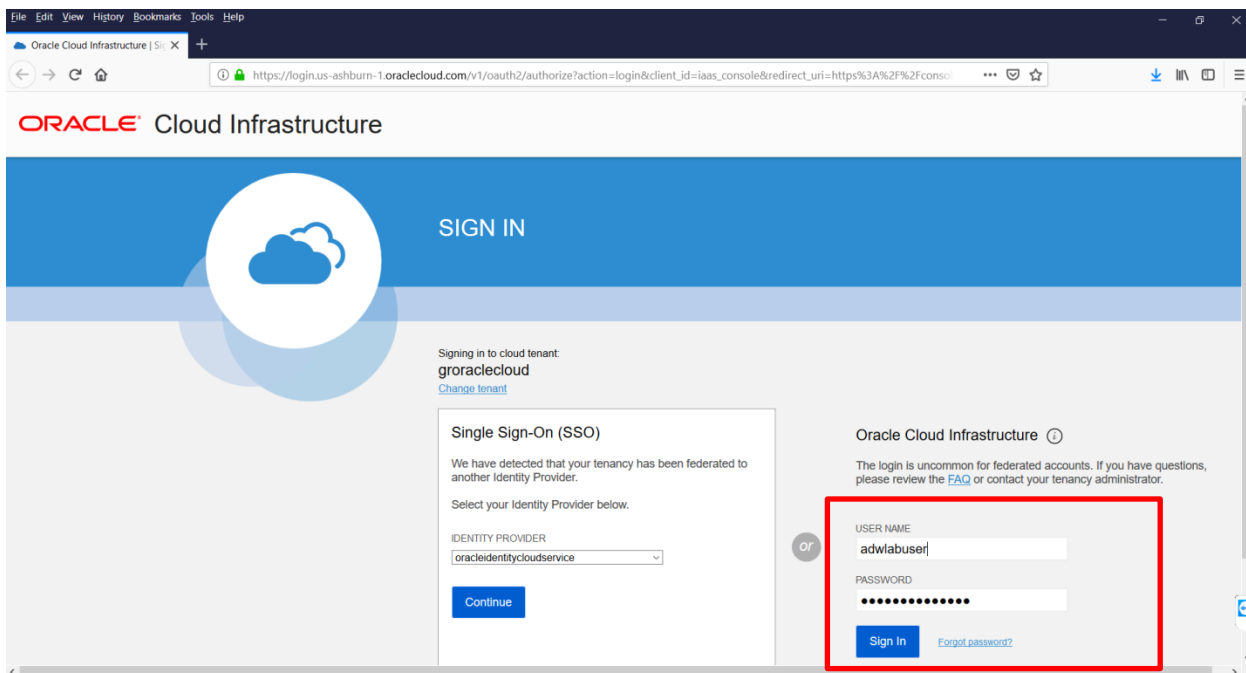
4. Download & Install Oracle Data Visualization Desktop version 12.2.4.3.0
http://www.getresourceinc.com/adwprereq

5. Download & Install putty from this link - https://www.putty.org/

Cloud Accounts

Obtain your access to the following Cloud Services and lab accounts. Your instructor will provide you this information.

ADW Cloud Account

- **URL** : https://console.us-ashburn-1.oraclecloud.com/
- **Cloud Account Name/Tenant** : groraclecloud
- **Username** : adwlabuser
- **Password** : <Instructor will provide you>

Change the Region to Phoenix