# Overview

This document logs the step-by-step operations while setting up OrientDB on CentOS

NOTE:

1. The version deployed on the current instances may not be up-to-date. Use the following tutorial may install a newer version, which, in the worst case, leads to version incompatibility with the other COTS or scripts. Please refer to the version # in the “Overview of the current infrastructure” and try to install the specified version.
2. Please refer to the “Dependencies” in the “Overview of the current infrastructure” to check any prerequisite for installation.

# Installation

1. Add a system user for orientDB

**sudo adduser orientdb**

**sudo passwd orientdb**

Set password to **expertsystem**

1. Modify the user

**sudo usermod -aG wheel orientdb**

1. From local machine, upload required packages to the server
   1. orientdb-community-2.2.20.tar.gz

For example:

**scp -i /path/to/USC-Jeff-Key.pem /path/to/required/packages centos@ec2-52-53-163-218.us-west-1.compute.amazonaws.com:~/**

1. Copy the package to orientdb home file and switch to user orientdb

**sudo cp ./orientdb-community-2.2.20.tar.gz /home/orientdb**

**su orientdb**

Enter the password **expertsystem**

1. Install OrientDB

**cd /home/orientdb**

**tar zxvf orientdb-community-2.2.20.tar.gz**

1. For security concern, change the port from 2480 to 2486

**vi /home/orientdb/orientdb-community-2.2.20/config/orientdb-client-config.xml**

Change port to 2486

1. Add a user

**vi /home/orientdb/orientdb-community-2.2.20/config/orientdb-client-config.xml**

Add the following user:

<user resources="\*" password="qmadmin" name="admin"/>

1. Modify the launch setting

**vi /home/orientdb/orientdb-community-2.2.20/bin/orientdb.sh**

Set the following value:

ORIENTDB\_DIR="/home/orientdb/orientdb-community-2.2.20/"

ORIENTDB\_USER="orientdb"

1. Launch orientDB

**sudo cp /home/orientdb/orientdb-community-2.2.20/bin/orientdb.sh /etc/init.d/orientdb**

**sudo service orientdb start**

1. Try to visit orientdb from a browser, for example

http://ec2-52-53-163-218.us-west-1.compute.amazonaws.com:2486/

With the Credential: admin(qmadmin)

# Data/Script Deployment

1. From local machine, upload required packages to the server
   1. Test.gz (“Data Backup” -> “Data from OrientDB”)
   2. QualityManagement.gz (“Data Backup” -> “Data from OrientDB”)

For example:

**scp -i /path/to/USC-Jeff-Key.pem /path/to/required/packages orientdb@ec2-52-53-163-218.us-west-1.compute.amazonaws.com:~/**

1. Extract data backup

**tar zxvf ./Test.gz**

**Tar zxvf ./QualityManagement.gz**

1. Open orientdb terminal

**su orientdb**

**cd ~/orientdb-community-2.2.20/bin**

**./console.sh**

1. Import to database

**IMPORT DATABASE /home/orientdb/Test -preserveClusterIDs=true**

**IMPORT DATABASE /home/orientdb/QualityManagement -preserveClusterIDs=true**