

ORACLE®

**JD EDWARDS
ENTERPRISEONE**

JDE Trial Edition on Oracle Cloud Infrastructure Workshop

JDE 9.2.4.3 – May 2020



JDE Trial Edition on Oracle Cloud Infrastructure Workshop

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JDE Trial Edition on Oracle Cloud Infrastructure Workshop

Workshop Objectives

This workshop will demonstrate how to deploy JD Edwards EnterpriseOne Release 9.2 Trial Edition to Oracle Cloud Infrastructure (OCI).

Upon completion of this workshop, you will have a working deployment of JD Edwards EnterpriseOne Trial Edition with Tools Release 9.2 and Applications Release 9.2 on fully functional suite servers deployed on a single Oracle Cloud Infrastructure Compute instance.

Trial Edition is for training and demonstration purposes only. It can be used to verify functionality and to investigate proofs of concept (POCs). The Trial Edition on OCI Compute contains only the Pristine (PS920) environment, which is one of the four standard JD Edwards EnterpriseOne environments.

In this workshop, you will:

- Request and Obtain a Trial OCI Subscription
- Generate SSH Key for OCI Connection
- Deploy the JDE Trial Edition to OCI
- Configure JDE Trial Edition
- Sign in to JDE Trial Edition

Duration: 2 hours (additional time may be needed for first-time users)

Prerequisites:

- Oracle Cloud Infrastructure supports the latest versions of **Google Chrome** and **Firefox**. Firefox is preferred.
- Valid email address.
- Credit Card. **YOU WILL NOT BE CHARGED.**
- Mobile Phone. Oracle will send you an SMS based text message for verification purposes.
- For Windows users only. A Windows SSH utility is required to generate SSH key pairs on the client machine and to connect to the Linux based server using Secure Shell (SSH). We suggest either you either download and install the PuTTY tool (<http://www.putty.org>), or Git BASH (<https://gitforwindows.org/>). Installation instructions are included in this document.

JDE Trial Edition on Oracle Cloud Infrastructure Overview

JD Edwards EnterpriseOne is a comprehensive suite of integrated global business applications. The machine image provided by Oracle allows organizations to create a trial instance of JD Edwards EnterpriseOne Release 9.2 in the Oracle Compute Cloud. This 'All-in-One' Demo/Sandbox image enables customers to explore new functionality in JD Edwards EnterpriseOne Applications Release 9.2 & Tools Release 9.2.4.3 without installing JD Edwards EnterpriseOne in their data centers. New functionality may include:

- New industry modules
- One View Financial Statements
- Internet of Things Orchestrator
- UX One Content and Foundation

Mobile and other latest application enhancements Before You Begin

- It is desirable to have a fundamental understanding of the Oracle Cloud Infrastructure.
- It is highly recommended that you review the extensive collateral information, including training, at these sites:
 - [Oracle Cloud Infrastructure](#)
 - [LearnJDE](#)
- You must have sufficient resources in Oracle Cloud Infrastructure to install and run JD Edwards EnterpriseOne Trial Edition.
- Minimum Shape: VMStandard2.2 (2 OCPUs and 30 GB memory)
- Recommended Shape: VMStandard2.4 (4 OCPUs and 30 GB memory)
- Boot Volume Storage of 100 GB

LAB 1: Preparation for JDE Trial Edition Provisioning

This lab describes how to prepare for provisioning a JD Edwards EnterpriseOne Trial instance in OCI.

Time to Complete

20-30 minutes

Scenario

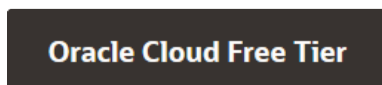
As a customer or a partner, it is necessary to establish a JD Edwards EnterpriseOne environment for proofs of concept, training, or demonstration purposes. There is no easier way to do so than in the Oracle Cloud Infrastructure (OCI).

Exercise 1: Request an OCI Subscription

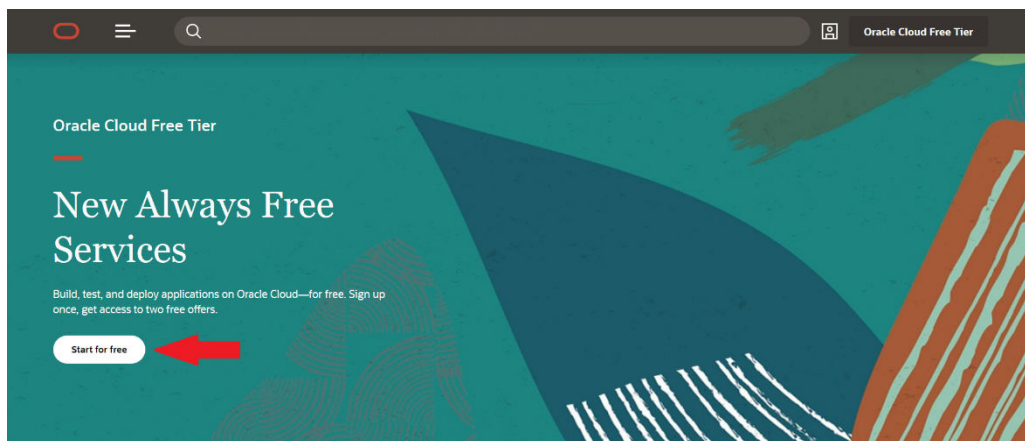
Begin by requesting an account on Oracle Cloud Infrastructure (OCI).

NOTE: The procedure for this might be slightly different from the steps outlined in this section due to ever-changing Oracle Cloud Infrastructure user interface and policies.

- b) Go to the [Oracle](https://www.oracle.com) website (<https://www.oracle.com>) and click the **Oracle Cloud Free Tier** button at the top right corner.



- c) Next, click on the **Start for Free** button on the left lower side of the page.



Enter your email address and click the **Next** button.

NOTE: If you have ever previously signed up for a free trial of Oracle Cloud prior to our “Always Free Services”, please create a new account by selecting a different email address.

d) Enter Account details as follows:

i. **Account Type:** Select **Personal Use**.

ii. **Cloud Account Name:** Unique name for your cloud account. It is recommended to use your name or company name. For example: **oraclejdetrial**

iii. **Home Region:** From the drop-down list, you would typically select one of the available regions where Oracle maintains a cloud data center. For the purposes of this lab, please select **US East (Ashburn)**:

Home Region *

US East (Ashburn)

North America

US East (Ashburn)

US West (Phoenix)

Canada Southeast (Toronto)

Europe

Germany Central (Frankfurt)

UK South (London)

NOTE: These are the regions available to date. This list is subject to change as more regions become available. Generally, you would pick the closest available region to your home location.

- iv. **First Name and Last Name:** Your first and last names.

First Name *

JDE

Last Name *

JDE

- v. **Address:** Your address.

Address *

One Technology Way

- vi. **City:** Your city.

City *

Denver

- vii. **State and Zip/Postal Code:** Your state and Zip/postal code.

State *

Colorado

Zip/Postal Code *

80237

- viii. **Country:** Your country (it should default from the previous screen.)

Country/Territory

United States

- ix. **Contact Phone Number:** Enter a mobile telephone number with a country code.

NOTE: It is very important that you enter a valid mobile number, as this will be used to verify your cloud account.

Contact Phone Number *

United States (1)

(303) 334-4000



- x. Click the **Next: Verify Mobile Number** button.

Next: Verify Mobile Number

- xi. A text message with a mobile verification code was sent to the mobile number you just provided. Please enter that code and click **Verify Code**.

Verify Your Mobile Number

[Cancel](#)

Verify the code which we have sent to mobile number *****4834.

Code *

Verify Code

[Resend Code](#)



If you don't receive the mobile verification code in **01:55** minutes, then you may request another code.

Need help? Contact [Chat Support](#)

- xii. Create an account password.

Enter Password

Password *

Confirm Password *

- ✓ The password must have at least 12 characters.
- ✓ The password cannot exceed 40 characters.
- ✓ The password cannot contain the First Name of the user.
- ✓ The password cannot contain the Last Name of the user.
- ✓ The password cannot contain the email address.
- ✓ The password must have at least 1 lowercase character.
- ✓ The password must have at least 1 uppercase character.
- ✓ The password must have at least 1 numeric character.
- ✓ The password must have at least 1 special character.

Next: Payment Information

Need help? Contact [Chat Support](#)

- xiii. Enter your credit card information, if asked. **Nothing will be charged** unless the account is upgraded to a paid account.

Note: You may see a nominal charge on your credit card statement. This is a verification hold and it is reversed after the credit card and billing address are validated.

Payment Information

You won't be charged unless you elect to upgrade the account.

You may see a small, temporary charge on your payment method. This is a verification hold that will be removed automatically. See the [FAQ](#) for more information.

Oracle uses third-party payment processor CyberSource for Oracle Store payment processing. CyberSource will request and collect certain information as part of the payment processing. Please refer to CyberSource's privacy statement at: <http://www.cybersource.com/privacy> for the terms applicable to the data collected.

Add Credit Card Details

Need help? Contact [Chat Support](#)

- e) Enter your billing information. Your Billing Information will be pre-loaded based on information you previously supplied. If your billing information is different, then please edit as necessary. Then scroll down to enter your Credit Card Details. Once complete, click **Finish**.

Payment Details

Card Type *

☐ Visa

☐ Mastercard

☐ Amex

☐ Discover

☐ Diners

Card Number *

Expiration Date *

CVN *

This code is a three or four digit number printed on the back or front of credit cards.

Finish

Scroll down to enter the credit card information and then click **Complete Sign-Up** to submit the request for a new Oracle Cloud account.

Payment Information

You won't be charged unless you elect to upgrade the account.

You may see a small, temporary charge on your payment method. This is a verification hold that will be removed automatically. See the [FAQ](#) for more information.

Oracle uses third-party payment processor CyberSource for Oracle Store payment processing. CyberSource will request and collect certain information as part of the payment processing. Please refer to CyberSource's privacy statement at: <http://www.cybersource.com/privacy> for the terms applicable to the data collected.

Thank you for providing your credit card details.

Number *

Expiration *

Edit Payment Method

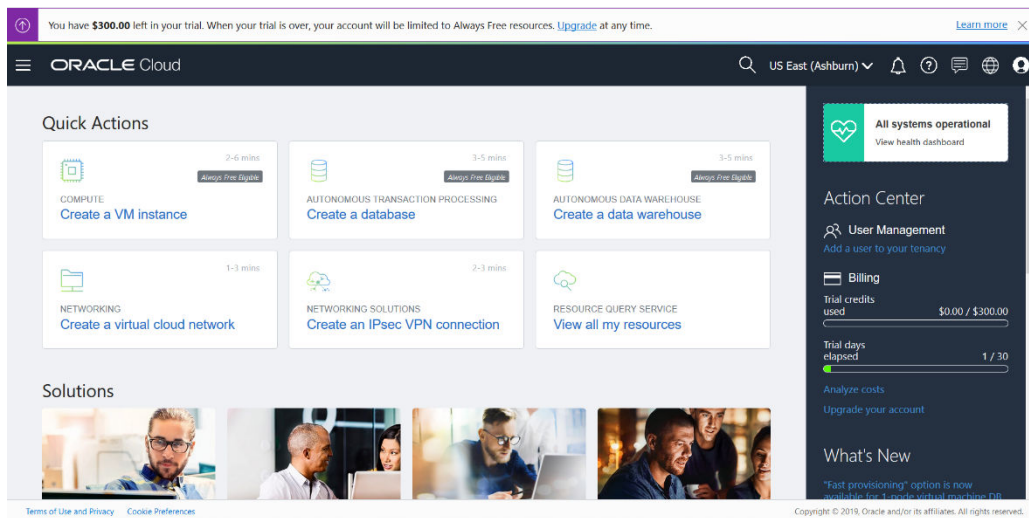
☒ By clicking **Complete**, I agree to the terms and conditions of the [Oracle Cloud Services Agreement V012418 for Oracle America, Inc.](#), (also available [here](#)) and this order including Service Description for Free Oracle Cloud Promotion Universal Credits - Part Number B88385.

Complete Sign-Up

Need help? Contact [Chat Support](#)

It may take up to 15 minutes to create the account. Check for a “*Get Started Now with Oracle Cloud*” email at the email address that you provided for account details. This email will provide sign-in credentials for My Services.

The Oracle Cloud login page should have automatically loaded in your browser. If not, you can click on the [Sign In to Oracle Cloud](#) button in the Welcome email.



Exercise 2: Generate a Secure Shell (SSH) Key Pair

Secure Shell (SSH) provides an encrypted login method a Linux instance or machine and it is required to be generated and uploaded to access any instances created in OCI.

NOTE: If you have a previously generated key available, you can use that key and skip this exercise.

FOR MAC/LINUX

- a) Generate ssh-keys for your machine if you don't have one. If an id_rsa and id_rsa.pub key pair is present, they can be reused. By default, these are stored in ~/.ssh folder. Enter the following command if you are using MAC or Linux Desktop: # ssh-keygen

Make sure permissions are restricted, sometimes ssh will fail if private keys have permissive permissions.

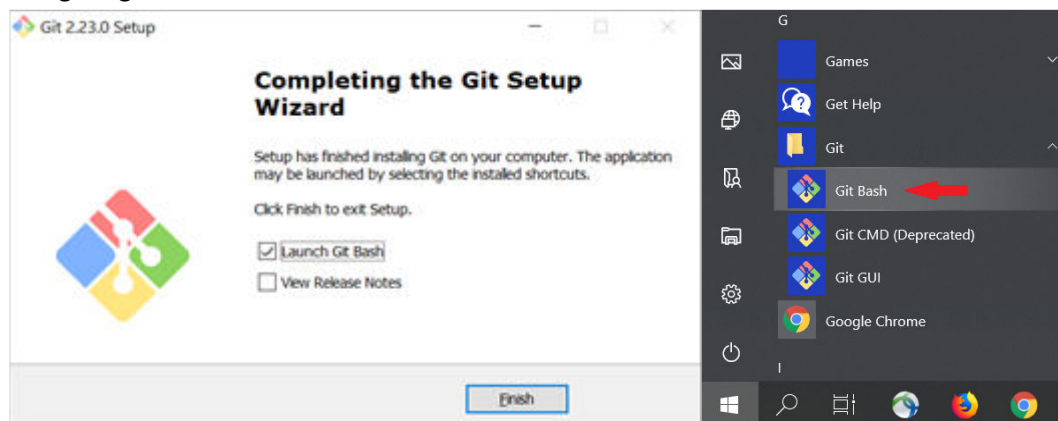
```
# chmod 0700 ~/.ssh
# chmod 0600 ~/.ssh/id_rsa
# chmod 0644 ~/.ssh/id_rsa.pub
```

FOR WINDOWS

There are many tools available for Windows users to create SSH key pairs and connect to a Linux server. In this guide, we provide instructions for both Git Bash and Putty, but you only need to follow the steps below for *either* Git Bash *OR* Putty, not both.

Git Bash:

- a) Install Git for windows if not already Installed. Download the latest release of [Git for Windows](#) and install accepting all the default settings.
- b) Open Git Bash by either checking the **Launch Git Bash** option in the installer OR by navigating to it from the Windows Start Menu:



- c) Generate ssh-keys by running this command in Git Bash and hit “Enter” for all steps:

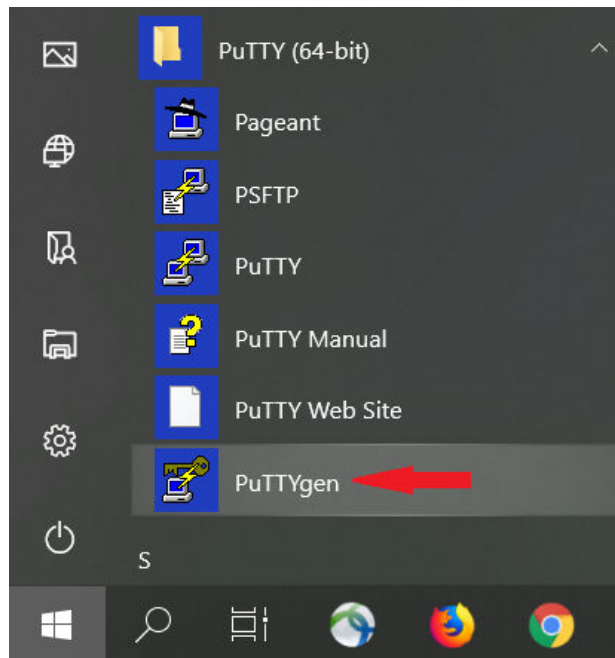
```
ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key
(/c/Users/username/.ssh/id_rsa):
Created directory '/c/Users/username/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/username/.ssh/id_rsa.
Your public key has been saved in /c/Users/username/.ssh/id_rsa.pub.
```

Note:

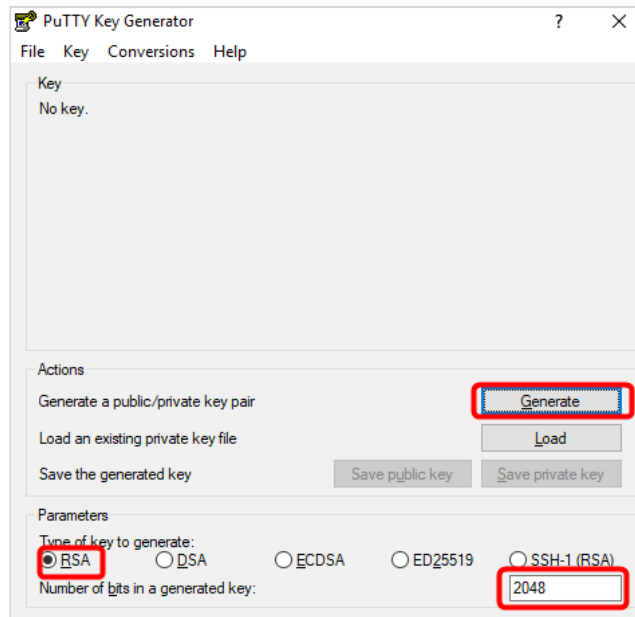
- In Git Bash, C:\Users\username\ is shown as /c/Users/username/
- These instructions will create a minimally secure ssh key for you (and one well suited for this tutorial). For production environments we recommend an SSH-2 RSA key with 4096 bits and a passphrase. For example: `ssh-keygen -t rsa -b 4096 -N "<myPassphrase>" -f ~/keys/id_rsa -C "This is my comment"`

Puttygen

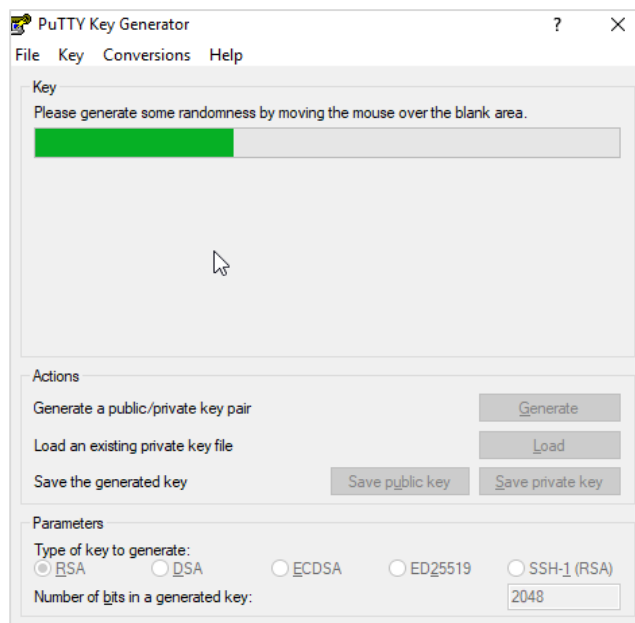
- a) Install Puttygen (PUTTY) for Windows if not already installed. Download the latest release of [PuTTY](#), 64-bit MSI Installer and install accepting all the default settings.
- b) Open PuTTY Gen:



- c) In the PuTTY Key Generator, ensure that the **Type of key to generate** is set to **RSA** and the **Number of bits in a generated key** is set to **2048**, and then click the **Generate** button.

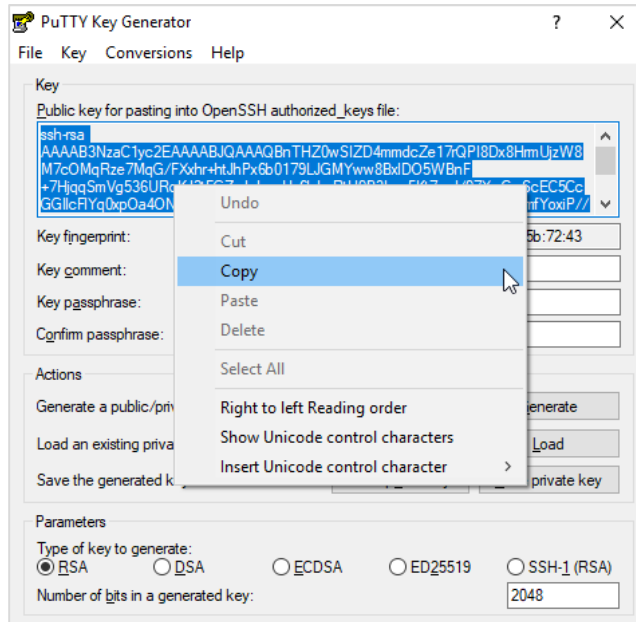


- d) After clicking the **Generate** button, move the mouse around the blank area to generate randomness for the SSH key to be generated.

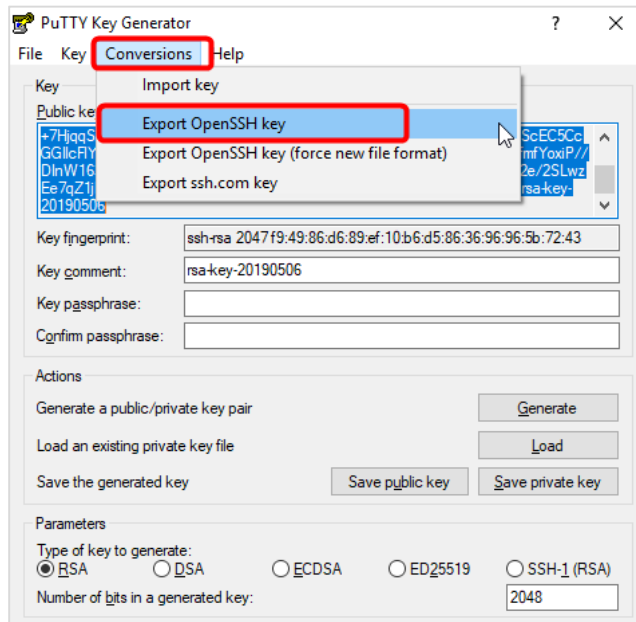


- e) In the PuTTY Key Generator dialog, select all the characters in the **Public key for pasting into OpenSSH authorized_keys file** field, and then right-click and select **Copy**.

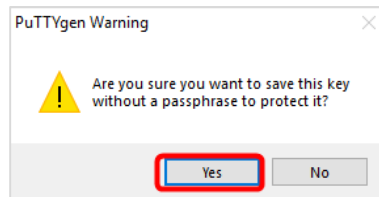
Note: Ensure that you select all the characters and not just the ones shown in the narrow window. Scroll down as necessary.



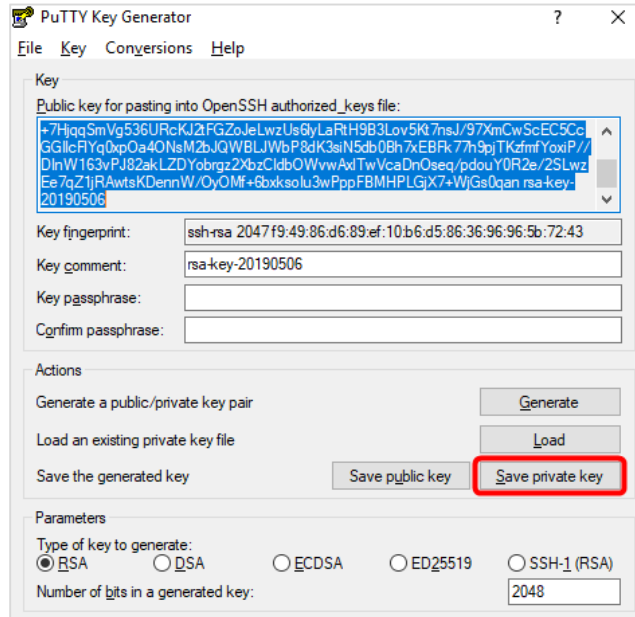
- f) Paste the copied string into a plain text editor (such as Notepad) and save the plain text file. Save it to a known location with any file name but ensure that it has the extension **.pub** (example: OCISSHKey.pub) to indicate that it is a public key. Make note of this file name as you will need it later.
- g) Next, save the OpenSSH private key. In the same PuTTY Key Generator window, from the **Conversions** menu, select the **Export OpenSSH key** option.



- h) PuTTYgen will ask you to verify that the key will be saved without a passphrase. Click the **Yes** button.



- i) Again, save the file to the same known location with any file name but ensure that the file has **NO extension** on it (example: OCISSHKey). Make note of this file name as you will need it later.
- j) Save the Windows private key. In the same PuTTY Key Generator window, click the **Save private key** button.



- k) Again, click the **Yes** button to verify saving the key without a passphrase.
- l) Save this file to the same known location with any file name and a .ppk extension (example: OCISSHKey.ppk).

Summary

At this point, everything is allocated and generated to start creating instances in Oracle Cloud Infrastructure.

LAB 2: Set Up OCI for JDE Trial Edition Deployment

In this lab, the recently provisioned OCI Trial tenancy will be set up for JDE Trial Edition deployment.

Time to Complete

10 minutes

Scenario

To establish proper access to a JDE Trial Edition, the OCI tenancy needs to be set up.

To set up OCI tenancy, in this lab, you will:


- Create a Compartment
- Create a Virtual Cloud Network (VCN)
- Establish Security List Rules for JDE

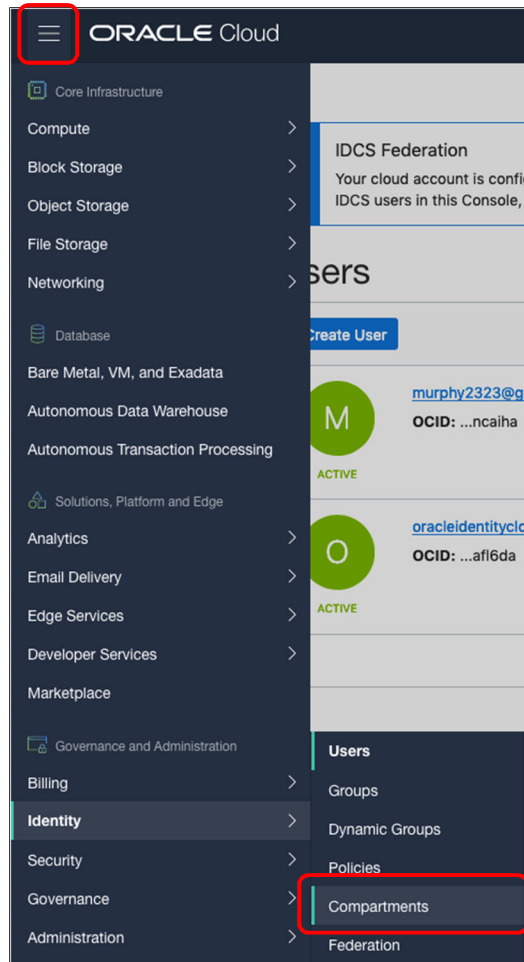
Exercise 1: Create a Compartment

In this part of the lab, we create a compartment to organize the resources we will create.

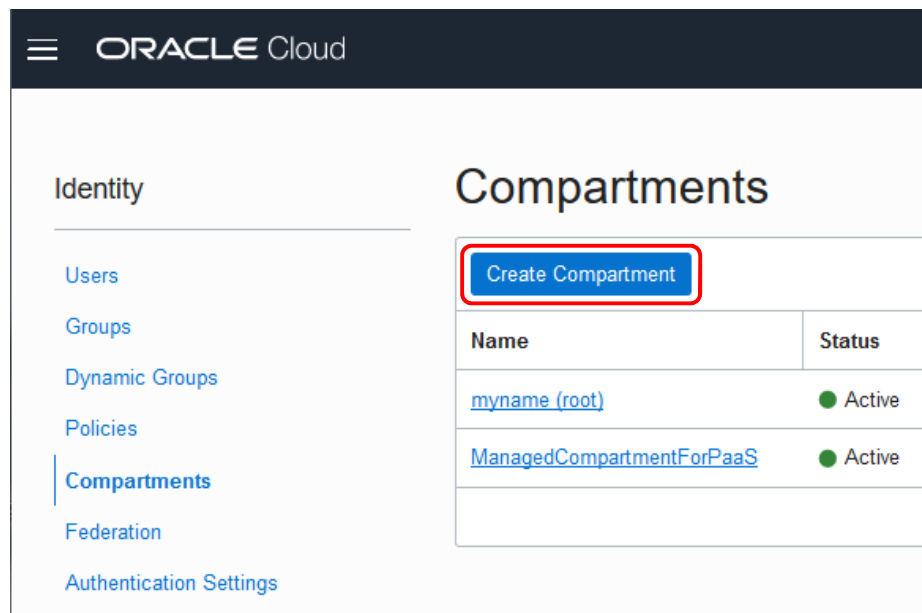
Compartments are the primary building blocks you use to organize your cloud resources. You use compartments to organize and isolate your resources to make it easier to manage and secure access to them.

When your tenancy is provisioned, a root compartment is created for you. Your root compartment holds *all* your cloud resources.

- a) Please log into to your OCI tenancy, if you are not already signed in. <https://console.us-ashburn-1.oraclecloud.com/>
- b) On the Oracle Cloud Infrastructure Console Home page, click the **Navigation Menu**  in the upper-left corner, select **Identity**, and then select the **Compartments** option.



c) Click the **Create Compartment** button



- d) Choose a Name (e.g. **“TestDrive”**), fill out the form and click the **Create Compartment** button.

Note: that the parent compartment should be the root compartment.

Create Compartment

[help](#) [cancel](#)

NAME

TestDrive

DESCRIPTION

Test Drive of OCI

PARENT COMPARTMENT

myname (root)

Tagging is a metadata system that allows you to organize and track resources within your tenancy. Tags are composed of keys and values that can be attached to resources.

[Learn more about tagging](#)

TAG NAMESPACE

None (add a free-form t...

TAG KEY

VALUE

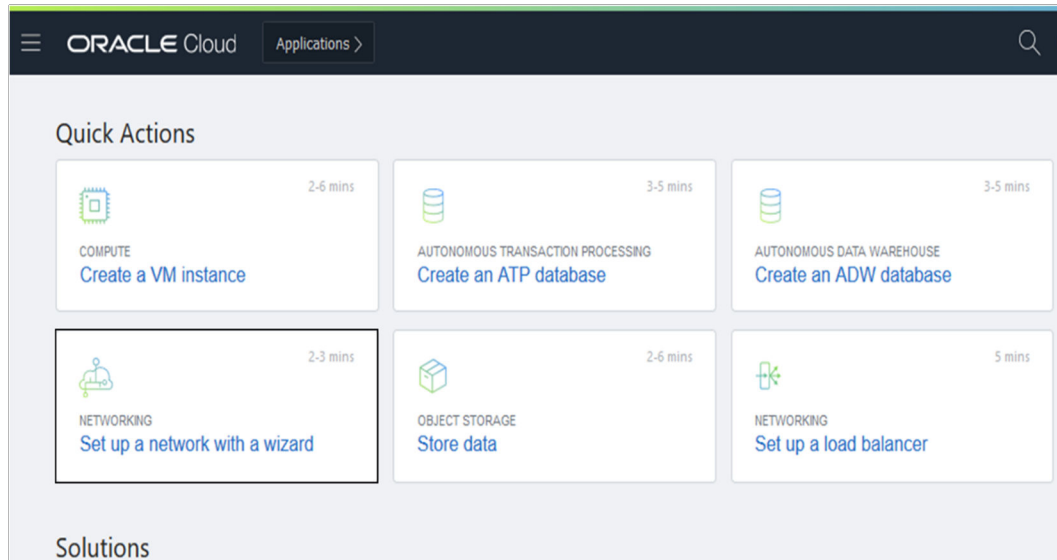
+ Additional Tag

Create Compartment

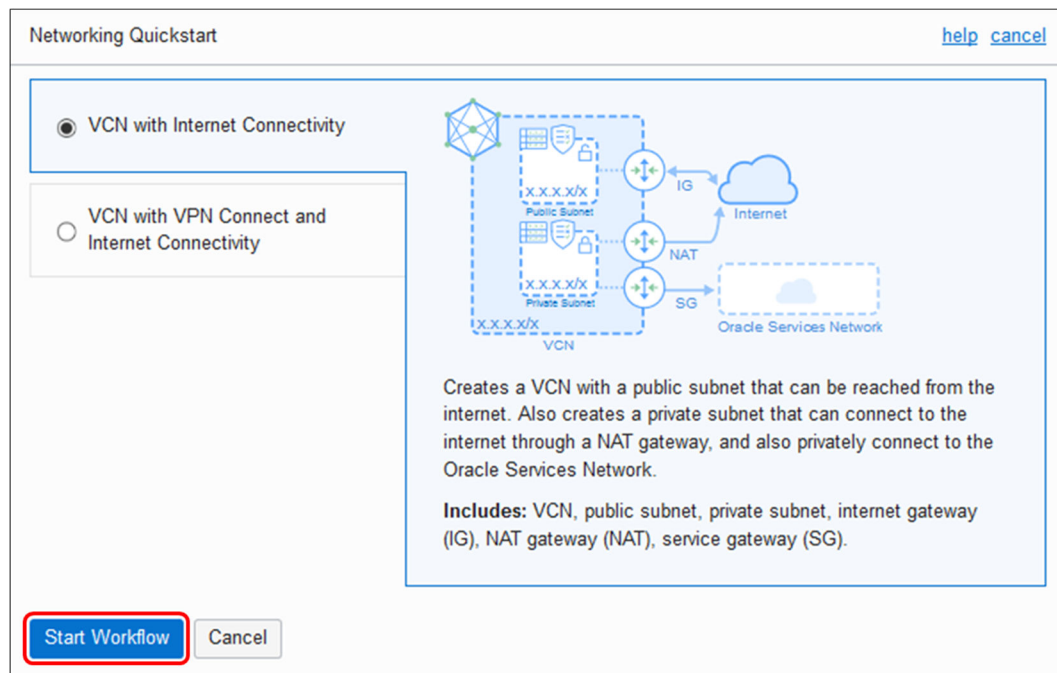
Exercise 2: Create a Virtual Cloud Network (VCN)

To create a VCN on Oracle Cloud Infrastructure:

- a) On the Oracle Cloud Infrastructure Console Home page, under the Quick Actions header, click on **Set up a network with a wizard**.



- b) Select **VCN with Internet Connectivity**, and then click **Start Workflow**.



Networking Quickstart
[help](#)
[cancel](#)

☒ VCN with Internet Connectivity

☐ VCN with VPN Connect and Internet Connectivity

Creates a VCN with a public subnet that can be reached from the internet. Also creates a private subnet that can connect to the internet through a NAT gateway, and also privately connect to the Oracle Services Network.

Includes: VCN, public subnet, private subnet, internet gateway (IG), NAT gateway (NAT), service gateway (SG).

Start Workflow

Cancel

c) Complete the following fields:

Field	Value
VCN NAME	TestDriveVCN or any other unique name for the VCN
COMPARTMENT	TestDrive or any other compartment previously created
VCN CIDR BLOCK	10.0.0.0/16
PUBLIC SUBNET CIDR BLOCK	10.0.2.0/24
PRIVATE SUBNET CIDR BLOCK	10.0.1.0/24
USE DNS HOSTNAMES IN THIS VCN	Checked

Then, scroll down to the bottom and click the **Next** button.

ORACLE Cloud Applications > US East (Ashburn) Help

Create a VCN with Internet Connectivity

1 Configuration 2 Review and Create

Configuration

Basic Information

VCN NAME *(i)*

COMPARTMENT *(i)*

cravenatoptho004 (root)/TestDrive

Configure VCN and Subnets

VCN CIDR BLOCK *(i)*

Example: 10.0.0.0/16
 If you plan to peer this VCN with another VCN, the VCNs must not have overlapping CIDRs. [Learn more.](#)

PUBLIC SUBNET CIDR BLOCK *(i)*

Example: 10.0.0.0/24
 The subnet CIDR blocks must not overlap.

PRIVATE SUBNET CIDR BLOCK *(i)*

Example: 10.0.1.0/24
 The subnet CIDR blocks must not overlap.

DNS RESOLUTION
☒ USE DNS HOSTNAMES IN THIS VCN
Required for instance hostname assignment if you plan to use VCN DNS or a third-party DNS. This choice cannot be changed after the VCN is created. [Learn more.](#)

VCN with Internet Connectivity

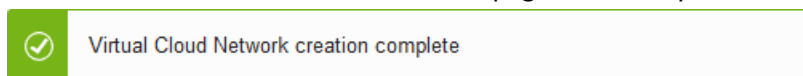
Includes:

- VCN
- Public subnet
- Private subnet
- Internet gateway (IG)
- NAT gateway (NAT)
- Service gateway (SG)

Previous Next Cancel

d) On the “Review and Create” page, click on the **Create** button.

e) On the “Created Virtual Cloud Network” page wait until you see the following graphic.



Then click on **View Virtual Cloud Network**.

Exercise 3: Establish Security List Rules for JDE

With the VCN in place, define the open inbound and outbound ports that will be available to instances created within the VCN.

- a) From the details page of the TestDriveVCN, under the **Resources** section in the left pane, select **Security Lists**.

The screenshot shows the Oracle Cloud console for the TestDriveVCN. The left sidebar has a 'Resources' section with 'Security Lists (2)' highlighted. The main content area shows VCN information and a table of subnets.

VCN Information

CIDR Block: 10.0.0.0/16	OCID: ...tj2s7q Show Copy
Compartment: TestDrive	Default Route Table: Default Route Table for TestDriveVCN
Created: Mon, Jan 6, 2020, 18:20:01 UTC	DNS Domain Name: testdrivevcn.oraclecloud.com

Subnets in TestDrive Compartment

Name	State	CIDR Block	Subnet Access	Created
Private Subnet-TestDriveVCN	Available	10.0.1.0/24	Private (Regional)	Mon, Jan 6, 2020, 18:20:02 UTC
Public Subnet-TestDriveVCN	Available	10.0.2.0/24	Public (Regional)	Mon, Jan 6, 2020, 18:20:02 UTC

- b) In the Security Lists section, click the **Default Security List for TestDriveVCN** link.

The screenshot shows the Oracle Cloud console for the TestDriveVCN Security Lists. The left sidebar has a 'Resources' section with 'Security Lists (2)' highlighted. The main content area shows a table of security lists.

Security Lists in TestDrive Compartment

Name	State	Created
Security List for Private Subnet-TestDriveVCN	Available	Mon, Jan 6, 2020, 18:20:01 UTC
Default Security List for TestDriveVCN	Available	Mon, Jan 6, 2020, 18:20:01 UTC

- c) On Default Security List, under Resources, click the **Add Ingress Rules** button.

d) Add Ingress rules as follows for the port/ranges listed in the table below:

Stateless	Source Type	Source CIDR	IP Protocol	Source Port Range	Destination Port
Unchecked	CIDR	0.0.0.0/0	TCP	ALL	443
Unchecked	CIDR	0.0.0.0/0	TCP	ALL	7000-7006
Unchecked	CIDR	0.0.0.0/0	TCP	ALL	7072-7077
Unchecked	CIDR	0.0.0.0/0	TCP	ALL	8080
Unchecked	CIDR	0.0.0.0/0	TCP	ALL	9703-9705

Within the interface, click the **+ Additional Ingress Rules** button to add new rows. Click the

Add Ingress Rules

button when complete.

The screenshot shows the 'Add Ingress Rules' interface. At the top, it says 'Ingress Rule 1' and 'Allows TCP traffic 443 HTTPS'. Below this, there are several fields:

- STATELESS:** A checkbox that is unchecked, with a red box around it.
- SOURCE TYPE:** A dropdown menu set to 'CIDR', with a red box around it.
- SOURCE CIDR:** A text field containing '0.0.0.0/0', with a red box around it.
- IP PROTOCOL:** A dropdown menu set to 'TCP', with a red box around it.
- SOURCE PORT RANGE:** A dropdown menu set to 'All', with a red box around it.
- DESTINATION PORT RANGE:** A text field containing '443', with a red box around it.

 At the bottom, there are two buttons: 'Add Ingress Rules' (in blue) and 'Cancel'. There is also a '+ Additional Ingress Rule' button on the right side.

These Ingress Rules will be sufficient to allow the network traffic required for JDE Trial Edition.

Summary

In this lab, OCI has been set up for the networking required to be able to access a JDE Trial Edition that will be created in the next lab.

LAB 3: Creating a Trial Edition Instance in OCI

In this lab, a JDE Trial Edition will be created in OCI.

Time to Complete

40 minutes

Scenario

JDE Trial Edition will be deployed to the OCI tenancy.


To deploy JDE Trial Edition, in this lab, you will:

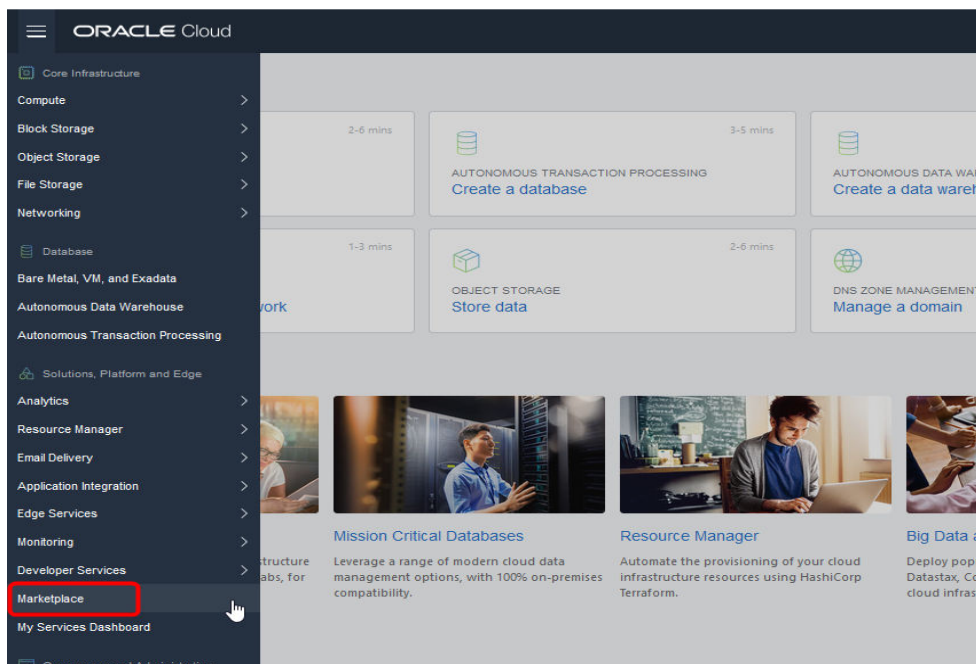
- Provision Trial Edition from OCI Marketplace
- Set up PuTTY to Access OCI Instance
- Perform First-Time Configuration of Trial Edition
- Connect to JDE Resources

Exercise 1: Provision Trial Edition from OCI Marketplace

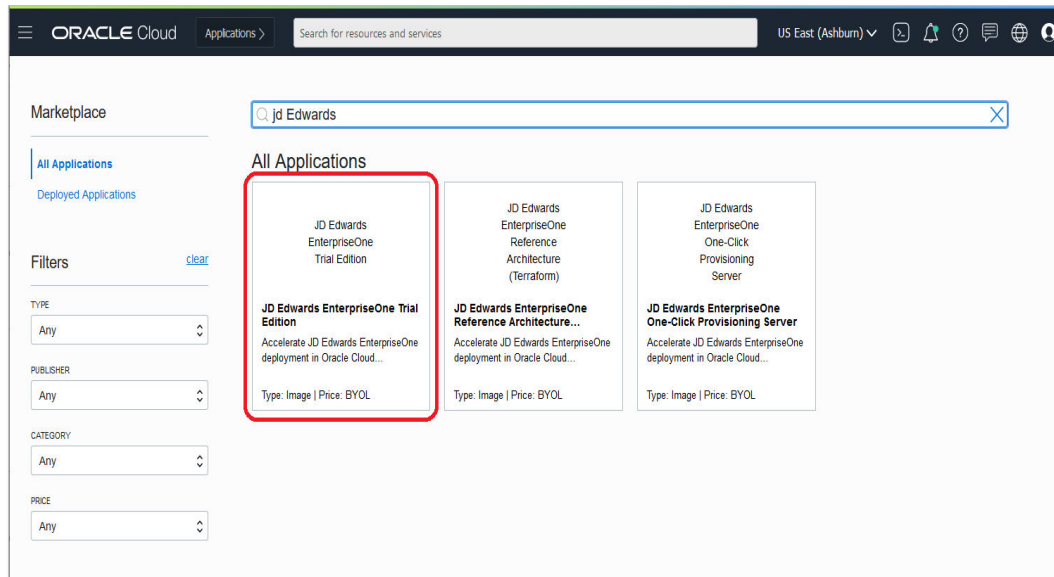
Create an instance in OCI that is based off the JDE Trial Edition image.

- a) If not already done, sign in to OCI tenancy.

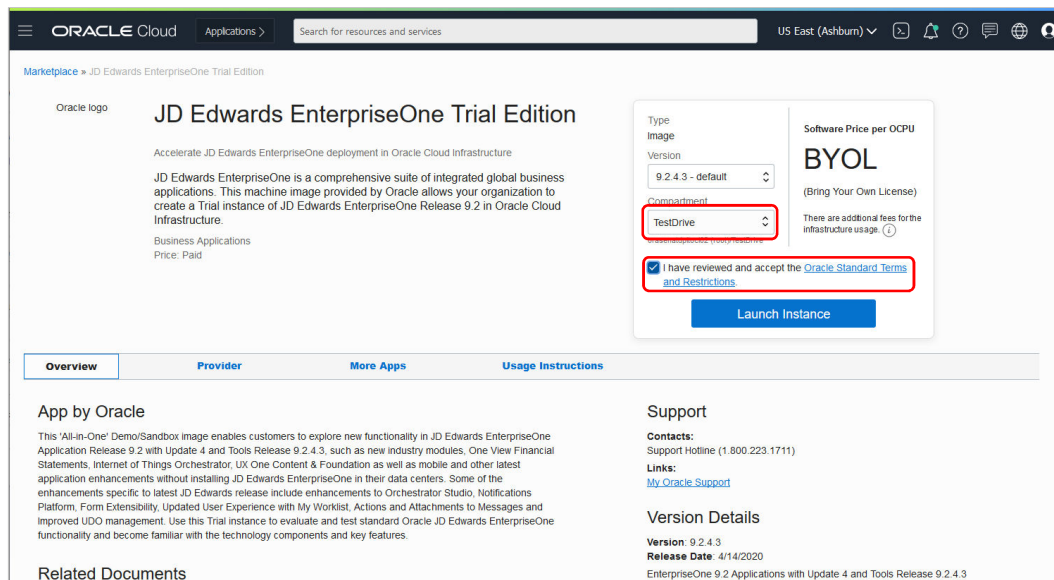
On the Oracle Cloud Infrastructure Console Home page, click the **Navigation Menu**  in the upper-left corner and select **Marketplace**.



Locate the Oracle JD Edwards image tile for **JD Edwards EnterpriseOne Trial Edition** (you might have to search for it; there could be several images out there) and click the tile.

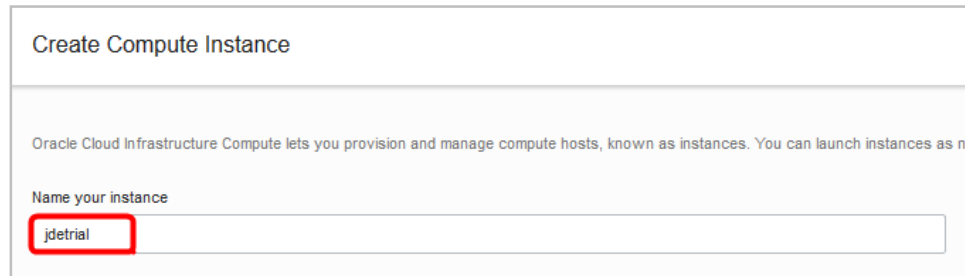


On the information page for the JD Edwards EnterpriseOne Trial Edition image, select the version (**9.2.4.3 – default**) to deploy and the compartment (you created a compartment in Lab 2, Exercise 1, Step d) to deploy to. Select the check box to accept the Oracle Standard Terms and Restrictions and then click the **Launch Instance** button on the right.



Define the instance with the following options:

- i. Instance Name: **jdetrtrial**



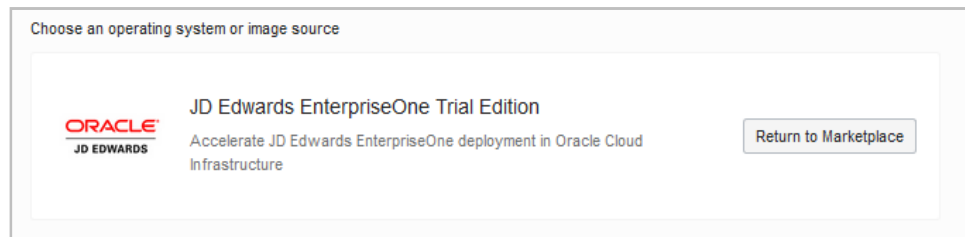
Create Compute Instance

Oracle Cloud Infrastructure Compute lets you provision and manage compute hosts, known as instances. You can launch instances as new or existing.

Name your instance

jdetrtrial

- ii. Operating System or Image Source: leave **JD Edwards EnterpriseOne Trial Edition** selected.



Choose an operating system or image source

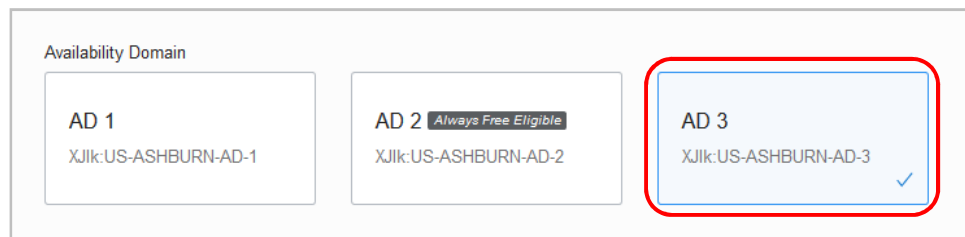
ORACLE
JD EDWARDS

JD Edwards EnterpriseOne Trial Edition

Accelerate JD Edwards EnterpriseOne deployment in Oracle Cloud Infrastructure

Return to Marketplace

- iii. If the following is not visible on your screen, click on **Show Shape, Network and Storage Options**, then Select Availability Domain: **AD3**



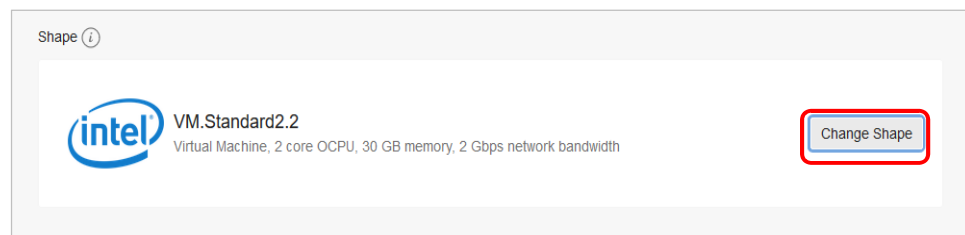
Availability Domain

AD 1
XJlk:US-ASHBURN-AD-1

AD 2 Always Free Eligible
XJlk:US-ASHBURN-AD-2

AD 3
XJlk:US-ASHBURN-AD-3

- iv. Instance Shape: click on **Change Shape**



Shape ⓘ

intel VM.Standard2.2
Virtual Machine, 2 core OCPU, 30 GB memory, 2 Gbps network bandwidth

Change Shape

Select **Virtual Machine**, then select a shape. For the purposes of this lab, select either an Intel Skylake **VM.Standard2.2** shape, or under the Specialty and Legacy series, select the **VM.Standard.E2.2** shape.

Browse All Shapes

A shape is a template that determines the number of CPUs, amount of memory, and other resources allocated to a newly created instance. See [Compute Shapes](#) for more information.

Instance type

Virtual Machine
A virtual machine is an independent computing environment that runs on top of physical bare metal hardware. ✓

Bare Metal Machine
A bare metal compute instance gives you dedicated physical server access for highest performance and strong isolation.

Shape series

AMD Rome
 Customizable OCPU count. For general purpose workloads.

Intel Skylake
 Fixed OCPU count. Latest generation Intel Standard shapes. ✓

Specialty and Legacy
Earlier generation AMD and Intel Standard shapes. Always Free, Dense I/O, GPU, and HPC shapes.

Shape Name	OCPU	Memory (GB)	Local Disk	Network Bandwidth (Gbps)	Max. Total VNICS
<input type="checkbox"/> VM.Standard2.1	1	15	Block Storage Only	1	2
<input checked="" type="checkbox"/> VM.Standard2.2	2	30	Block Storage Only	2	2
<input type="checkbox"/> VM.Standard2.4	4	60	Block Storage Only	4.1	4
<input type="checkbox"/> VM.Standard2.8	8	120	Block Storage Only	8.2	8
<input type="checkbox"/> VM.Standard2.16	16	240	Block Storage Only	16.4	16

Select Shape Cancel

- v. **Configure Networking:** This will be populated by default, but review and confirm the VCN, compartment, and subnet. Ensure that the **Assign a public IP address** radio button is selected.

Configure networking

VIRTUAL CLOUD NETWORK COMPARTMENT

TestDrive
oraseatdploc02 (root)/TestDrive

VIRTUAL CLOUD NETWORK

TestDriveVCN

SUBNET COMPARTMENT

TestDrive
oraseatdploc02 (root)/TestDrive

SUBNET ⓘ

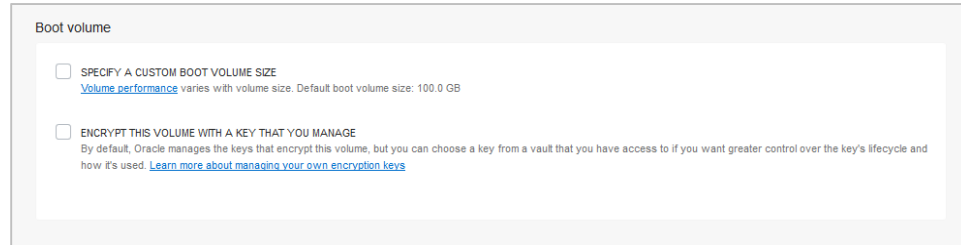
Public Subnet-TestDriveVCN (Regional)

☐ USE NETWORK SECURITY GROUPS TO CONTROL TRAFFIC ⓘ

☒ ASSIGN A PUBLIC IP ADDRESS ☐ DO NOT ASSIGN A PUBLIC IP ADDRESS

ⓘ Assigning a public IP address makes this instance accessible from the internet. If you're not sure whether you need a public IP address, you can always assign one later.

- vi. Configure Boot Volume: The default boot size of 100GB will be sufficient for this lab.

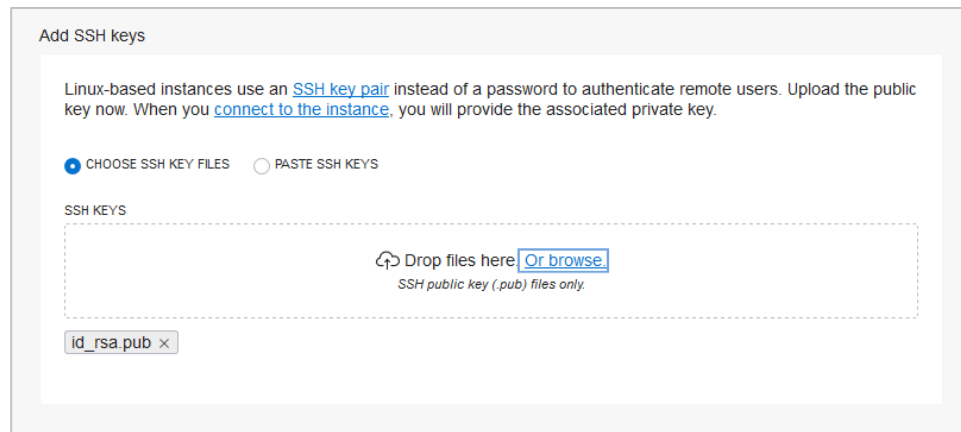


Boot volume

☐ SPECIFY A CUSTOM BOOT VOLUME SIZE
[Volume performance](#) varies with volume size. Default boot volume size: 100.0 GB

☐ ENCRYPT THIS VOLUME WITH A KEY THAT YOU MANAGE
By default, Oracle manages the keys that encrypt this volume, but you can choose a key from a vault that you have access to if you want greater control over the key's lifecycle and how it's used. [Learn more about managing your own encryption keys](#)

- vii. Add SSH key: Select the **Choose SSH Key file** radio button. Browse to select the public SSH key file you created earlier ([LAB 1, Exercise 2: Generate a Secure Shell \(SSH\) Key Pair](#)) by navigating to the location where the SSH files are stored. Alternatively, drag and drop the .pub file to the window.



Add SSH keys

Linux-based instances use an [SSH key pair](#) instead of a password to authenticate remote users. Upload the public key now. When you [connect to the instance](#), you will provide the associated private key.

☒ CHOOSE SSH KEY FILES ☐ PASTE SSH KEYS

SSH KEYS

Drop files here [Or browse](#)
SSH public key (.pub) files only

id_rsa.pub x

- viii. Click the **Create** button.



Show Advanced Options

Create

After a few minutes, the instance will be running and ready. Copy and take note of the Public IP address under the **Instance Access** section, which is required to connect to the instance – in this example, it is *129.213.43.190*.

ORACLE Cloud

Applications >

Search for resources and services

US East (Ashburn) v

Compute > Instances > Instance Details > Work Requests

jdtrial

Start Stop Reboot Change Shape More Actions

Instance Information Tags

General Information

Availability Domain: AD-3

Fault Domain: FD-3

Region: iad

OCID: ...zregwa Show Copy

Launched: Mon, May 4, 2020, 16:27:22 UTC

Compartment: orasena1dpl0ci02 (root)/TestDrive

Oracle Cloud Agent Management: Enabled ⓘ

Instance Details

Virtual Cloud Network: TestDriveVCN

Maintenance Reboot: -

Image: TE9243FIN1

Launch Mode: NATIVE

Shape Configuration

Shape: VM.Standard2.2

OCPU Count: 2

Network Bandwidth (Gbps): 2

Memory (GB): 30

Instance Access

You [connect to a running Linux instance](#) using a Secure Shell (SSH) connection. You'll need the private key from the SSH key pair that was used to create the instance.

Public IP Address: 129.213.43.190 Copy

Username: opc

Primary VNIC

Private IP Address: 10.0.0.2

Network Security Groups: None Edit ⓘ

Internal FQDN: jdtrial... Show Copy

Subnet: Public Subnet-TestDriveVCN

Launch Options

NIC Attachment Type: PARAVIRTUALIZED

Remote Data Volume: PARAVIRTUALIZED

Firmware: UEFI_64

Boot Volume Type: PARAVIRTUALIZED

Exercise 2: Accessing the OCI Instance

To complete the setup of the JD Edwards EnterpriseOne Trial Edition, it is necessary to connect to the VM Instance. The username on the instance is **opc**. There isn't a password, the account can only be accessed using the SSH private key.

Connecting to an OCI Compute instance using a Mac/Linux/Unix based machine.

Using Command Line SSH

Mac OS X includes a command-line SSH client as part of the operating system. To use it, go to Finder, and select Go -> Utilities from the top menu. Then look for Terminal. To connect over SSH you can use the following command on a Linux/UNIX style system.

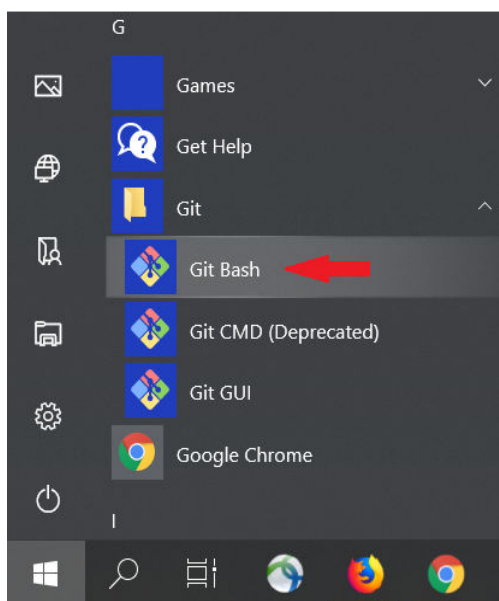
```
$ ssh -l opc -i </path/to/privateKey> <PublicIP_Address>  
Example: $ ssh -l opc -i ./keys/id_rsa 132.145.187.16
```

Once connected, you can continue to [Exercise 3](#) below.

Connecting to an OCI Compute instance using a Windows based machine.

Using SSH with Git Bash

- a) Launch Git Bash

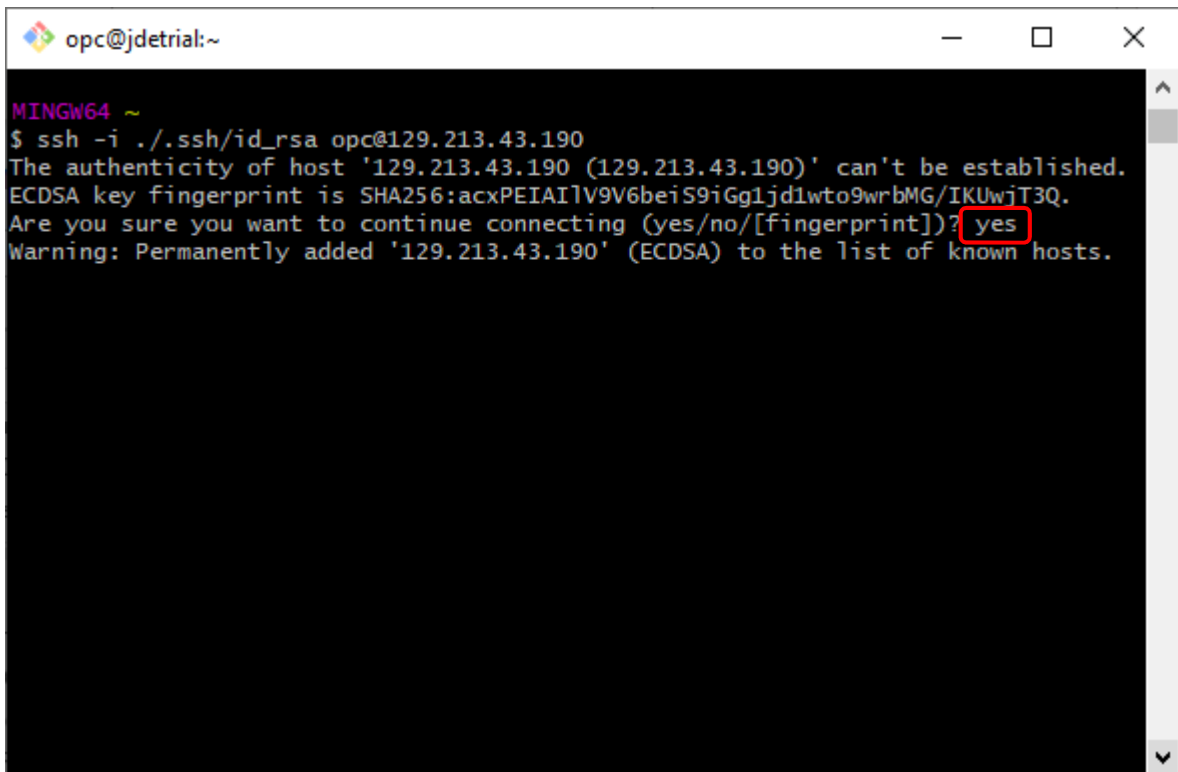


- b) To connect over SSH you can use the following command on a Linux/UNIX style system.

```
$ ssh -i </path/to/privateKey> <username>@<PublicIP_Address>  
Example: $ ssh -i ~/.ssh/id_rsa opc@132.145.187.16
```

Hint: Do not copy and paste the line above into Git Bash. Unpredictable results may occur.

- c) If, after entering the ssh command, you receive a message like in the screen shot below, reply with **YES**.



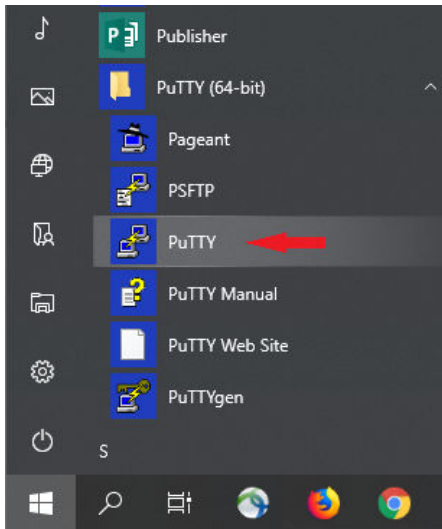
```
opc@jdetrial:~  
MINGW64 ~  
$ ssh -i ~/.ssh/id_rsa opc@129.213.43.190  
The authenticity of host '129.213.43.190 (129.213.43.190)' can't be established.  
ECDSA key fingerprint is SHA256:acxPEIAIlV9V6beiS9iGg1jd1wto9wrbMG/IKUwjT3Q.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '129.213.43.190' (ECDSA) to the list of known hosts.
```

- d) Once connected, you can continue to [Exercise 3](#) below.

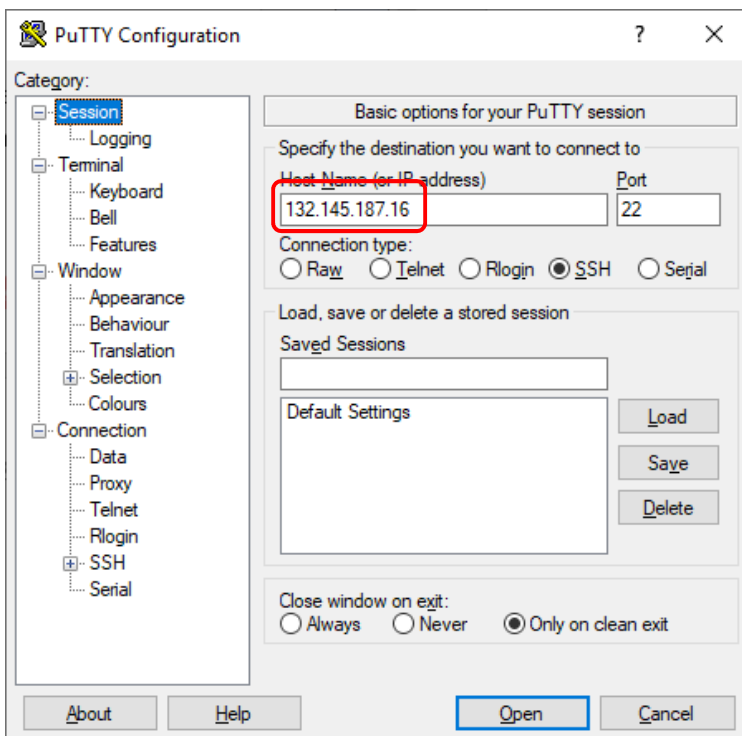
Using SSH with Putty for Windows

For Windows, use a tool like PUTTY as shown below to set up PuTTY to connect to an OCI instance:

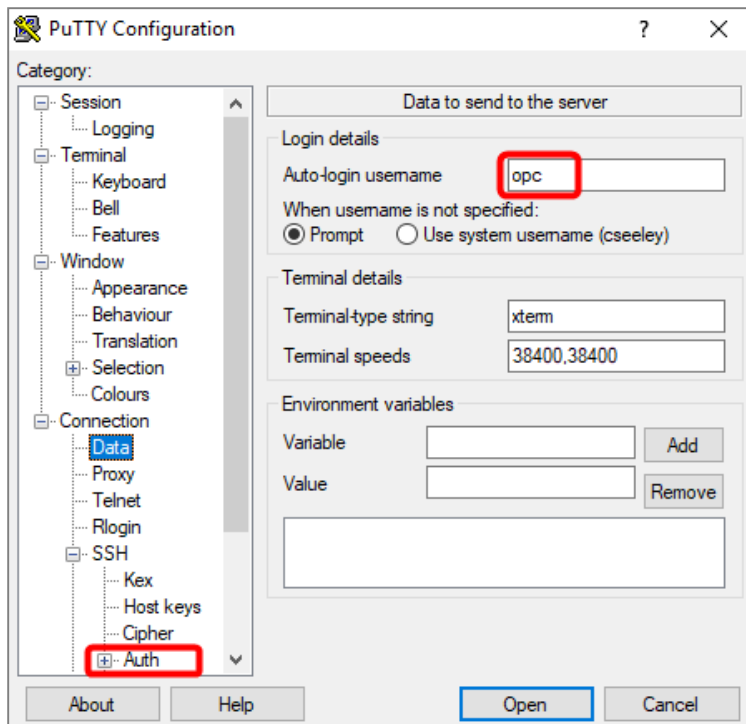
- a) Launch **PuTTY**.



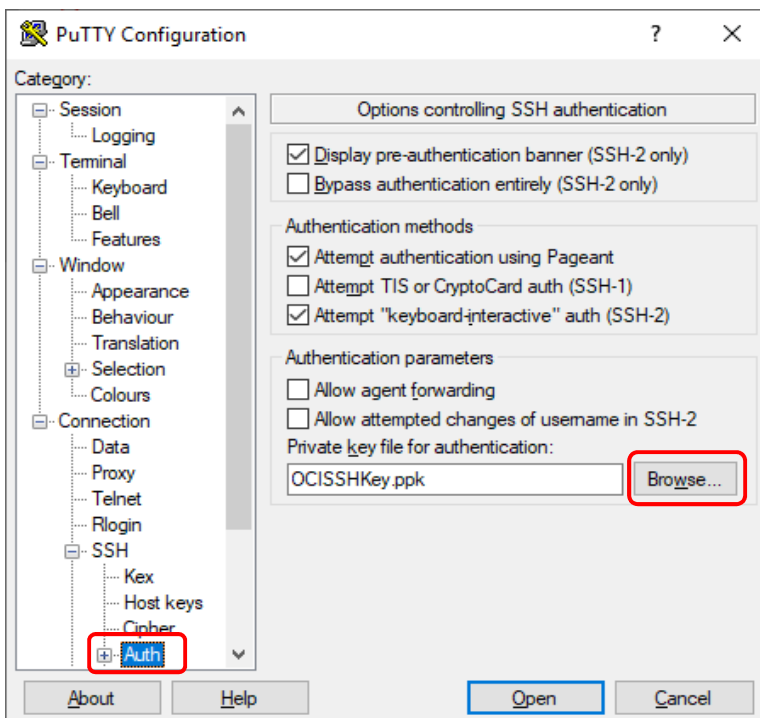
Within the PuTTY session, under Session category, enter the Public IP Address (example: 132.145.187.16) from the instance information into the **Host Name** field, and then select category **Connection** → **Data**.



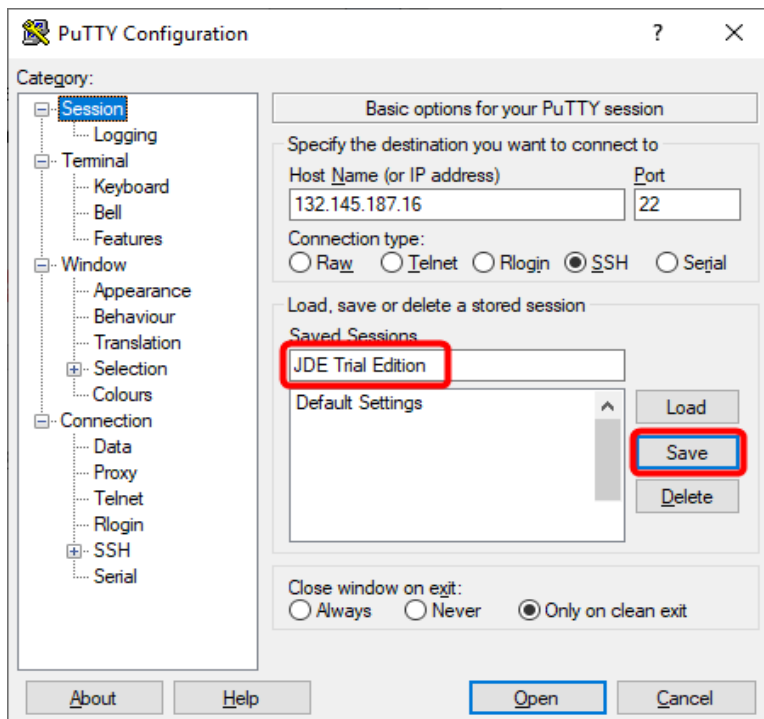
Enter **opc** in the **Auto-login username** field and then select the category **Connection** → **SSH** → **Auth**.



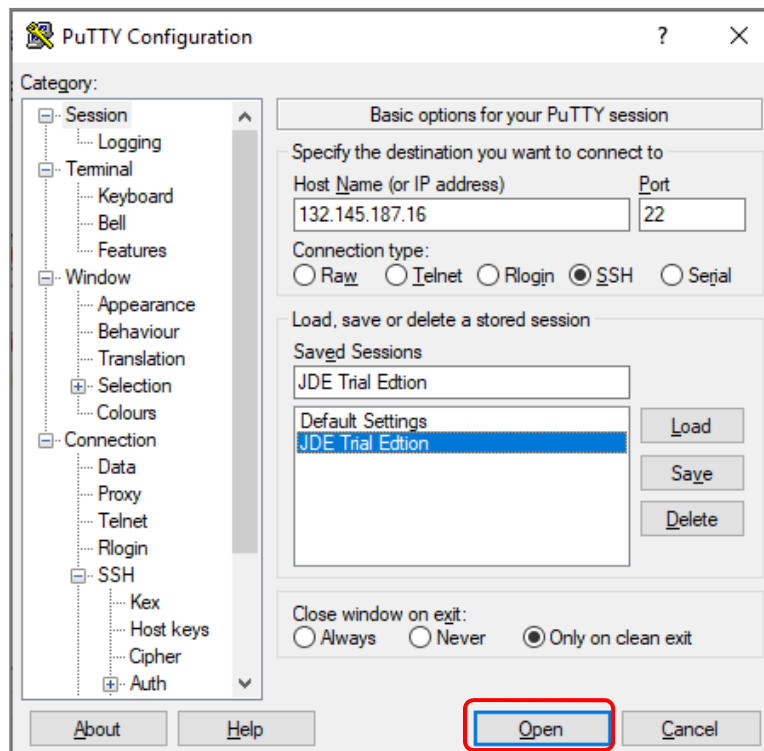
In the Auth category, use the **Browse** button to locate the ppk (OCISSHKey.ppk) SSH file in the location where you saved it (Lab 1, Exercise 2, Step L). Return to the **Session** category.



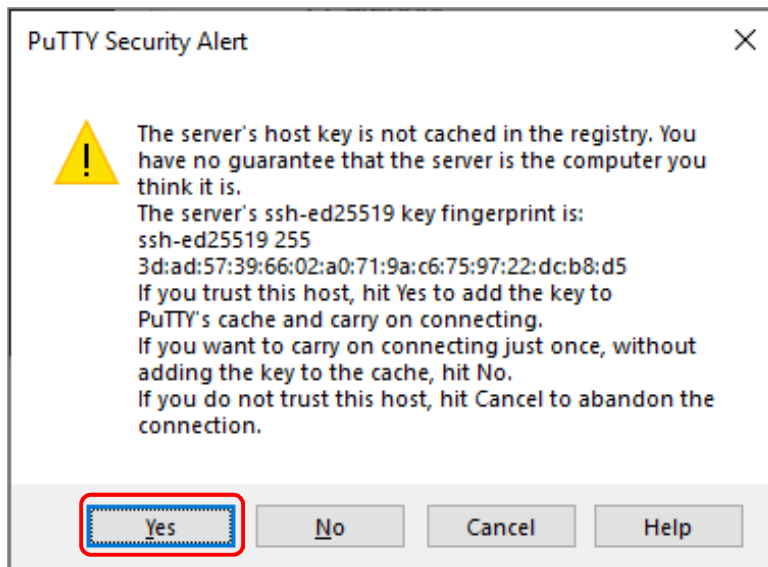
In the Session category, enter a unique label (example: JDE Trial Edition) for the connection in the **Saved Sessions** field, and click the **Save** button. This will retain all settings for future connections.



Finally, connect to the instance by clicking the **Open** button.



PuTTY will open a command window. On first connection, a Security Alert window will appear. Click **Yes** to accept that you trust the connection to this host.



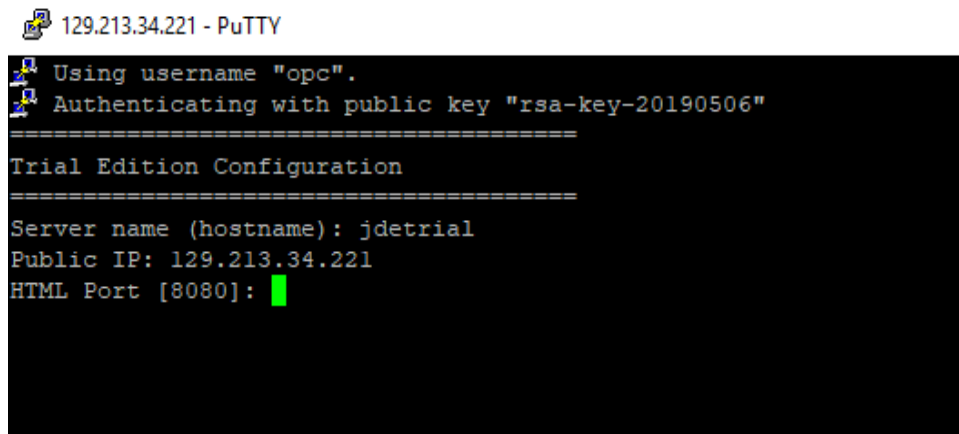
Exercise 3: Perform First-Time Configuration of Trial Edition

The first connection to Trial Edition triggers the initial configuration script to be run prior to anything working.

- a) In the first connection to the Trial Edition Instance, answer the following prompts to complete the configuration:

- i. HTML Port [8080]: – Enter **8080**

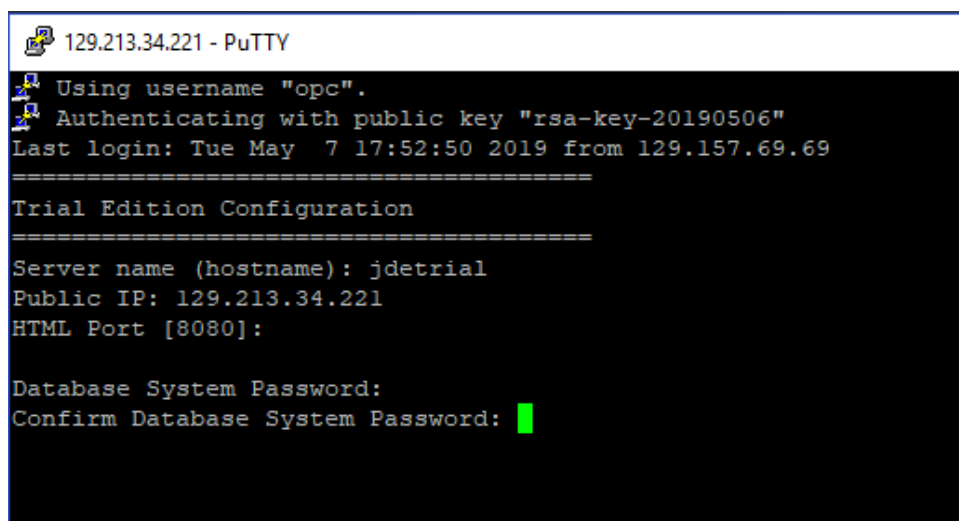
Note: This must match the port number added to the Ingress Rules for the Security List.



```
129.213.34.221 - PuTTY
Using username "opc".
Authenticating with public key "rsa-key-20190506"
=====
Trial Edition Configuration
=====
Server name (hostname): jdetrial
Public IP: 129.213.34.221
HTML Port [8080]: █
```

- ii. Database System Password (& confirmation): **JDE_Rules1** – Any password that meets the following rules:

- Must be between **8 and 10** characters
- Must contain at least 1 letter and 1 number
- May not contain any shell metadata characters such as \$, |, @, and so on



```
129.213.34.221 - PuTTY
Using username "opc".
Authenticating with public key "rsa-key-20190506"
Last login: Tue May  7 17:52:50 2019 from 129.157.69.69
=====
Trial Edition Configuration
=====
Server name (hostname): jdetrial
Public IP: 129.213.34.221
HTML Port [8080]:
Database System Password:
Confirm Database System Password: █
```


- iii. JDE User Password (& confirmation): **JDE_Rules1** – same password rules

```
129.213.34.221 - PuTTY
Using username "opc".
Authenticating with public key "rsa-key-20190506"
Last login: Tue May  7 17:52:50 2019 from 129.157.69.69
=====
Trial Edition Configuration
=====
Server name (hostname): jdetrial
Public IP: 129.213.34.221
HTML Port [8080]:

Database System Password:
Confirm Database System Password:

JDE User Password:
Confirm JDE User Password: █
```

- iv. Weblogic Admin Password (& confirmation): **JDE_Rules1** – same password rules

```
129.213.34.221 - PuTTY
Using username "opc".
Authenticating with public key "rsa-key-20190506"
Last login: Tue May  7 17:52:50 2019 from 129.157.69.69
=====
Trial Edition Configuration
=====
Server name (hostname): jdetrial
Public IP: 129.213.34.221
HTML Port [8080]:

Database System Password:
Confirm Database System Password:

JDE User Password:
Confirm JDE User Password:

Weblogic Admin Password:
Confirm Weblogic Admin Password: █
```

- v. Final Confirmation: **Y** – Yes to commit the configuration settings and run the script to set up.

Configuration will take between 25-30 minutes. The configuration will go through and change all necessary database records and files on the system for the system information and options entered, as well as start all necessary services. Once complete, the JD Edwards EnterpriseOne Trial Edition is ready for use. Watch for the status **"Successfully completed u01/vmScripts/EOne_Sync.sh"**.

```
opc@jdetrial:~  
*****  
*****  
You must accept the certificate for the adf container before logging into Enterp  
riseOne.  
Below is the url to do this:  
  
    https://129.213.43.190:7072/JDEADFContainer/faces/index  
  
The url for EnterpriseOne is:  
  
    https://129.213.43.190:8080/jde/E1Menu.maf  
  
Successfully completed u01/vmScripts/EOne_Sync.sh  
Processing time: 27:05  
  
[opc@jdetrial ~]$ |
```

Summary

At this point, the JD Edwards EnterpriseOne Trial Edition is ready for use.

LAB 4: Connecting to JDE Trial Edition

Trial Edition is now running and ready for use. In this lab, you will learn how to utilize it.

Time to Complete

10 minutes

Scenario

Trial Edition is up and running and ready to be used but the user needs to know how to connect to it and leverage the system.

In this lab, you will:

- Connect to EnterpriseOne HTML Server
- Connect to EnterpriseOne AIS Client
- Connect to EnterpriseOne Orchestrator Studio
- Connect to Oracle BI Publisher
- Learn Where Additional Resources are Located

Exercise 1: Connect to EnterpriseOne HTML Server

HTML Server is the primary interface to the EnterpriseOne system.

To access the EnterpriseOne HTML server:

- a) Open a supported browser from any workstation connected to the internet.
- b) Using the Public IP Address for the instance and port number (Lab 2, Exercise 3, Step 1a) assigned to the HTML server as part of the final configuration and security list, enter the following URL into the browser:

`https://<ip address>:<port>/jde`

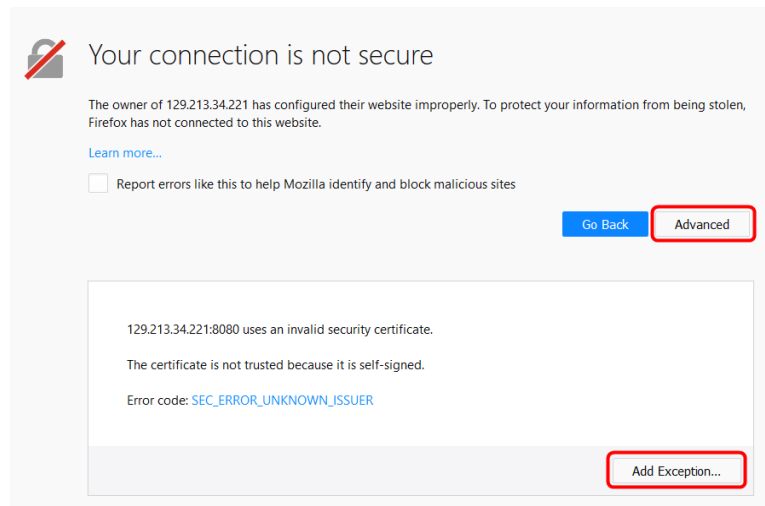
For example:

<https://132.145.187.16:8080/jde>

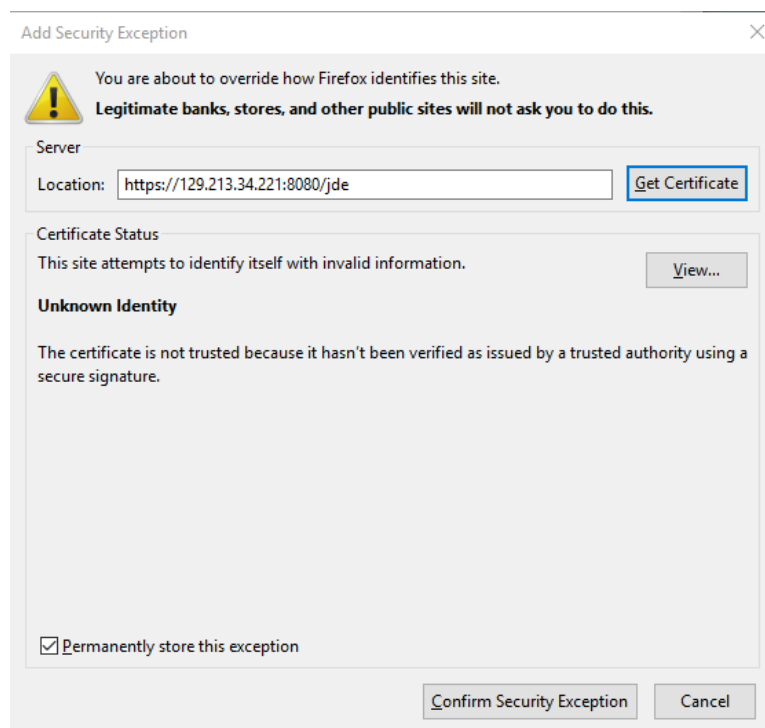
- c) If this is the first connection to this URL from the workstation or browser type, it will prompt you to confirm secure connection. This is due to JDE Trial Edition using a temporary SSL Certificate for security. Click **Advanced** and then **Add Exception** to confirm that the connection is trusted.

Note: Message and Security differ from browser to browser. This example is from a Mozilla Firefox browser.

Note: If this Trial Edition is for long-term usage, it is recommended that you replace the temporary SSL Certificate with a real SSL Certificate.

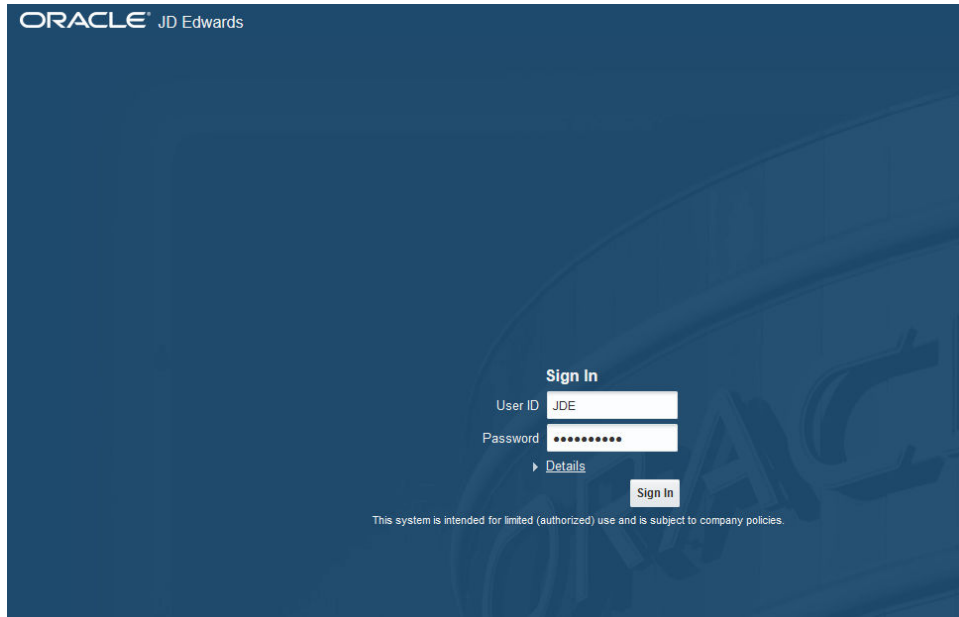


- d) Click the **Confirm Security Exception** button to add the URL to the trusted location list for the browser.

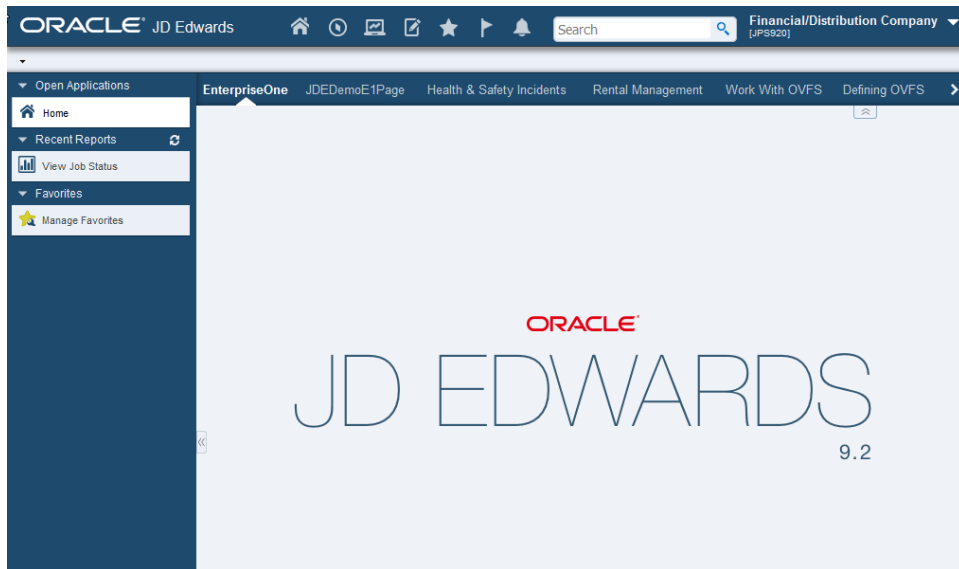


e) In the JD Edwards EnterpriseOne HTML Server sign-on page, sign in using these credentials:

- User ID: **JDE**
- Password: **JDE_Rules1** (this is the password defined in the final configuration in Lab 2, Exercise 3, Step a), iii.



At this point, the JD Edwards EnterpriseOne HTML Client is ready for use.



Exercise 2: Connect to EnterpriseOne Orchestrator Studio

The EnterpriseOne Orchestrator Studio is an interface to help create orchestrations.

To access the Orchestrator Studio:

- a) Open a supported browser from any workstation connected to the internet.
- b) Using the Public IP Address for the instance and port number 7077, which is automatically assigned to the Orchestrator Studio and is part of the security list, enter the following URL into the browser:

`https://<ip_address>:7077/studio/studio.html`

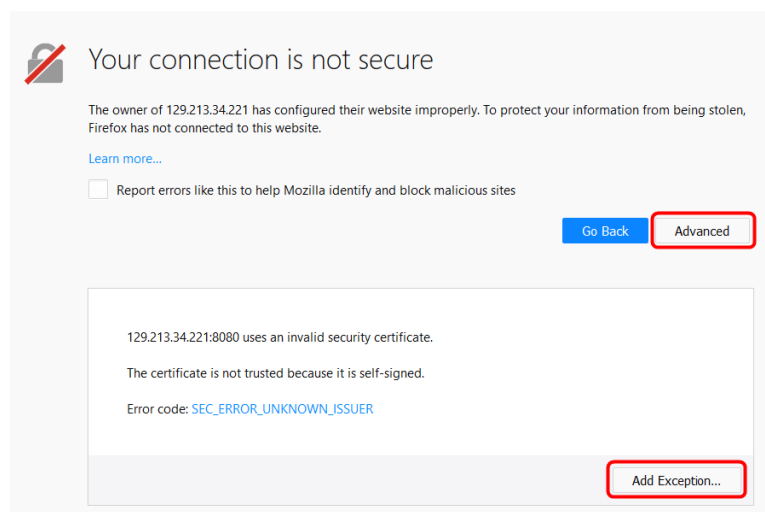
For example:

<https://129.213.43.190:7077/studio/studio.html>

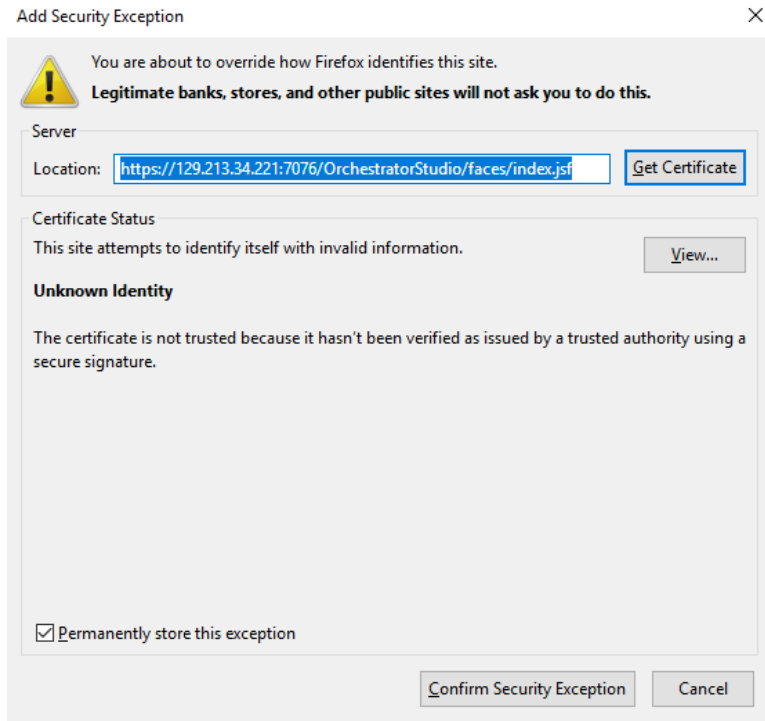
- c) If this is the first connection to this URL from the workstation or browser type, it will prompt you to confirm secure connection. This is due to JDE Trial Edition using a temporary SSL Certificate for security. Click **Advanced** and then **Add Exception** to confirm that the connection is trusted.

Note: Message and Security differ from browser to browser. This example is from a Mozilla Firefox browser.

Note: If this Trial Edition is for long-term usage, it is recommended that you replace the temporary SSL Certificate with a real SSL Certificate.

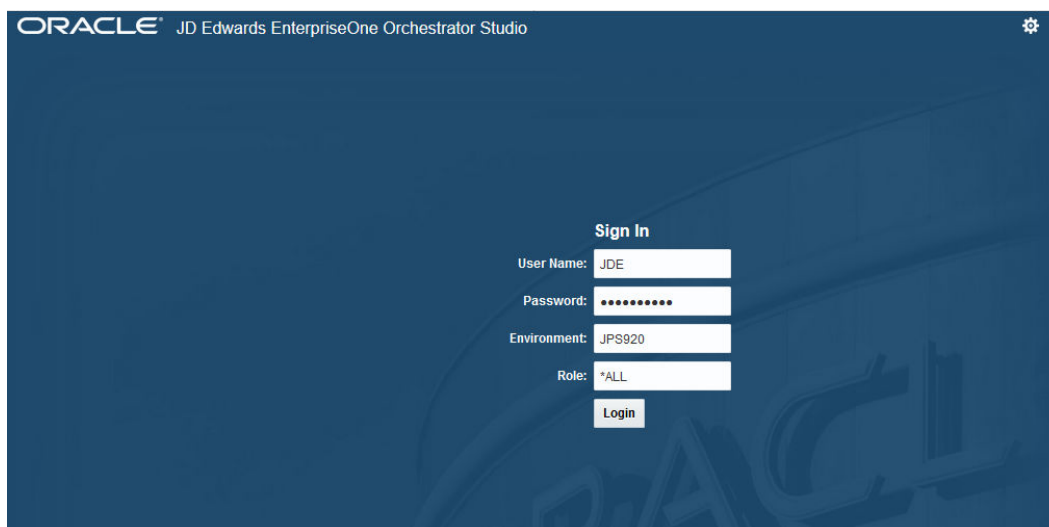


- d) Click the **Confirm Security Exception** button to add the URL to the trusted location list for the browser.



e) In the JD Edwards EnterpriseOne Orchestrator Studio sign-on page, sign in using these credentials:

- User name: **JDE**
- Password: **JDE_Rules1** (this is the password defined in the final configuration in Lab 2, Exercise 3, Step 1c).



At this point, the JD Edwards EnterpriseOne Orchestrator Studio is ready for use.



Exercise 3: Connect to EnterpriseOne ADF Container

The EnterpriseOne ADF Container is utilized by EnterpriseOne for select UX One applications. For those applications to function correctly, the self-signed certificate needs to be approved separately by the client browser.

To access the ADF container:

- a) Open a supported browser from any workstation connected to the internet.
- b) Using the Public IP Address for the instance and port number 7072, which is automatically assigned to the ADF Container and is part of the security list, enter the following URL into the browser:

`https://<ip address>:7072/JDEADFContainer/faces/index`

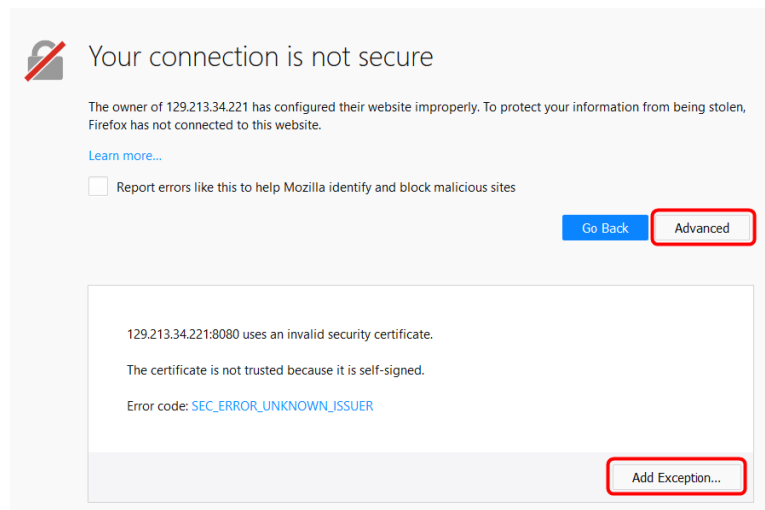
For example:

<https://132.145.187.16:7072/JDEADFContainer/faces/index>

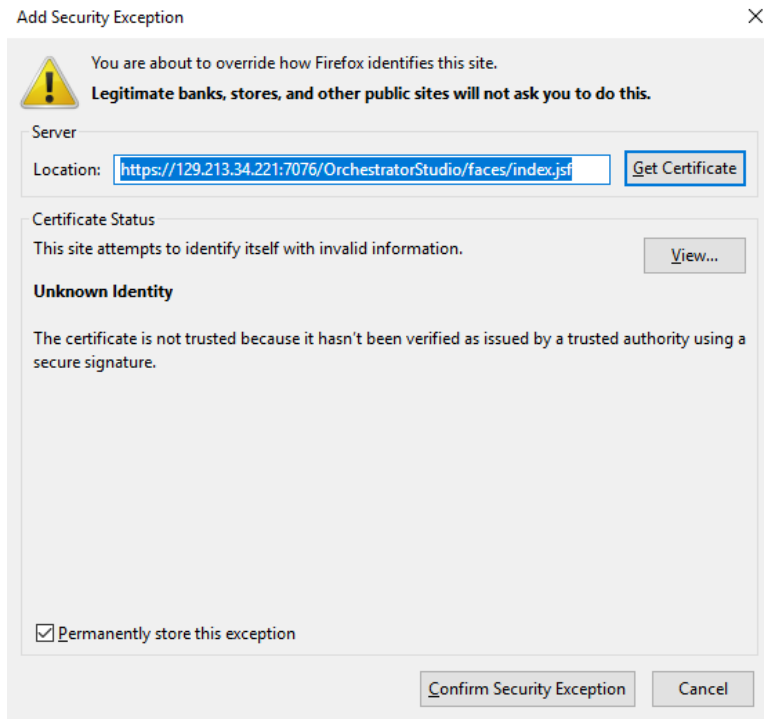
- c) If this is the first connection to this URL from the workstation or browser type, it will prompt you to confirm secure connection. This is due to JDE Trial Edition using a temporary SSL Certificate for security. Click **Advanced** and then **Add Exception** to confirm that the connection is trusted.

Note: Message and Security differ from browser to browser. This example is from a Mozilla Firefox browser.

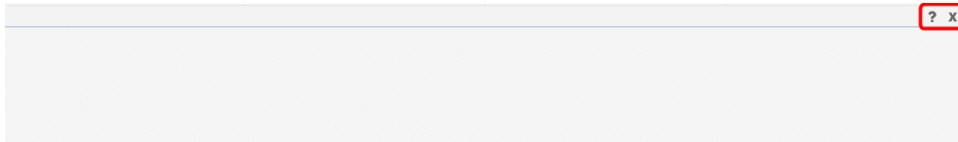
Note: If this Trial Edition is for long-term usage, it is recommended that you replace the temporary SSL Certificate with a real SSL Certificate.



- d) Click the **Confirm Security Exception** button to add the URL to the trusted location list for the browser.



- e) The ADF Container page will appear. It is a blank page with a ? and X in the upper right-hand corner.



At this point, ADF applications should function normally when run through the JD Edwards EnterpriseOne HTML Client.

Exercise 4: Connect to Oracle BI Publisher Server for OVR

The Oracle BI Publisher Server for OVR is a reporting tool.

To access the Oracle BI Publisher Server:

- a) Open a supported browser from any workstation connected to the internet.
- b) Using the Public IP Address for the instance and port number 9705, which is automatically assigned to the BI Publisher and is part of the security list, enter the following URL into the browser:

https://<ip address>:9705/xmlpserver

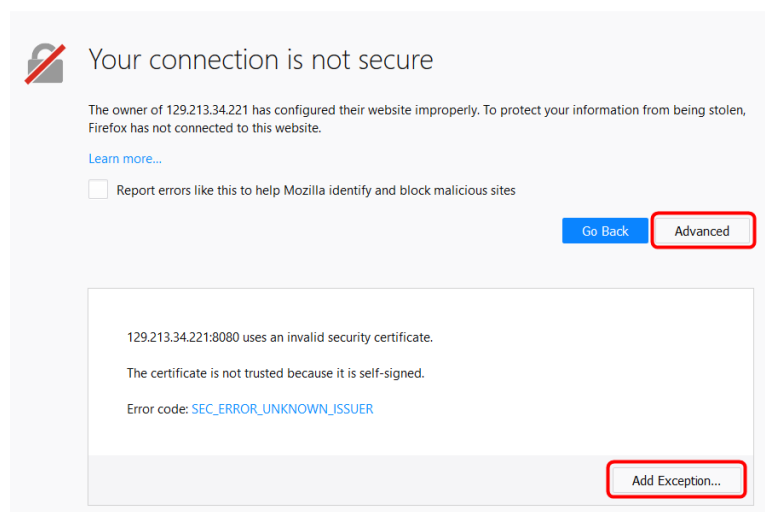
For example:

<https://132.145.187.16:9705/xmlpserver>

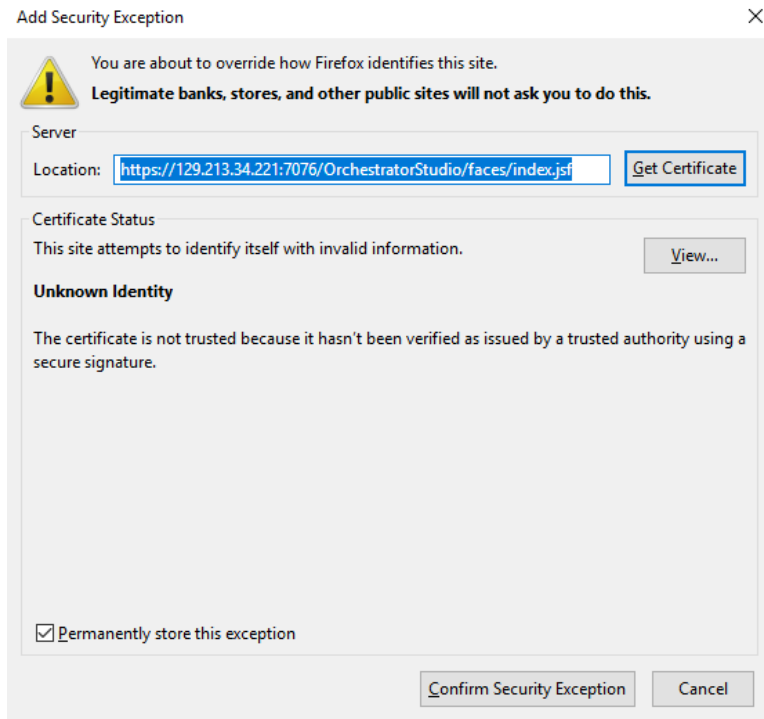
- c) If this is the first connection to this URL from the workstation or browser type, it will prompt you to confirm secure connection. This is due to JDE Trial Edition using a temporary SSL Certificate for security. Click **Advanced** and then **Add Exception** to confirm that the connection is trusted.

Note: Message and Security differ from browser to browser. This example is from a Mozilla Firefox browser.

Note: If this Trial Edition is for long-term usage, it is recommended that you replace the temporary SSL Certificate with a real SSL Certificate.

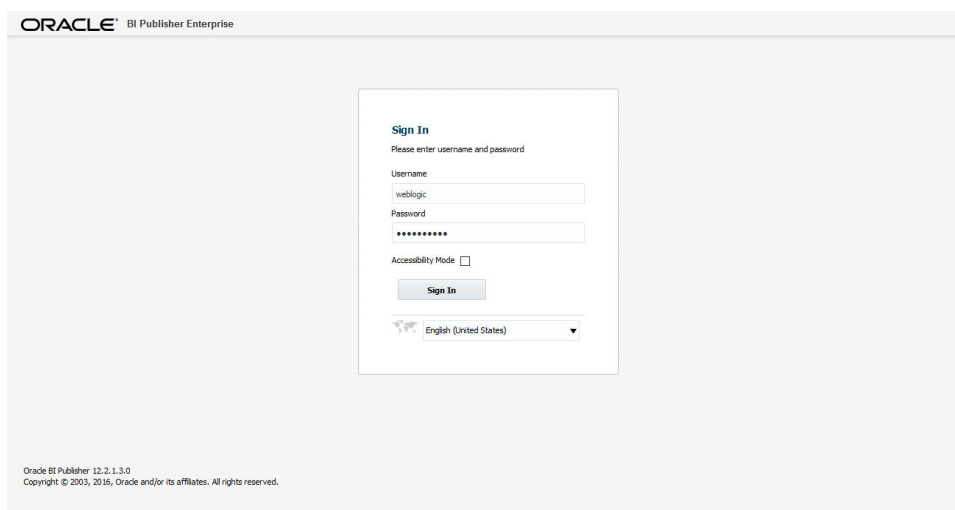


- d) Click the **Confirm Security Exception** button to add the URL to the trusted location list for the browser.

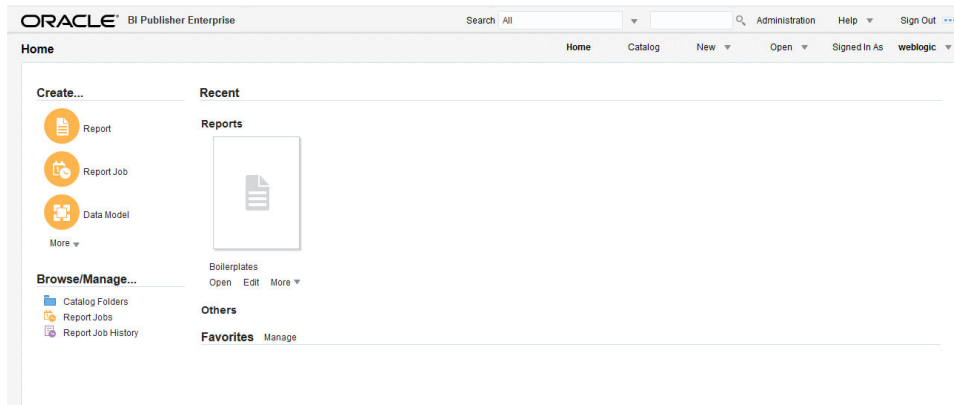


- e) In the Oracle BI Publisher sign-on page, sign in using these credentials:

- Username: **weblogic**
- Password: **JDE_Rules1** (this is the password defined in the final configuration in Lab 2, Exercise 3, Step 1c).



At this point, the Oracle BI Publisher Server for OVR is ready for use.



Exercise 5: Learn Where Additional Resources are Located

For additional information, refer to these resources:

- Learning Path

https://apexapps.oracle.com/pls/apex/f?p=44785:50:0:::50:P50_EVENT_ID,P50_COURSE_ID:6152,395

- Marketplace Listing

<https://console.us-ashburn-1.oraclecloud.com/marketplace/application/51184836/overview>

Summary

Enjoy JDE! Enjoy OCI! 😊