

## Lab 02: Installing the APTARE IT Analytics Portal

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In this lab, you perform a series of tasks required to install the Portal Server software on a Linux server.

### Lab Exercises


This lab includes the following exercises:

- [Exercise A: Installing Oracle Database Application Binaries](#)
- [Exercise B: Installing the Portal Application Binaries](#)
- [Exercise C: Installing the Database Schema](#)
- [Exercise D: Installing the License Key File](#)

⚠ It is recommended to use Google Chrome to perform the lab exercises. After launching the lab, zoom out the lab browser window to 80% to fit the APTARE Portal interface and view all the tabs within the window.

## Exercise A: Installing Oracle Database Application Binaries

In this exercise, you install the Oracle Database application binaries. Typically, the Oracle Database application binaries are installed on the same server as the Portal binaries, although in some cases, a separate server may be designated.

- ☐ 1. Sign in to the  **portal1** system using the following credentials:

**portal1 login:**  **root**

**Password:**  **P@ssw0rd**

- ☐ 2. In the **Terminal** window, type the following command and press **Enter** to mount the Oracle Application CD-ROM.

**Command:**  **mount /dev/cdrom /cdrom**

The following message is displayed confirming that the Oracle Application CD-ROM has been mounted as read-only.

```
mount: /dev/sr0 is write-protected, mounting read-only
```

- ☐ 3. In the **Terminal** window, type the following command and press **Enter** to start the installer.

**Command:**  **/cdrom/install\_oracle.sh**


⚠ Do **NOT** change directory to the CD-ROM drive.

The command copies the ORACLE binaries into **/opt/aptare/oracle** and sets up the Oracle startup and shutdown scripts.

- ☐ 4. In the **Terminal** window, press **Enter**. The **EULA** is displayed.
- ☐ 5. After reading the **EULA**, Press **q** to close the **EULA**. The following prompt is displayed.

```
Enter "accept" to accept these Terms and Conditions:
```

- ☐ 6. Type **accept** and press **Enter** to begin the installation process.
- ☐ 7. In the **Enter the absolute directory path where these patches are downloaded:** provide the path as  **/aptare\_patches** and then press **Enter**.

 The installation process may take 3-5 minutes to complete and you are returned to the shell prompt after the installation is complete.

☐

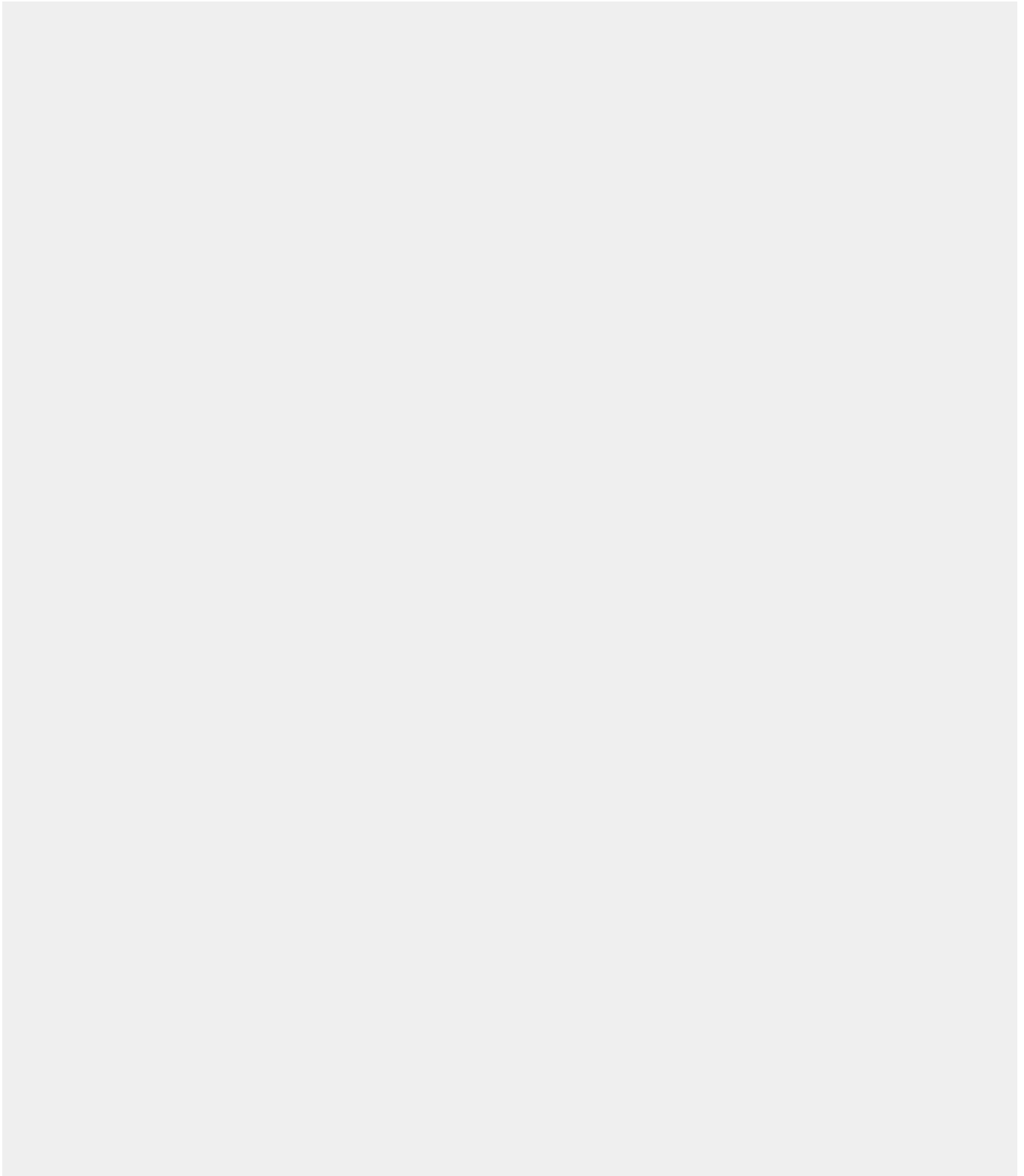
8. In the **Terminal** window, type the following commands and press **Enter** to unmount the Oracle Application CD-ROM.

umount /cdrom

eject

- ☐ 9. Leave the **Terminal** window open on the **portal1** system.

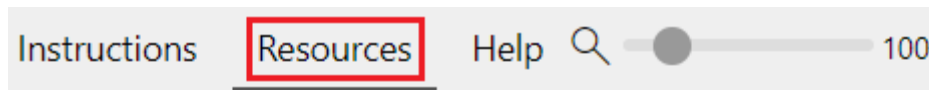
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## Exercise B: Installing the Portal Application Binaries

In this exercise, you install the Portal application binaries. Typically, the Portal binaries are installed on the same server as the Oracle Database binaries, although in some cases, a separate server may be designated.

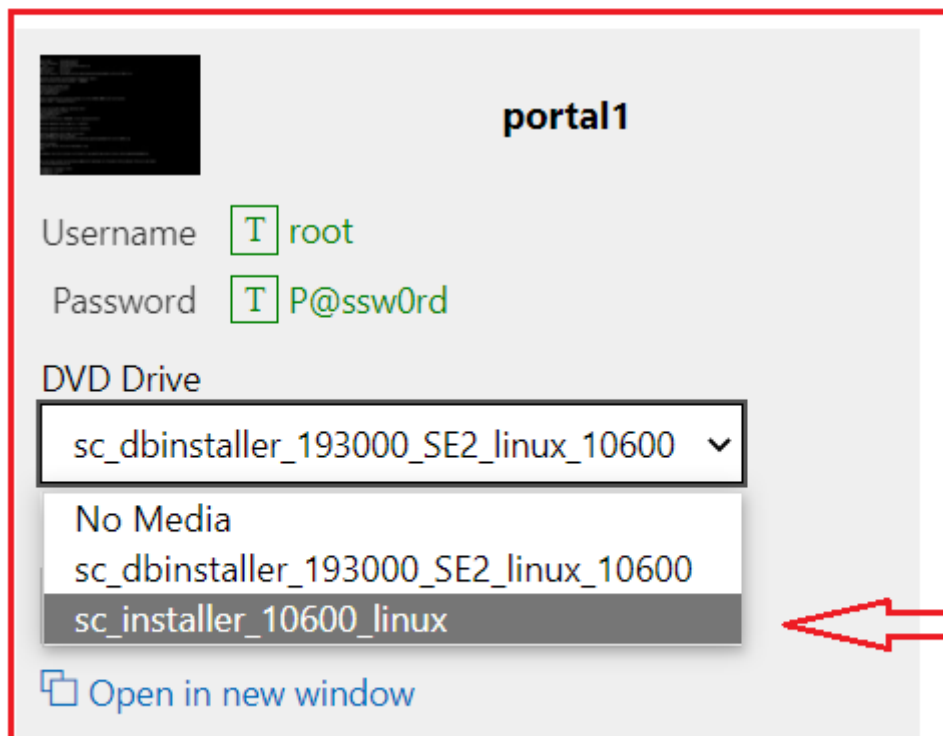
- ☐ 1. In the LOD user interface, perform the following steps to mount the Portal Application Software CD-ROM on the **portal1** system.
  - ☐ a. Select the **Resources** tab and the select the **portal1** virtual machine.
  - ☐ b. Click the **DVD Drive** drop-down box and select the **sc\_installer\_10600\_linux.iso** file as illustrated in the figure below.



**router (BASE)** *(Hidden)*



**console**



- ☐ 2. Access the open **Terminal** window on the **portal1** system.
- ☐ 3. In the **Terminal** window, type the following command and press **Enter** to mount the Portal Application Software CD-ROM.

**Command:** `T mount /dev/cdrom /cdrom`

The following message is displayed confirming that the Portal Application Software CD-ROM has been mounted as read-only.

```
mount: /dev/sr0 is write-protected, mounting read-only
```

- ☐ 4. In the **Terminal** window, type the following command and press **Enter** to start the installer.

**Command:** `T /cdrom/aptareInstaller.sh`

 Do **NOT** change the directory to the CD-ROM drive.

- ☐ 5. A message related to runlevel is displayed. Type **y** and press **Enter** to continue.
- ☐ 6. On the **APTARE IT Analytics Installer** screen, type **y** and press **Enter** to proceed. The following prompt is displayed.

```
This script will install the Web Server Components. Will this machine  
be the Web Server (y/n)?
```

- ☐ 7. At the `Do you have this ISO (y/n)?` prompt, type **y** and, press **Enter** to proceed. The following prompt is displayed.

```
Ensure that the ISO labeled  
"IT Analytics Portal Software" is mounted  
Press ENTER to continue
```

- ☐ 8. Press **Enter** to continue, The EULA is displayed.
- ☐ 9. After reading the EULA, Press **q** to close the EULA. The following prompt is displayed.

```
Enter "accept" to accept these Terms and Conditions:
```

- ☐ 10. Type **accept** and press **Enter** to continue.
- ☐ 11. At the `Enter your domain name: (example.com)` prompt that is displayed, press **Enter** to continue.
- ☐ 12. At the `Enter IP Address for aptareportal.example.com: (10.10.2.3)` prompt that is displayed, press **Enter** continue.
- ☐ 13. At the `Enter IP Address for your database server: (10.10.2.3)` prompt that is displayed, press **Enter** continue.
- ☐ 14. Verify that you have entered the details as shown in the table below.

Hostname	IP Address
aptareportal.example.com	10.10.2.3
aptareagent.example.com	10.10.2.3
database server	10.10.2.3

☐ 15. Type **y** and press **Enter** when the following message is displayed: `Is this correct (y/n)?`

☐ 16. After verifying the hostnames and IP addresses, the following message is displayed:

```
These names will be set up in /etc/hosts. You can remove the entries
and add them to your local DNS later.
```

```
Would you like to add them to /etc/hosts (y/n)?
```

☐ 17. Type **y** and press **Enter** to continue.

☐ 18. When the following message is displayed, enter **n** and press **Enter** to continue.

```
You can create the Database schema as a part of this installation or
create it later using create_aptare_database.sh script. Do you want to
create the Database schema as a part of this installation (y/n)?
```

☐ 19. Press **Enter** when prompted - Ensure that the ISO labeled "IT Analytics Portal Software" is mounted. Press ENTER to continue.

☐ 20. After the installation is complete, you are returned to the shell prompt.

☐ 21. Leave the **Terminal** window open on the **portal1** system.


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## Exercise C: Installing the Database Schema

In the steps that follow you create the APTARE IT Analytics database.

- ☐ 1. In the Terminal window, type the below command and press Enter to set Shared Memory (kernel.shmmax) to 12GB.

**Command:** `T sysctl -p`

 The **sysctl -p** command reads values from **/etc/sysctl.conf** file. In this lab environment, the value for the **kernel.shmmax** parameter is pre-defined in the **/etc/sysctl.conf** file.

- ☐ 2. In the **Terminal** window, type the below command and press **Enter** to switch user to aptare.

**Command:** `T su - aptare`

- ☐ 3. In the **Terminal** window, type the following command and press **Enter**.


**Command:** `T /cdrom/create_aptare_database.sh`


The **APTARE IT Analytics Database Installation Wizard** screen is displayed.

- ☐ 4. At the Enter you IT Analytics Portal Domain Name: (example.com) prompt, press **Enter** to accept the default value.
- ☐ 5. When the "Is this the correct domain name (y/n)?" prompt is displayed, verify that the domain name is set to **example.com**, type **y**, and press **Enter** to start the installation.

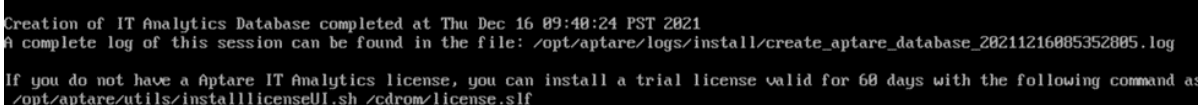
The installer will perform the following tasks:

- Check to see if Oracle services are running and shut them down if required.
- Extract the database files and create the database schema.
- Load the database with Oracle packages.
- Create the portal user and database schema.
- Validate all packages.

 **Note:** The entire installation process may take 60-70 minutes to complete and you are returned to the shell prompt after the installation is complete.

 During the install, you might see a blank screen instead of the install progress. If this occurs, press any key to display the install progress.

- ☐ 6. Verify the installation is successful as shown in following figure:



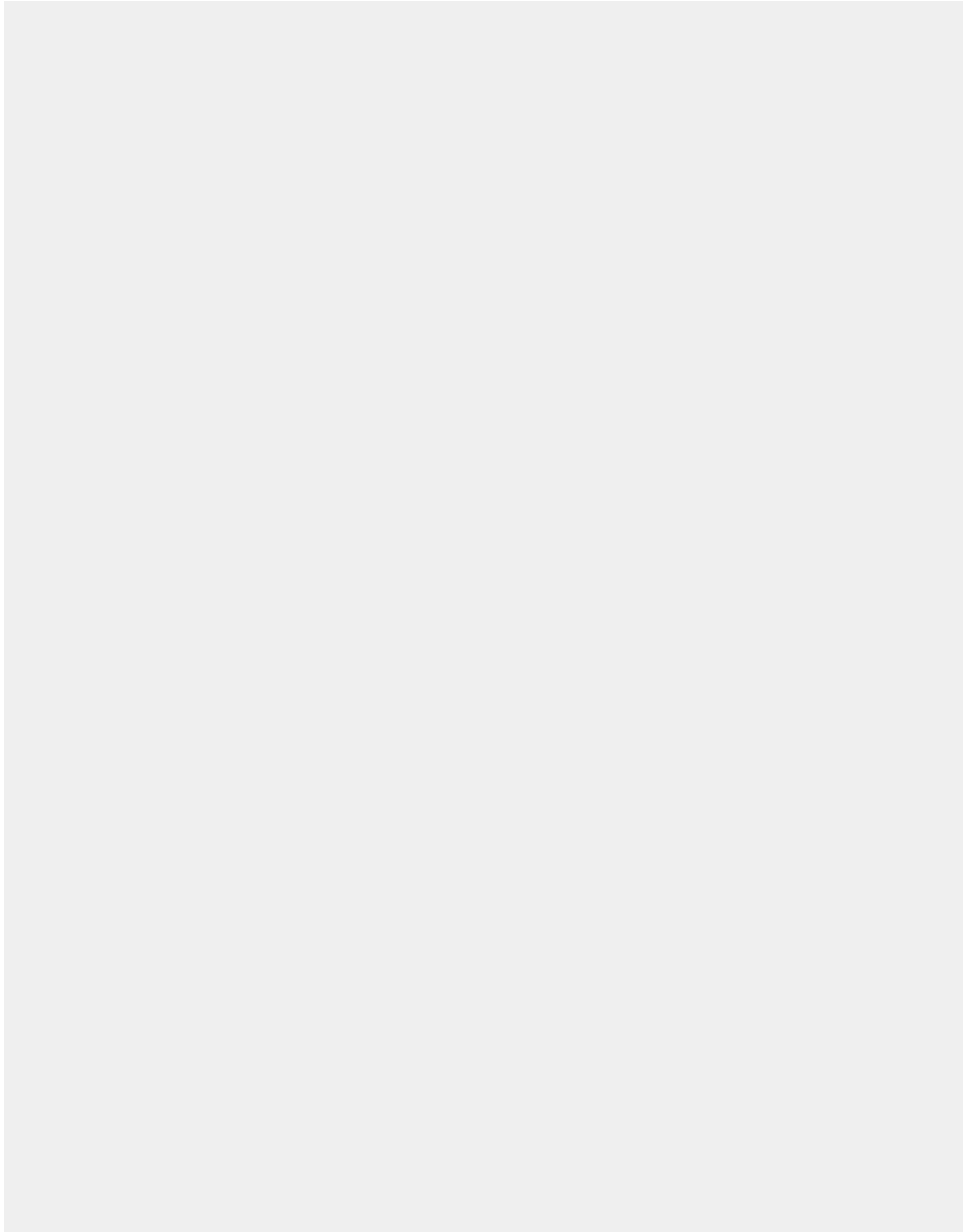
```
Creation of IT Analytics Database completed at Thu Dec 16 09:48:24 PST 2021
A complete log of this session can be found in the file: /opt/aptare/logs/install/create_aptare_database_20211216085352085.log
If you do not have a Aptare IT Analytics license, you can install a trial license valid for 60 days with the following command as
/opt/aptare/utils/installlicenseUI.sh /cdrom/license.slf
```

- ☐ 7. In the **Terminal** window, type `T exit` and press **Enter** to return to the root shell prompt.
- ☐ 8. In the **Terminal** window, type the following command and press **Enter** to unmount the Portal Application Software CD-ROM.

**Command:** `T umount /cdrom`

- ☐ 9. Leave the **Terminal** window open on the **portal1** system.

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## Exercise D: Installing the License Key File

In this exercise, you start the portal services, access the APTARE IT Analytics Portal, and install the license key file.

### Starting the Portal Services

- ☐ 1. Access the open **Terminal** window on the **portal1** system.
- ☐ 2. In the **Terminal** window, type the following command and press **Enter** to start the Portal services.

**Command:** `/opt/aptare/bin/aptare start`

The figure below displays the expected output of the above command.

```
Starting Oracle Database...      Already Running
Starting Oracle Listener...     Already Running
Starting Portal Service...      OK
Starting Agent Service...       OK
Starting Apache Web Service...  OK
[root@portal1 ~]#
```

### Accessing the APTARE IT Analytics Portal

- ☐ 3. Sign in to the  **console** system using the following credentials:



**console.example.com**

**User name:** `EXAMPLE\Administrator`

**Password:** `P@ssw0rd`

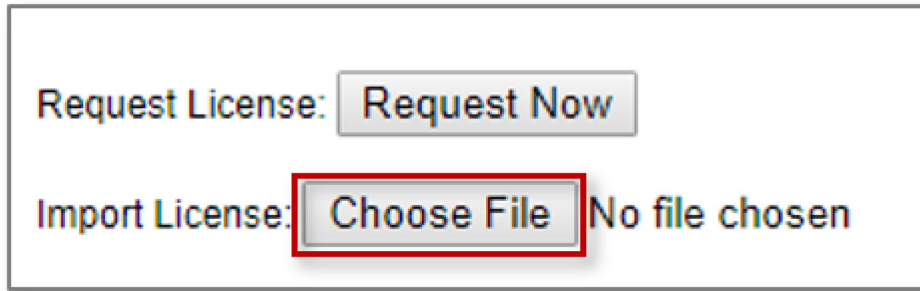
- ☐ 4. Locate and double-click the **Aptare Portal** shortcut, located on the desktop of the **console.example.com** system, to launch the **APTARE IT Analytics** Portal.
- ☐ 5. When the **APTARE IT Analytics** Portal login page is displayed, login using the following credentials.

**Username** `admin@example.com`

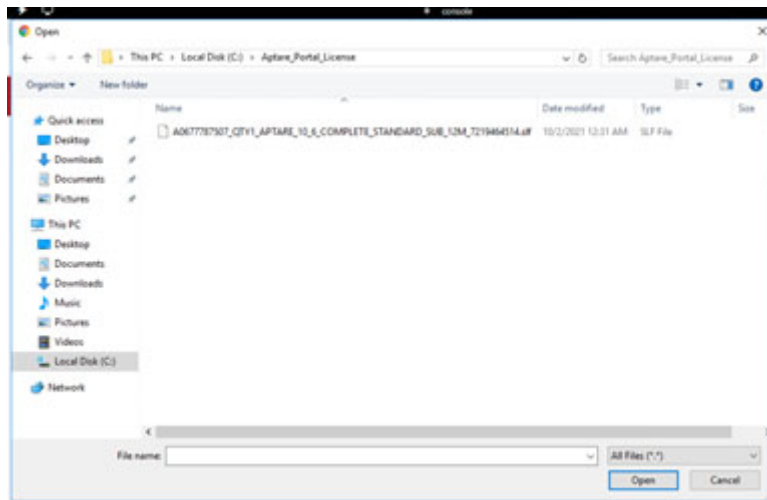
**Password** `P@ssw0rd`

### Installing the License Key File

- ☐ 6. In the APTARE IT Analytics Portal, click **Choose File** as illustrated in the figure below to import a new license key file.



- ☐ 7. In the **Open** window that is displayed, click **Local Disk (C:)** and then double-click the **Aptare\_Portal\_License** folder.
- ☐ 8. Select **portal.license** as illustrated in the following figure and click **Open**.



The **New License Details** are now displayed in the APTARE IT Analytics Portal.

- ☐ 9. Click **Install License** to install the new license key file.
- ☐ 10. After the license install is successful the "License installed successfully" message is displayed, click **OK**.
- ☐ 11. After clicking **OK**, the portal logs you off automatically. Log in to the portal again using the following credentials:

**Username**

**Password**

The **Veritas Software License Agreement** page is displayed.

- ☐ 12. In the **Veritas Software License Agreement** window, select the **I Agree** radio button and click **Submit**.

If the **Submit** button is greyed out, use the scroll bar in the **Veritas Software License Agreement** window to scroll to the end of the license agreement.

You are now logged out and asked to change the current password.

- ☐ 13. Enter the following information to change the password:

**Current Password:**

**New Password:** T Tra1n!ng

**Confirm Password:** T Tra1n!ng

Click **CHANGE PASSWORD**

- ☐ 14. The message: **Password has been changed successfully. Please login again with the new password.** is displayed.
- ☐ 15. Close the **Google Chrome** browser window.

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**End of Lab**

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