# Lab 03: Installing the APTARE IT Analytics Data Collectors

In this lab, you create Data Collectors in the Portal and install the Data Collector software on a Windows and a Linux Server.

## Lab Exercises

This lab includes the following exercises:

- Exercise A: Adding Data Collectors
- Exercise B: Installing the Data Collectors

> ⚠ 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: Adding Data Collectors

To enable the Data Collector server to pass data to the Portal server, a corresponding Data Collector must be created in the Portal, along with Data Collector policies for each of the vendor-specific enterprise objects. Data Collector policies are specific to the type of data that is being collected; however, multiple types of policies often can be combined within one Data Collector.

In this exercise, you create two new Data Collectors in the Portal.

### Adding your first Data Collector

☐ 1. Sign in to the 🖥 console system using the following credentials:

| | |
|---|---|
| **Username:** | T **EXAMPLE\Administrator** |
| **Password:** | T **P@ssw0rd** |

☐ 2. Double-click the **Aptare Portal** shortcut, located on the desktop of the **console.example.com** system, to launch the **APTARE IT Analytics Portal**.

☐ 3. When the **APTARE IT Analytics Portal** login page is displayed, login using the below credentials.

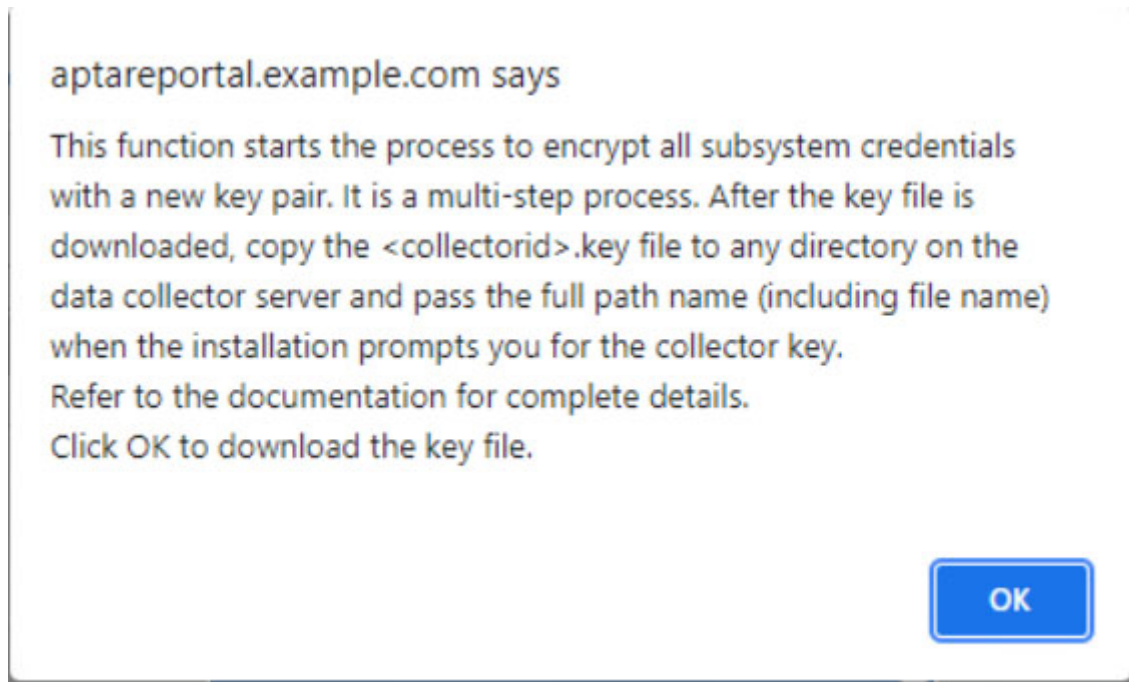| | |
|---|---|
| **Username** | T admin@example.com |
| **Password** | T P@ssw0rd |

☐ 4. In the **APTARE IT Analytics Portal**, navigate to **Admin > Data Collection > Collector Administration**. The list of currently configured Portal Data Collectors is displayed.

☐ 5. In the **Collector Administration** page, click **Add Collector**. The **Add Collector** dialog box is displayed.

☐ 6. In the **Add Collector** dialog box, enter the following details:

| Field | Value |
|---|---|
| **Collector Name** | T **collector1** |
| **Passcode** | T **P@ssw0rd** |
| **Domain** | T **Aptare** |

| Field | Value |
|---|---|
| **Auto-upgrade aptare.jar** | T **Yes** |
| **Auto-upgrade Upgrade Manager** | T **Yes** |

☐   7. Click **OK** to create the Data Collector and return to the **Collector Administration** page.

☐   8. The following message is displayed. Click **OK** to continue.

> aptareportal.example.com says
>
> This function starts the process to encrypt all subsystem credentials
> with a new key pair. It is a multi-step process. After the key file is
> downloaded, copy the <collectorid>.key file to any directory on the
> data collector server and pass the full path name (including file name)
> when the installation prompts you for the collector key.
> Refer to the documentation for complete details.
> Click OK to download the key file.
>
> OK

## Adding a second Data Collector

☐   9. On the **Collector Administration** page, click **Add Collector** to create a second Data Collector in the Portal.

☐   10. In the **Add Collector** dialog box that is displayed, enter the following details:

| Field | Value |
|---|---|
| **Collector Name** | T **collector2** |
| **Passcode** | T **P@ssw0rd** |
| **Domain** | T **Aptare** |
| **Auto-upgrade aptare.jar** | T **Yes** |
| **Auto-upgrade Upgrade Manager** | T **Yes** |

📄 **collector2** is an alias for the NetBackup master server, **nbmaster1.example.com**.

☐ 11. Click **OK** to create the Data Collector and return to the **Collector Administration** page.

☐ 12. A message regarding the **key pair** is displayed. Click **OK** to continue.

The newly created Data Collectors, **collector1** and **collector2** are now listed on the **Collector Administration** page.



☐ 13. Minimize the **APTARE IT Analytics Portal**.

☐ 14. From the desktop of the **Console** system, locate and double-click the shortcut for **File Explorer**.

☐ 15. Navigate to the **Downloads** folder. There are two **.key** files located in this folder. You need to copy the **collector1.key** and **collector2.key** files to the **collector1** and **nbmaster1** systems respectively. Refer to the following instructions:

    ☐ a. Right-click the **collector1.key** file and select **Copy**.

    ☐ b. In the Navigation Bar of the **File Explorer**, type ⊤ **\\collector1\c$** and press **Enter**.
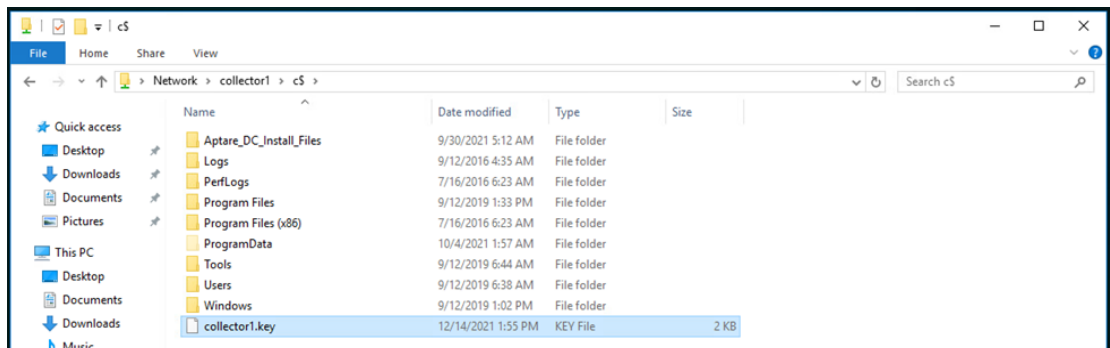


    ☐ c. Right-click anywhere in the empty pane and select **Paste** to copy the **collector1.key** file.

    ☐ d. Close the **File Explorer**.

    ☐ e. From the desktop of the **Console** systsem, locate and double-click the shortcut for **WinSCP**.

    ☐ f. In the **Login** window, select **New Site**. Provide the following information:

        ☐ i. In the **Host name** filed, enter ⊤ nbmaster1.example.com

        ☐ ii. In the **User name** field, enter ⊤ root.

        ☐ iii. In the **Password** field, enter ⊤ P@ssw0rd.

        ☐ iv. Click **Login**.

    ☐ g. Click **Yes** to cache the host key.

You are now connected to the **nbmaster1** system.

☐　h. In the left pane of the **WinSCP**, specify the path as **C:\Users\Administrator\Downloads**.

☐　 i. In the right pane, select the path as **/root/aptare_install_files/**.

☐　j. Move the **collector2.key** file to the **aptare_install_files**. You may use the drag and drop or copy-paste feature.
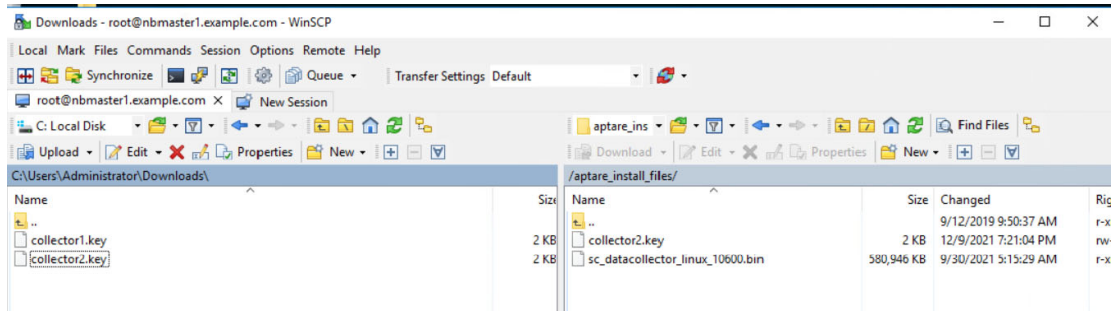


☐　k. Close the **WinSCP** window.

[Go to Lab Exercises](#)

# Exercise B: Installing the Data Collectors

In this exercise, you install the Data Collector binaries on **collector1** and **collector2** systems.

> 📄 **collector2** is an alias for the NetBackup master server, **nbmaster1.example.com**.

## Installing the Data Collector software on a Windows server

☐ 1. Sign in to the 🖥 collector1 system using the following credentials.

| | |
|---|---|
| **Username:** | 🔲T **EXAMPLE\Administrator** |
| **Password:** | 🔲T **P@ssw0rd** |

☐ 2. Double-click the **Aptare_DC_Install_Files** shortcut, located on the desktop of the **collector1.example.com** system, to launch **File Explorer**.

☐ 3. In the **File Explorer** window that is displayed, double-click the **sc_datacollector_win_10600** file to launch the installer.

> 📄 After checking the available disk space and downloading the installer, a window to select the **Language** is displayed.

☐ 4. Select the language as **English** and click **OK**.

☐ 5. In the **Introduction** window, click **Next** to proceed to the **License Agreement** screen.

☐ 6. On the **License Agreement** screen, select the **I accept the terms of the License Agreement** checkbox and click **Next** to proceed to the **Choose Install Folder** screen.

☐ 7. On the **Choose Install Folder** screen, retain the default values and click **Next** to proceed to the **Pre-Installation Summary** screen.

☐ 8. On the **Pre-Installation Summary** screen, review the details that are displayed and click **Install** to start the installation.

> **Note**: The installation process might take 1-2 minutes to complete.

After the installation completes, the **Configuration Settings** window is displayed.

☐ 9. On the **APTARE IT Analytics Data Collector – Configuration Settings** window, select **Data Collector (includes WMI Proxy)** in the **Data Collection Tasks** drop-down box and click **Next** to proceed to the next screen.

☐ 10. Enter the following configuration settings and click **Finish**.

| Field | Value |
|---|---|

| Field | Value |
|---|---|
| Data Collector Name | T **collector1** |
| Password | T **P@ssw0rd** |
| Data Receiver URL | T **http://aptareagent.example.com** |
| Data Collector Key File: | Click the **Browse** icon and navigate to **This PC\C:**. Select the **collector1.key** file. |

☐ 11. On the **Get User Input** screen that is displayed, select the **Run later** radio button and click **Done** to proceed to the **Installation Complete** screen.

☐ 12. On the **Installation Complete** screen, click **Done** to exit the installer.

> 📄 The installer configures the Data Collector to start automatically, however, it does not start it upon completion of the installation. Perform the steps below to start the Data Collector.

☐ 13. Access the desktop of the **collector1.example.com** system.

☐ 14. Double-click the **Command Prompt** shortcut, located on the desktop of the **collector1.example.com** system, to launch the **Command Prompt**.

☐ 15. In the **Command Prompt** window, type the following command and press **Enter** to change directory to **C:\Program Files\Aptare\mbs\bin**.

   **Command:** T cd /d "C:\Program Files\Aptare\mbs\bin"

☐ 16. In the **Command Prompt** window, type the following command and press **Enter** to start the **Aptare Agent** service.

   **Command:** T startservices.bat

> 📄 The Data Collector installer configures the Data Collector process as a Service and hence the Windows services console **(services.msc)** can be used as an alternative to start the **Aptare Agent** service.

## Installing the Data Collector software on a Linux server

☐ 17. Access the desktop of the 🖥 **console** system.

☐ 18. If required, Sign in using the following credentials.

| 🖥 **console.example.com** | User name: **EXAMPLE\Administrator** | Password: **P@ssw0rd** |
|---|---|---|

☐

19. Double-click the **PuTTY** shortcut, located on the desktop of the **console.example.com** system, to launch **PuTTY**.

☐ 20. In the **PuTTY Configuration** window that is displayed, double-click the pre-configured entry for **nbmaster1.example.com**. The login prompt is displayed in a new window.

☐ 21. Login to the **nbmaster1.example.com** system using the following credentials.

> 🖥 **nbmaster1.example.com**        User ID: T **root**        Password: T **P@ssw0rd**

☐ 22. In the **Terminal window** that is displayed, type the following command and press **Enter** to change directory to **/aptare_install_files**

**Command:** T cd /aptare_install_files

☐ 23. In the **Terminal window**, type the following command and press **Enter** to launch the **APTARE IT Analytics Data Collector** installer.

**Command:** T ./sc_datacollector_linux_10600.bin

☐ 24. At the **CHOOSE LOCALE BY NUMBER:** prompt, enter **1** and press **Enter**.

☐ 25. Press **Enter** at the **Introduction** to continue. The **License Agreement** is displayed.

☐ 26. Read the license agreement and press **Enter** until the **"DO YOU ACCEPT THE TERMS OF THIS LICENSE AGREEMENT? (Y/N):"** prompt is displayed.

☐ 27. At the **"DO YOU ACCEPT THE TERMS OF THIS LICENSE AGREEMENT"** prompt, type **Y** and press **Enter** to continue.

☐ 28. At the **"ENTER AN ABSOLUTE PATH, OR PRESS TO ACCEPT THE DEFAULT:"** prompt, press **Enter** to accept the **Default Install Folder** and continue.

☐ 29. Review the details that are displayed and press **Enter** to start the installation.

> 📄 The installation process might take 1-2 minutes to complete.

After the installation is complete, the installer prompts for configuration settings.

☐ 30. At the **Data Collector Name** prompt that is displayed, type T **collector2** and press **Enter** to continue.

> 📄 **collector2** is an alias for the NetBackup master server, **nbmaster1.example.com**.

☐ 31. At the **Data Collector Password** prompt that is displayed, type T **P@ssw0rd** and press **Enter** to continue.

☐ 32. At the **Data Receiver URL** prompt that is displayed, type T **http://aptareagent.example.com** and press **Enter** to continue.

☐ 33. At the **Data Collector Key File :** prompt that is displayed, type T **/aptare_install_files/collector2.key**

☐ 34. At the **Use Proxies** prompt that is displayed, press **Enter** to retain the default value **(N)** and continue.

☐ 35. Press **Enter** to start the configuration.

☐ 36. After the configuration completes, press **Enter** to exit the installer.

> 🗋 The installer configures the Data Collector to start automatically, however, it does not start it upon completion of the installation. Perform the steps below to start the Data Collector.

☐ 37. In the **Terminal window**, type the following command and press **Enter** to change directory to **/opt/aptare/mbs/bin**.

**Command:** ⊤ cd /opt/aptare/mbs/bin

☐ 38. In the **Terminal window**, type the following command and press **Enter** to start the **Aptare Agent**.

**Command:** ⊤ ./aptare_agent start

☐ 39. In the **Terminal window**, type **exit** to close the session and return to the desktop of the **console.example.com** system.

## Checking the Data Collector status in the Portal

☐ 40. Access the **APTARE IT Analytics Portal**.

☐ 41. If required, login to the **APTARE IT Analytics Portal** using the following credentials:

| Username | ⊤ admin@example.com |
|----------|---------------------|
| Password | ⊤ P@ssw0rd |

☐ 42. If required, navigate to **Admin > Data Collection > Collector Administration**. The list of currently configured Portal Data Collectors is displayed.

☐ 43. Locate the entries for **collector1** and **collector2** and verify the **Collector State**.

The **Collector State** for both these collectors should be **Online** as illustrated in the figure below.



> 🗋 If the **Collector State** for the above collectors is **Offline**, click the **Refresh** button available on the **Collector Administration** page to refresh the view.

Also, note the **Collector Version** and the **Upgrade Manager** version. These were updated to version **10.6.5.01** automatically because the **Auto-Upgrade** settings were set to **Yes** while creating the **Data Collector**.

If the **Collector Version** and the **Upgrade Manager** version is not displayed on the **Collector Administration** page, check the Collector updates by navigating to **Admin > Data Collection > Collector Updates** page. The figure below displays the **Collector Updates** page.



☐  44. In the **APTARE IT Analytics Portal**, click **System Administrator > Log Out** to log out from the **APTARE IT Analytics Portal**.

☐  45. Close the **Google Chrome** browser window and log out from the **console.example.com** system.

---

**End of Lab**

---