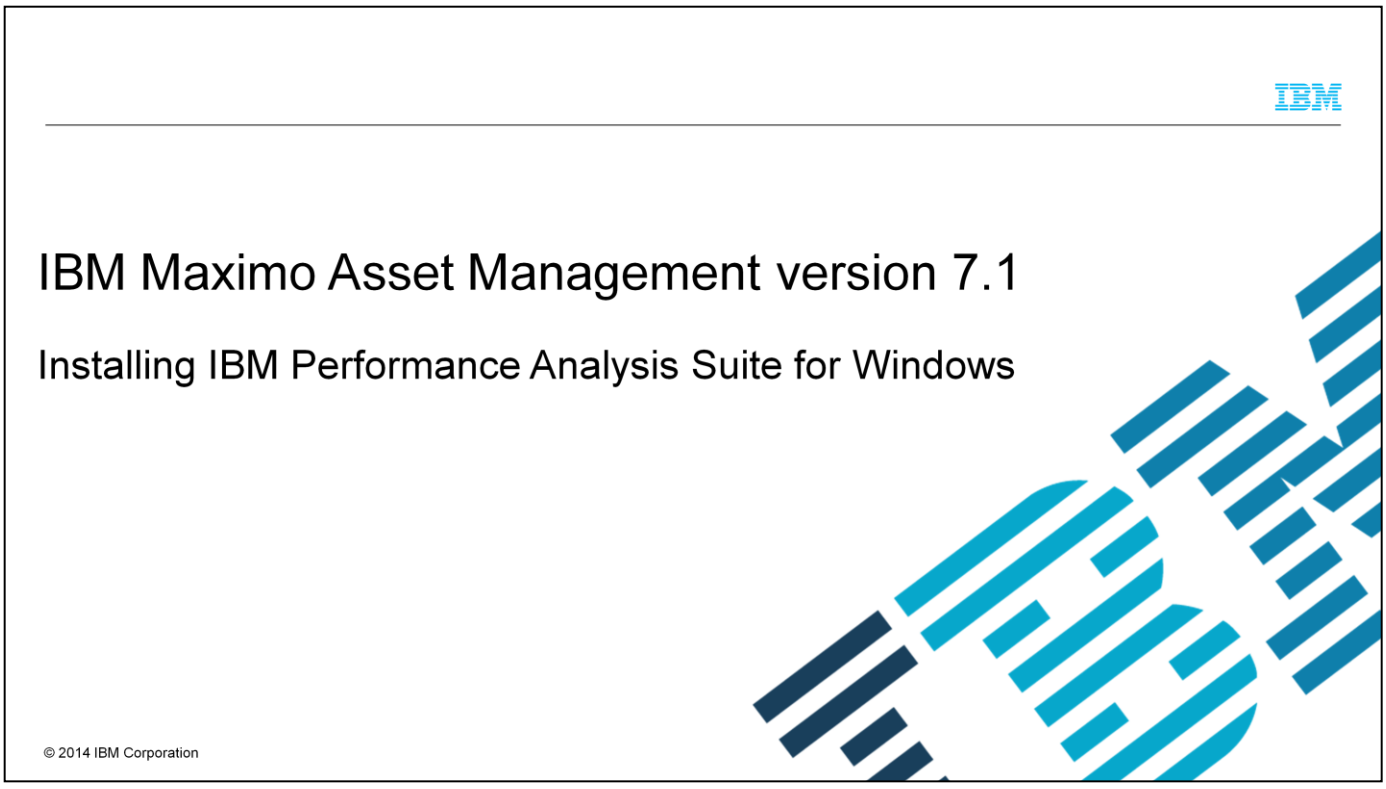

In this IBM Maximo® Asset Management version 7.1 training module, you learn how to install the IBM Performance Analysis Suite.

Assumptions

These assumptions are made:

- You understand that the installation package download includes optional files
- You verified successful installation of Java version 6 or later before installation of the IBM Performance Analysis Suite
- The installation is for a Windows Server 2008 operating system environment

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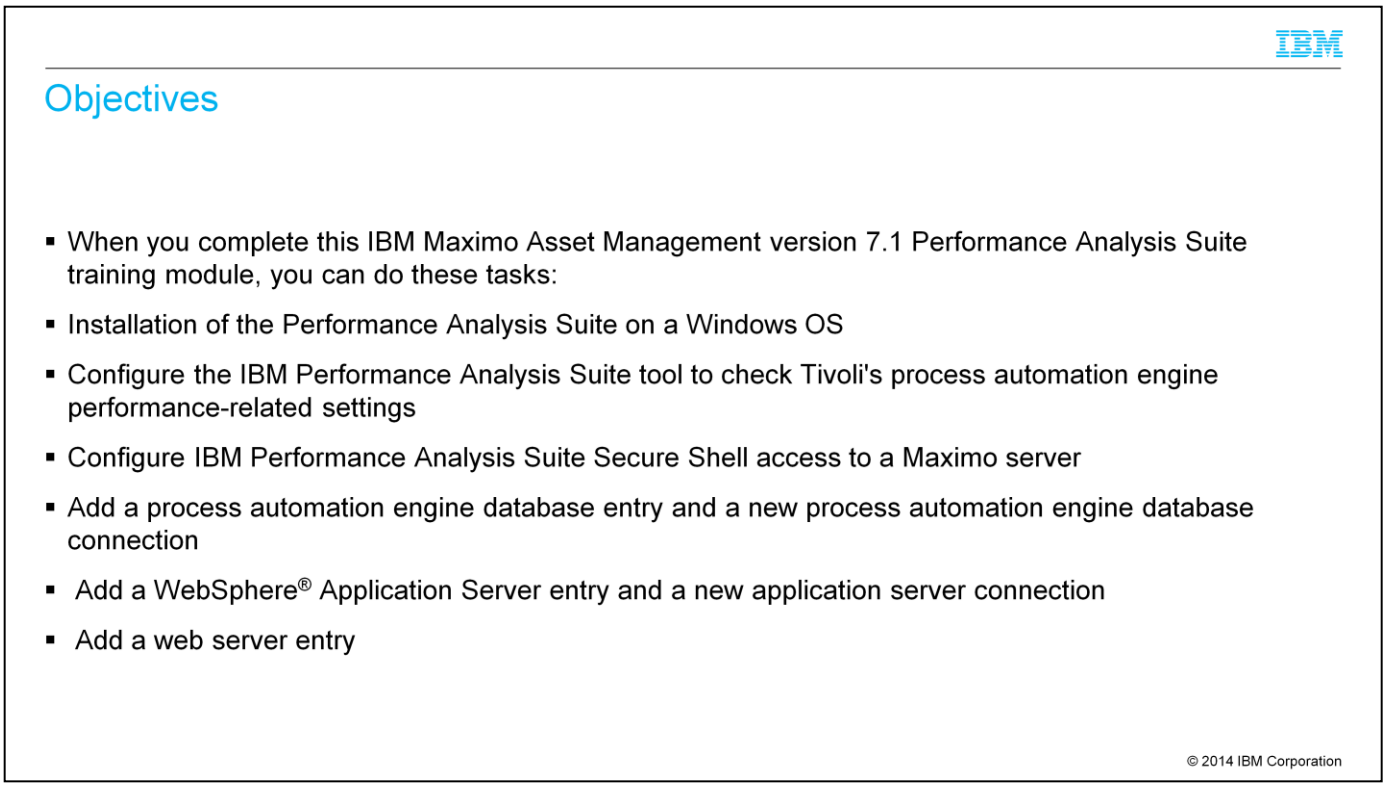
Optional files are included in the installation package. Java version 6 or later must be installed before installation of the IBM Performance Analysis Suite. The charting functionality of IBM Performance Analysis Suite is available only after downloading, extracting, and installing the .zip files.



These objectives are covered in this module:

Install the Performance Analysis Suite on a Windows OS

Install the optional plug-ins that provide the IBM Performance Analysis Suite charting functionality

Configuring the IBM Performance Analysis Suite tool to check Tivoli's process automation engine performance-related settings

Configuring the IBM Performance Analysis Suite Secure Shell access to a Maximo server

Adding a process automation engine database entry and a new process automation engine database connection

Adding a WebSphere Application Server entry and a new application server connection

Adding a web server entry

Performance Analysis Suite download

- Go to the download URL location:
  https://www.ibm.com/developerworks/community/groups/service/html/communityview?communityUuid=28cb6d68-ab67-4203-96f9-5538e654a5ff
- Download perfanalyst-1.1.0-general.zip
- Extract the downloaded file

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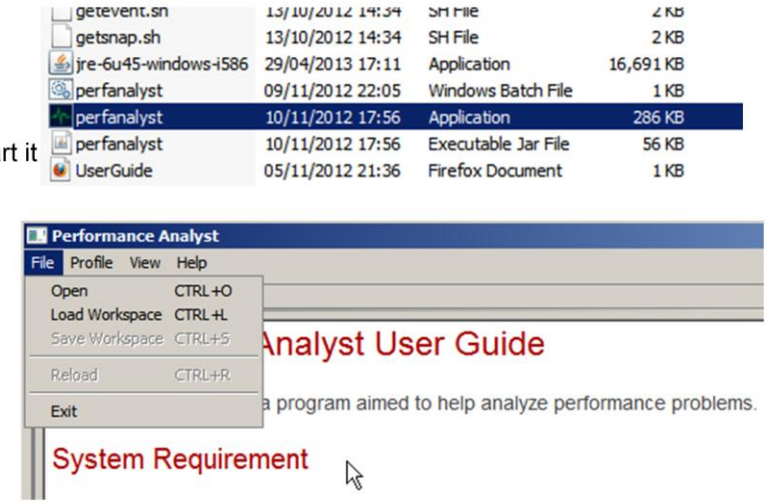
Download the Performance Analysis Suite from IBM developerWorks. Download the tool, which includes the documentation. Extract the files to any folder location of your choice.

Starting the perfanalyst application

To start the Performance Analysis Suite:

- Verify installation of Java 6 or later
- Double-click the perfanalyst application to start it
- Click **File** and select **Open**



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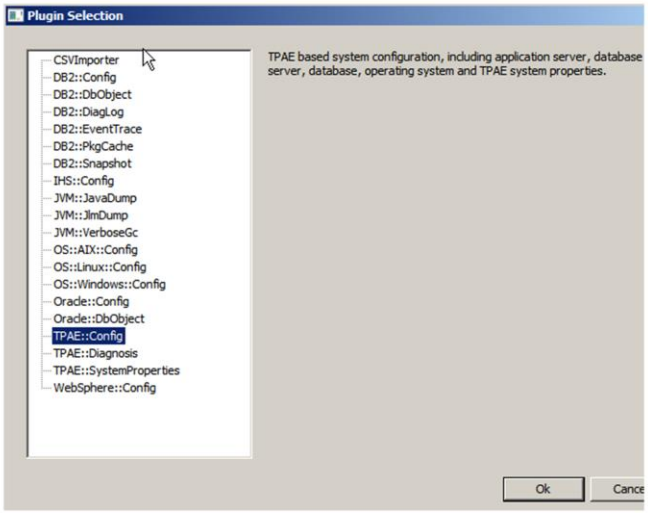
Verify that the system on which you run the tool has Java 6 or later installed. From the installation directory, double-click the perfanalyst application to start it. A splash screen shows briefly, then the application opens and shows the user guide. Click **File** and select **Open**.

Selecting a plug-in

- Select TPAE::Config



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Select TPAE::Config from the list of optional plug-ins and click **OK**.

Configuring the environment profile (1 of 2)

- In the Environments window, click the **New** icon

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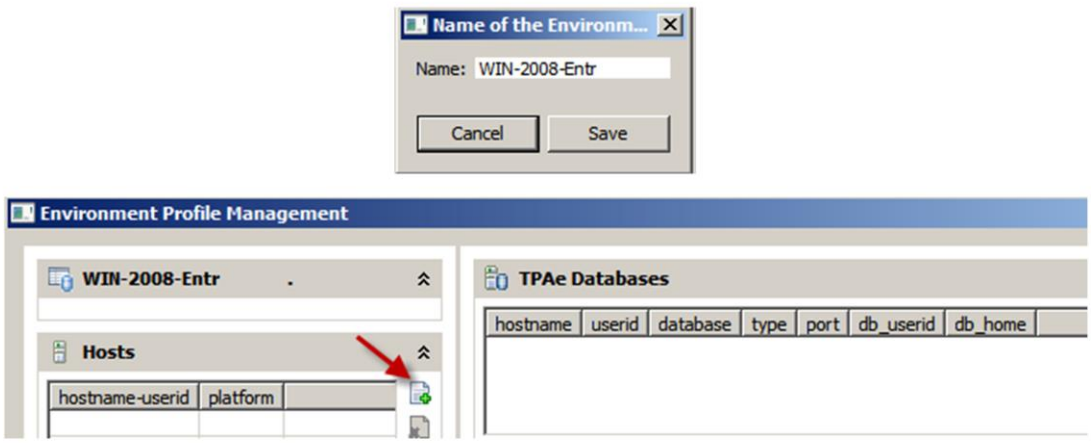
You need an environment profile to access the components of the running system. Click the upper left icon in the Environments window to create a new environment profile.

Configuring the environment profile (2 of 2)

- Enter a profile name and click the New button in the Hosts section



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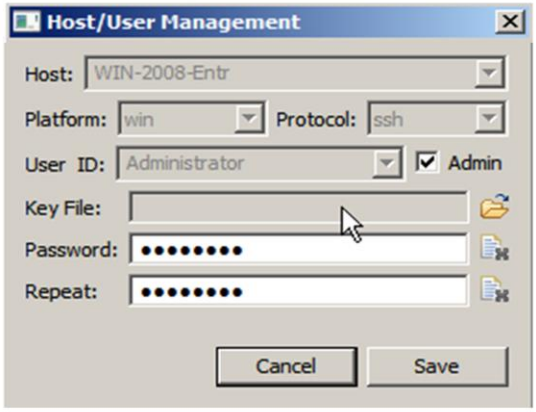
Enter a profile name and click **Save**. Next, the Environment Profile Management window opens with a new empty profile. Click the New icon in the Hosts section.

Configuring the host and user information

- Enter host information for the server where Maximo runs.



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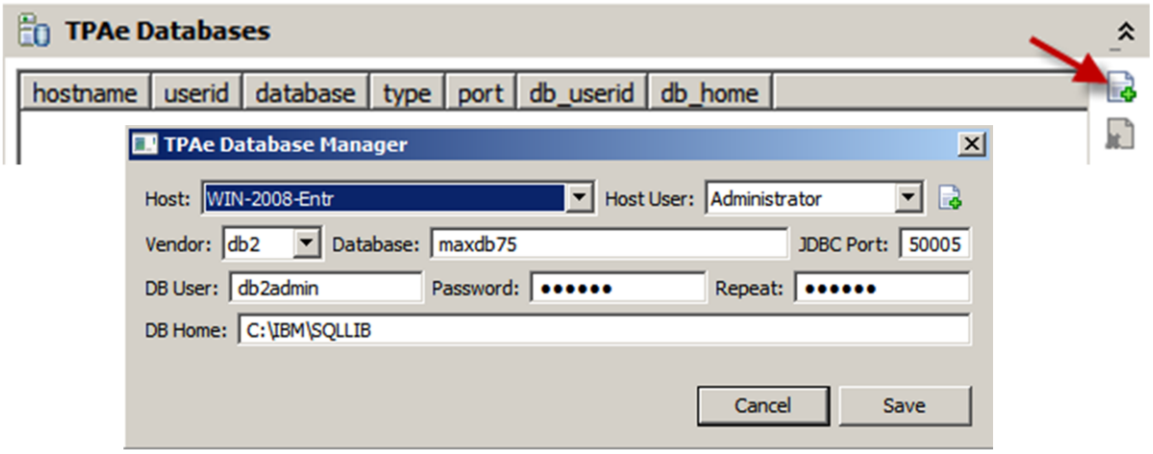
On the host user management pane, enter the host, the platform, the protocol to use for connection, the user ID, and the password for the Maximo server. Repeat the password entry and click **Save**.

Configuring the database manager

- Click to create a new database entry and enter information to allow connection to the Maximo database.



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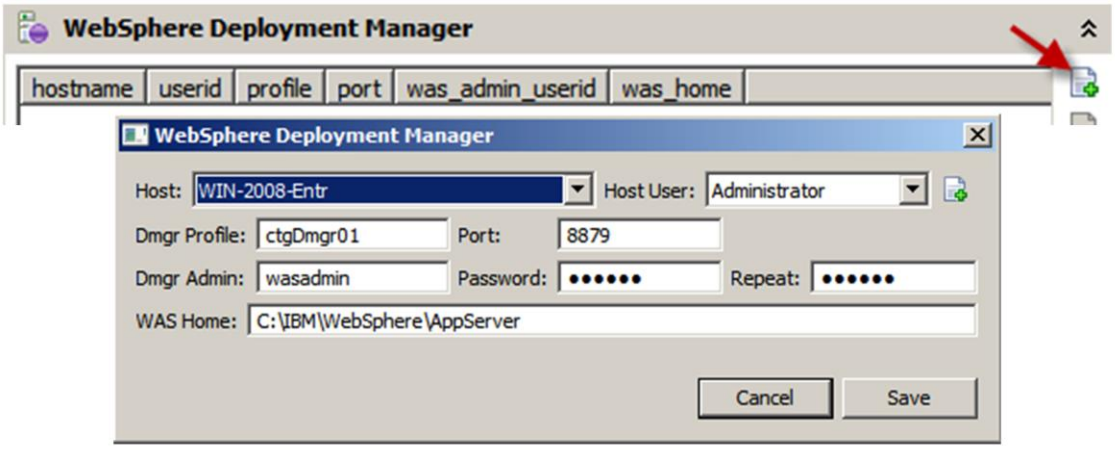
In the environment management profile window, click the "new" icon in the process automation engine databases section. In the TPAe Database Manager window, select the host and host user. Next, enter the database vendor, the database name, JDBC port, database user name, and password. Repeat the password entry. Enter the database home path in the DB Home field and click **Save**.

Configuring the connection to WebSphere Application Server

- Click to create a new entry and enter information to connect to WebSphere Application Server.



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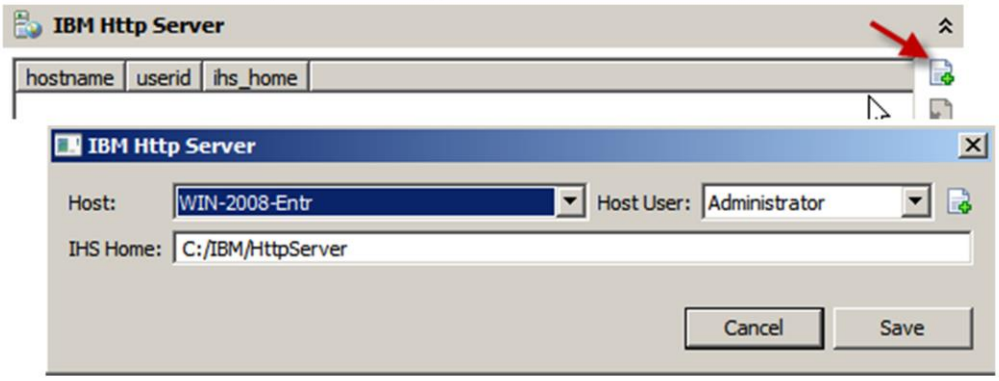
In the environment management profile window, click the "new" icon in the WebSphere Deployment Manager pane. In the WebSphere deployment manager window, select the host and host user. Enter the deployment manager profile name, port number, the deployment manager user name, and the password for connection to the deployment manager. Repeat the password entry. Next, enter the WebSphere Application Server home path in the **WAS Home:** field and click **Save**.

Configuring the IBM HTTP Server information

- Click to create a new Http Server entry, enter HTTP information, and click Save.



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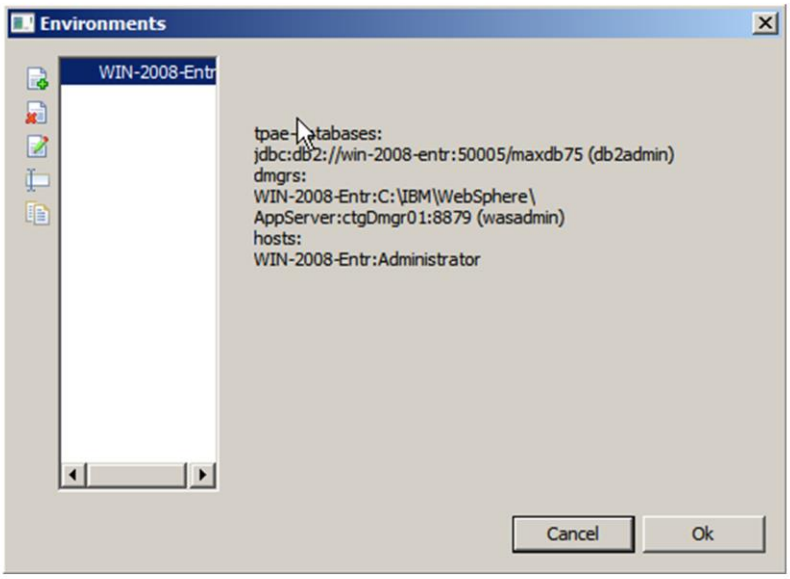
In the environment management profile window, click the "new" icon in the IBM HTTP Server section. In the "IBM Http Server" pane, select the Host and Host User.

Next, enter the IHS Home information and click **Save**. After that the Environment Profile Management window is shown. Click **Save** to save your environment profile.

Selecting the environment profile

- Select the environment profile



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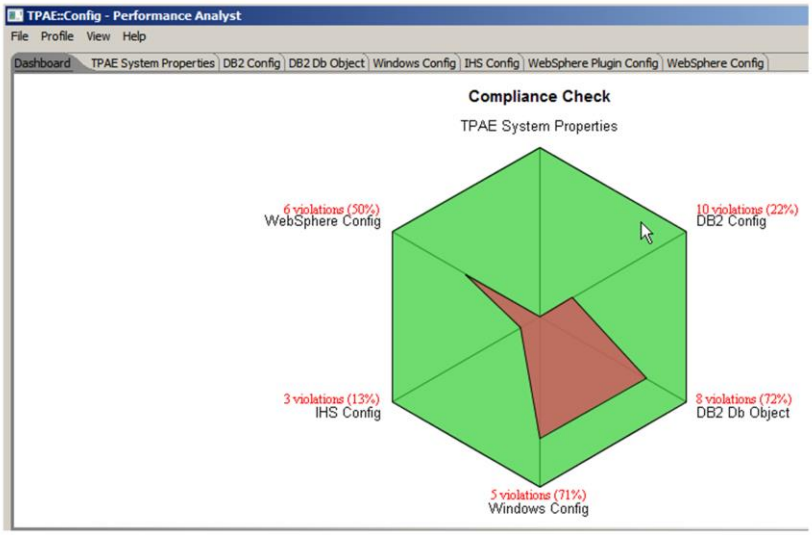
In the Environments window, select the new profile that you created and click **OK**.

The TPAE::Config Performance Analyst dashboard

- The **Dashboard** tab shows overall adherence to preferred practices



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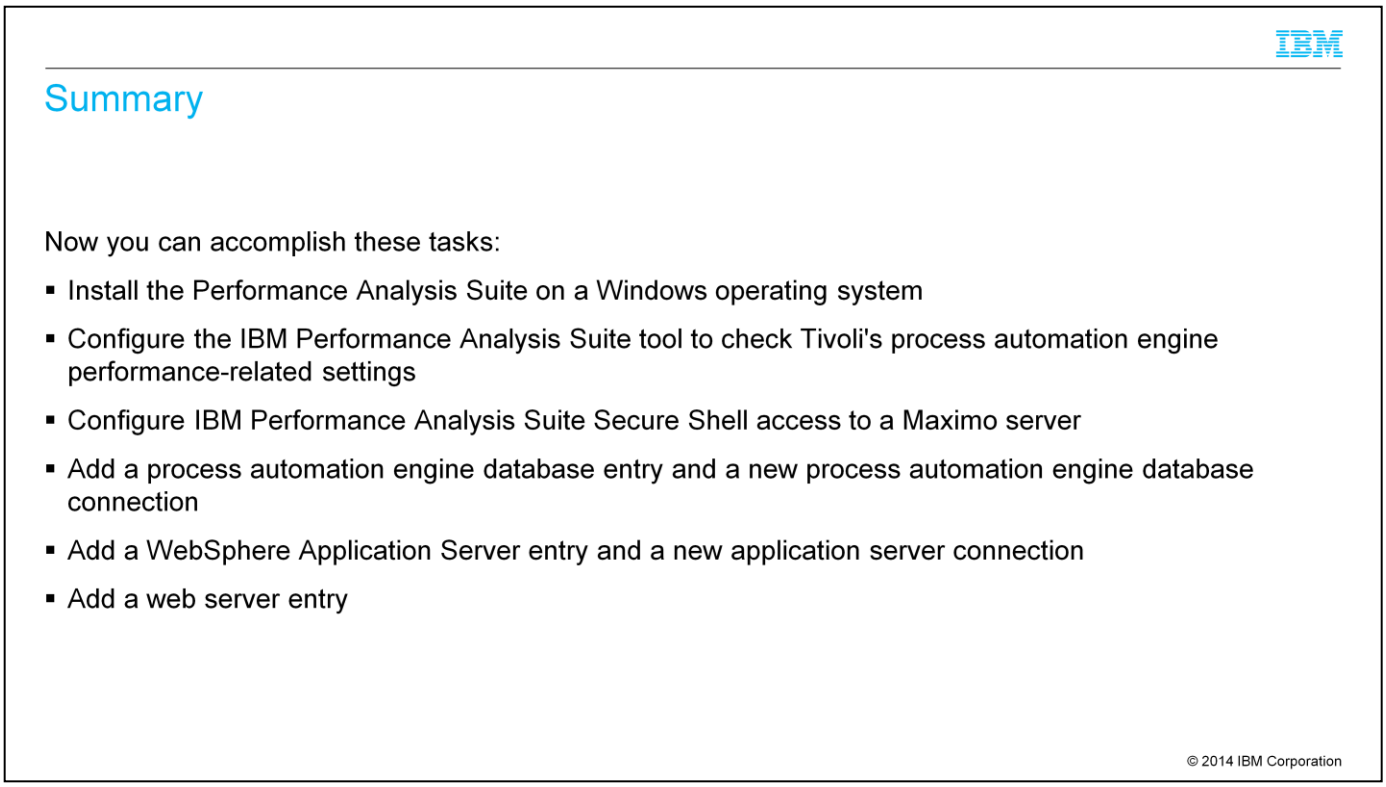
On this slide, the TPAE::Config plug-in output is shown. The **Dashboard** tab provides a diagram of adherence to IBM-suggested preferred practices for a Maximo installation. You can click any violation warnings to show more information. The other tabs show information for each area that is tested and show any violations. You can also click **File** and select **Save Workspace** to save the information to a file.



Now that you have completed this training module, you can accomplish these tasks:

Install Performance Analysis Suite on a Windows operating system

Install the optional plug-ins that provide the IBM Performance Analysis Suite charting functionality

Configure the IBM Performance Analysis Suite tool to check Tivoli's process automation engine performance-related settings

Configure IBM Performance Analysis Suite Secure Shell access to a Maximo server

Add a process automation engine database entry and a process automation engine database connection

Add a WebSphere Application Server entry and an application server connection

Add a web server entry

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