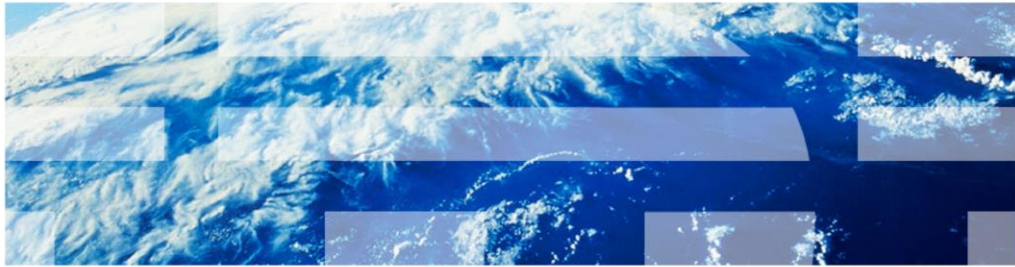


IBM Tivoli Monitoring Agent Builder V6.2.3

Creating an Agent Builder agent to monitor a log file



IBM Tivoli® Monitoring Agent Builder V6.2.3, Creating an Agent Builder agent to monitor a log file.

Objective

When you complete this module, you can create an Agent Builder agent to monitor a text file

This module contains the main steps involved in the creation of an Agent Builder agent that monitors a log file.

Objective.

When you complete this module, you can create an Agent Builder agent to monitor a text file.

Outline

- Scenario
- Creating the log agent
- Viewing the agent
- Installation options

This module explains the example scenario, the steps to create a log agent, where to view the agent, and the installation options.

Example scenario

- Create an Agent Builder agent to monitor a text file with this syntax:

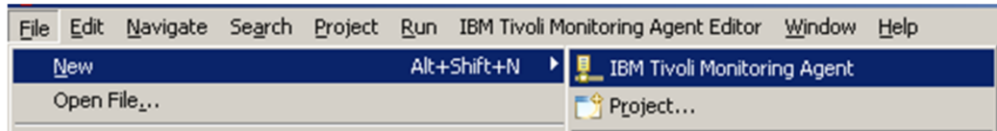
```
<variable_name>;<value>
```

- Examples
 - var1;1
 - var2;2

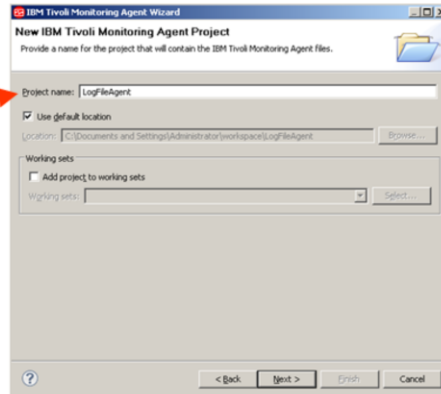
Consider this example scenario.

You want to monitor a log file with the syntax `<variable_name>;<value>`. There is important information that you want to add to the agent project so that the Agent Builder agent reads the log correctly.

Creating the log agent (1 of 6)



1. Open Agent Builder and click **File > New > IBM Tivoli Monitoring Agent** feature to start the creation of the agent
2. Type the project name



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Step 1. Open the Agent Builder tool and click **File > New > IBM Tivoli Monitoring agent**.

Step 2. When the project starts, type a project name for your agent.

Creating the log agent (2 of 6)

3. Select the operating systems where you have to install your agent

IBM Tivoli Monitoring Agent Wizard

General Information

Enter the description of the agent you are creating.

Display name: LogFileAgent

Copyright: IBM

Default Operating Systems

<input checked="" type="checkbox"/> AIX (32-bit)	<input checked="" type="checkbox"/> Linux 2.4 (Intel)	<input checked="" type="checkbox"/> Linux (64-bit Itanium)	<input checked="" type="checkbox"/> Windows
<input type="checkbox"/> AIX (64-bit)	<input checked="" type="checkbox"/> Linux 2.6 (Intel)	<input checked="" type="checkbox"/> Linux (64-bit x86)	<input type="checkbox"/> Windows (64-bit)
<input checked="" type="checkbox"/> HP-LUX (32-bit)	<input checked="" type="checkbox"/> Linux (31-bit zSeries)	<input checked="" type="checkbox"/> Solaris (32-bit SPARC)	
<input type="checkbox"/> HP-LUX (64-bit)	<input type="checkbox"/> Linux (64-bit zSeries)	<input type="checkbox"/> Solaris (64-bit SPARC)	
<input checked="" type="checkbox"/> HP-LUX (64-bit Itanium)	<input checked="" type="checkbox"/> Linux (64-bit PowerPC)	<input checked="" type="checkbox"/> Solaris (64-bit x86)	
<input type="checkbox"/> All operating systems	<input type="checkbox"/> All Linux	<input type="checkbox"/> All UNIX	<input type="checkbox"/> All Windows

< Back Next > Finish Cancel

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Creating an Agent Builder agent to monitor a log file

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When you create a new agent, you must select the operating systems where you are going to install the agent.

Step 3. Select the check boxes for all the involved operating systems.

Creating the log agent (3 of 6)

4. Type the **Product code** you want to associate to this agent

The screenshot shows the 'Agent Information' dialog box in the IBM Tivoli Monitoring Agent Wizard. The dialog box has a title bar that reads 'IBM Tivoli Monitoring Agent Wizard' and a subtitle 'Agent Information'. Below the subtitle is the instruction 'Specify the general information for the agent.' The dialog box contains several input fields: 'Service name' with the value 'Monitoring Agent for _logFileAgent', 'Product code' with the value 'K05', 'Company identifier' with the value 'K72', 'Agent identifier' with the value 'K05', and 'Version' with the value '623'. There is a checkbox labeled 'Support multiple instances of this agent' which is currently unchecked. Below the checkbox is a dropdown menu for 'Minimum ITM version' with the value '6.2.1'. At the bottom of the dialog box are four buttons: '< Back', 'Next >', 'Finish', and 'Cancel'. A red arrow points from the text '4. Type the Product code you want to associate to this agent' to the 'Product code' input field.

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Creating an Agent Builder agent to monitor a log file

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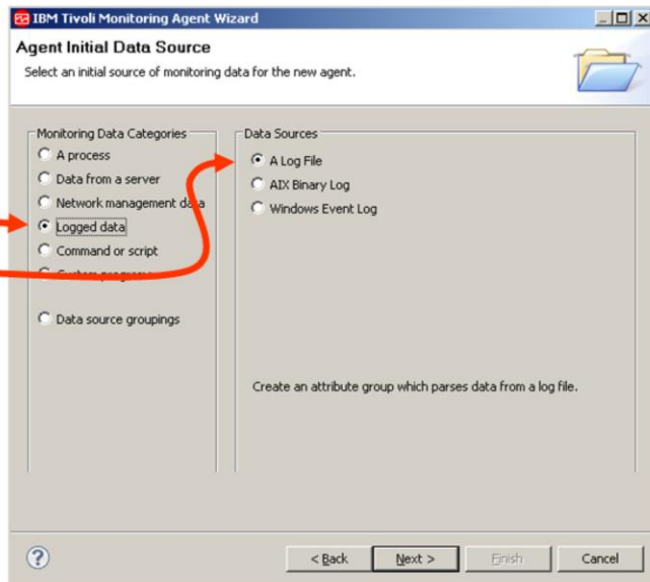
The product code is associated to the agent, and you can use this code to start the agent in a UNIX[®] or Linux[®] environment.

Step 4. Type the value for the **Product code**.

Creating the log agent (4 of 6)

5. Select the Data Provider you want to associate to your agent

- Select the following options:
- **Logged Data** from **Data Categories**
 - **A Log File** from **Data Sources**



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Creating an Agent Builder agent to monitor a log file

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After specifying the general information, you define the monitoring activities that are performed by your agent. In this example, your purpose is to monitor a log file.

Step 5. Select **Logged Data** from **Monitoring Data Categories** and **A Log File** from **Data Sources**.

Creating the log agent (5 of 6)

6. Type the information for the log file name you have to monitor

In this example the monitored log uses the syntax

```
<variable>;<value>
```

where ; is the separator text

The screenshot shows the 'Log File Information' dialog box in the IBM Tivoli Monitoring Agent Wizard. The 'Log file name' field is set to 'C:\test.txt'. Under the 'Field Identification' section, the 'Separator Text' option is selected, and the corresponding text field contains a semicolon (;). Other options like 'Fixed number of characters', 'Tab separator', 'Begin and End Text', and 'XML in element' are unselected. The dialog also includes buttons for 'Test Log File Settings', 'Advanced', '< Back', 'Next >', 'Finish', and 'Cancel'.

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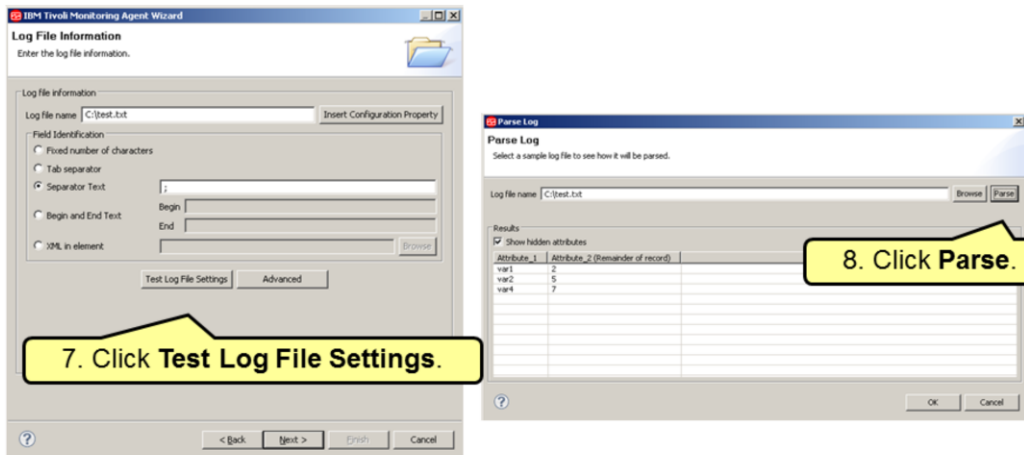
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When you select the Log Data Provider, you must specify the information about the log file you want to monitor. In particular the **Log file name** and the **Separator Text**.

Step 6. In this example, type **C:\test.txt** for the **Log File name** and ; (semi colon) as the **Separator Text**, according to the syntax of log file.

Creating the log agent (6 of 6)



7. Click **Test Log File Settings** to parse the monitored log
8. Click **Parse** to display the log data

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Creating an Agent Builder agent to monitor a log file

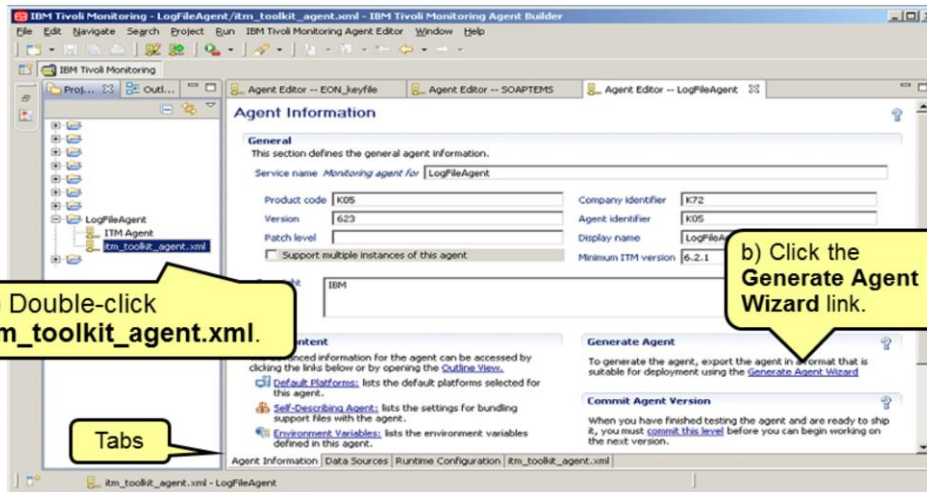
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7. Click **Test Log File Settings** to display the **Parse Log** window.

8. Click **Parse**. The tool reads and parses the log file; it creates the attributes.

In this example, there are Attribute_1 and Attribute_2. You can change the names of these attributes.

View the agent in the Agent Builder user interface



The agent is created. Click `itm_toolkit_agent.xml` to see the Agent Information view where you can start the Generate Agent Wizard. This procedure is to install the agent.

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The agent named LogFileAgent is created. After you double-click the item `itm_toolkit_agent.xml` in the left pane, the Agent Information displays to the right. At the bottom of the **Agent Information** pane, there are four tabs. On the **Data Sources** tab, you can view the agent definition and change it, if required.

In the lower-right corner, locate the **Generate Agent** area and click **Generate Agent Wizard**.

Installation options

- In the Generate Agent Wizard window select either of these two options:
 - Install the Agent Locally
 - Generate Agent Image
- For this example, create a compressed file used to install the agent remotely
 - Type the output directory name in the corresponding field
 - Select **Create a ZIP file**

Generate Agent Wizard

Generation Type
KQZ02021 Generating agent K05 (LogFileAgent).

Install the Agent Locally

ITM Installation directory C:\IBM\ITM Browse ?

Install the agent.

Install the TEM5 support.

Restart the TEM5 without credentials

Install the TEP5 support.

Restart the TEP5.

Generate Agent Image

Output directory C:\myAgents Browse

Keep the expanded files

Create a ZIP file

Create a TAR file

Generate an ITM 5x mapping file

Finish Cancel

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Creating an Agent Builder agent to monitor a log file

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When you start the Generate Agent Wizard feature, you can either install the agent locally or create a compressed file that you can use to install the agent remotely. In this example, the **Output directory** is set to **C:\myAgents** and the **Create a ZIP file** check box is selected.

Click **Finish** to generate the agent.

Review

- Creating the log agent
- Viewing the agent
- Installation options

Process review.

- Creating the log agent includes the following steps:

1. Use the New Agent feature.
2. Specify the project name.
3. Select operating systems.
4. Type the product code.
5. Select the Data Provider.
6. Enter the log file information.
7. Test the log file settings.
8. Parse and review the log file.

- After the agent is created, view and install the agent.

Summary

Now you have completed this module, you can create an Agent Builder agent to monitor a text file

Now you have completed this module, you can create an Agent Builder agent to monitor a text file.

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