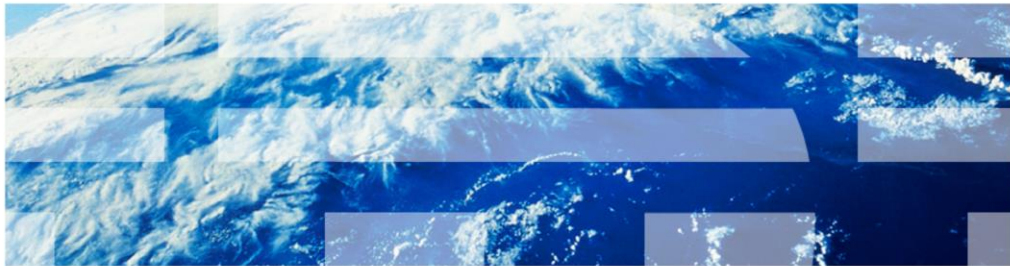


IBM Tivoli Composite Applications Manager for Transactions V7.3

Creating and deploying Internet Service Monitoring profiles



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IBM Tivoli® Composite Applications Manager for Transactions V7.3, Creating and deploying Internet Service Monitoring profiles

Assumptions

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 - Familiarity with Internet Service Monitoring profiles
 - Ability to use the Tivoli Enterprise Portal Internet Service Monitoring Configuration Tool

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Objectives

When you complete this module, you can perform these tasks:

- Create an Internet Service Monitoring profile
- Add and configure an ICMP profile element
- Associate a schedule with the profile
- Associate a Service Level Classification with the element
- Distribute the profile to an Internet Service Monitoring Agent and validate the results

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Creating and deploying a profile

- Steps for creating and deploying an Tivoli Composite Application Manager for Transactions V7.3 Internet Service Monitoring (ISM) profile
- Use the Tivoli Enterprise Portal Internet Service Monitoring Configuration Tool
 - Create, modify and delete profiles
 - Add monitor types
 - Add, remove, configure and modify element's
 - Set profile schedule
 - Define distribution: assign the profile to many hosts, or a host to many profiles

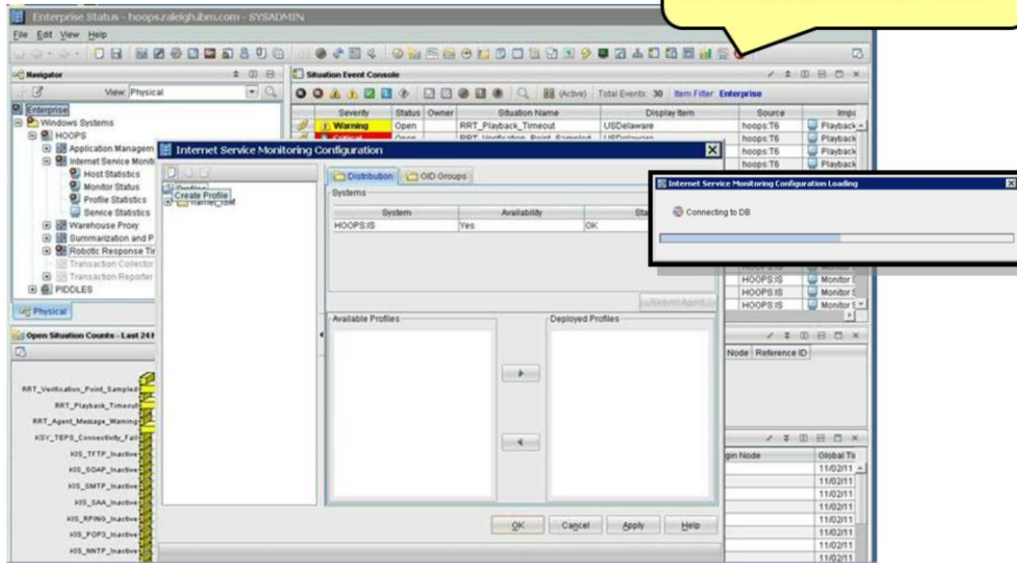
Use these steps to create and deploy an Internet Service Monitoring profile.

1. Create, modify, and delete profiles.
2. Add monitor types.
3. Add, remove, configure, and modify elements.
4. Set profile schedule.
5. Define distribution by either assigning the profile to many hosts or a host to many profiles.

Profile Editor



Click the **ISM** icon. Internet Service Monitoring connects to the database and loads data.



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Creating and deploying Internet Service Monitoring profiles

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On Tivoli Monitoring, you can open the Tivoli Enterprise Portal and launch the Internet Services Monitoring Configuration Editor by doing one of the following tasks:

- Select **Edit > Internet Service Monitoring Configuration** from the menu bar
- Click the **Internet Service Monitoring Configuration** icon in the toolbar or press Ctrl+I

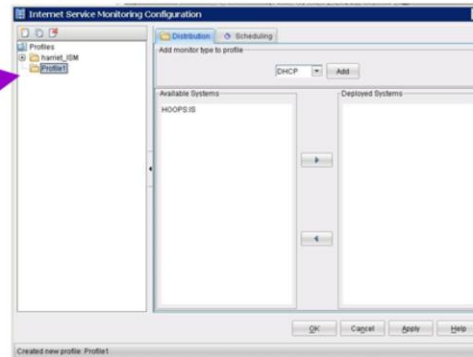
In the **Internet Service Monitoring Configuration Editor**, click the **Create Profile** icon in the upper left.

Creating a profile

1. In the **Input Profile Name** window, type the profile name and click **OK**.



2. The profile displays in the **Profiles** pane of the Internet Service Monitoring Configuration Editor.



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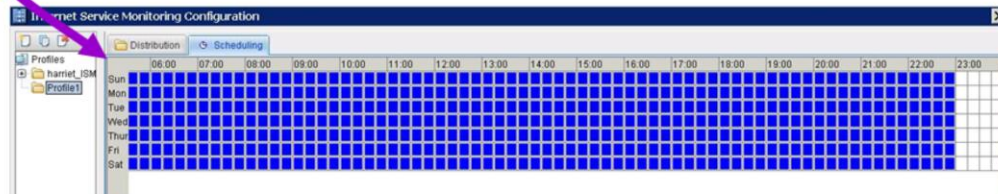
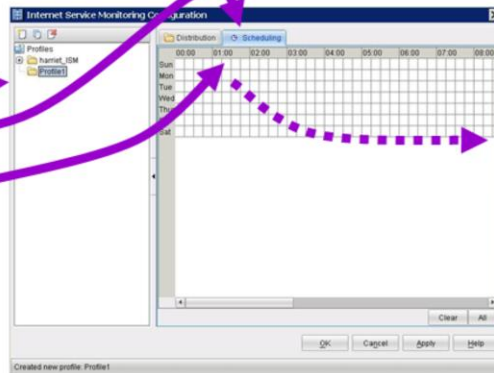
Creating and deploying Internet Service Monitoring profiles

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In the **Input Profile Name** window, enter the name of your profile, in this example, **Profile1**, and click **OK**. The profile displays in the **Profiles** pane of the Internet Service Monitoring Configuration Editor.

Profile scheduling

1. To associate a schedule that deactivates monitoring between 11 p.m. and 1 a.m. with the profile, click the profile.
2. Click the **Scheduling** tab.
3. Drag the box indicating Sunday 1:00 am to the right and slightly to the square that indicates Saturday at 11:00pm (23:00). The selected interval is highlighted.
4. Click **Apply** to save.



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Creating and deploying Internet Service Monitoring profiles

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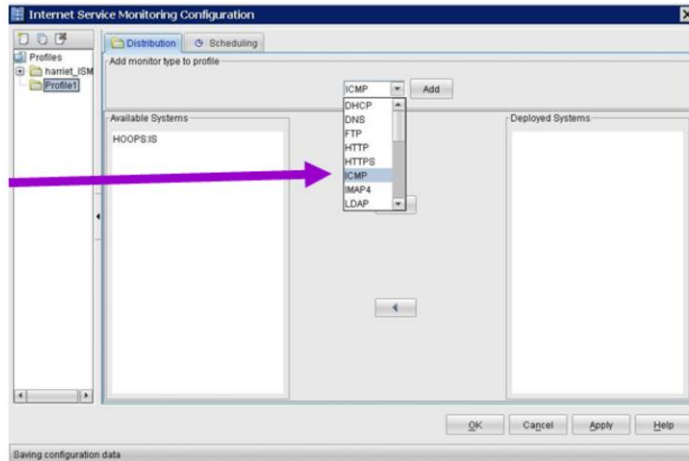
Profile scheduling.

1. To associate a schedule that deactivates monitoring between 11 p.m. and 1 a.m. with the profile, click the profile.
2. Click the **Scheduling** tab. It highlights in blue.
3. Drag the box indicating Sunday 1:00 am to the right and down to the square that indicates Saturday at 11:00 p.m. (23:00). The selected interval is highlighted as shown in the bottom image.
4. Click **Apply** to save.

Profile element (1 of 3)

Perform the three steps on these three slides to add an ICMP element

1. Click **ICMP** from the menu in the **Add monitor type to profile** section and click **Add**.



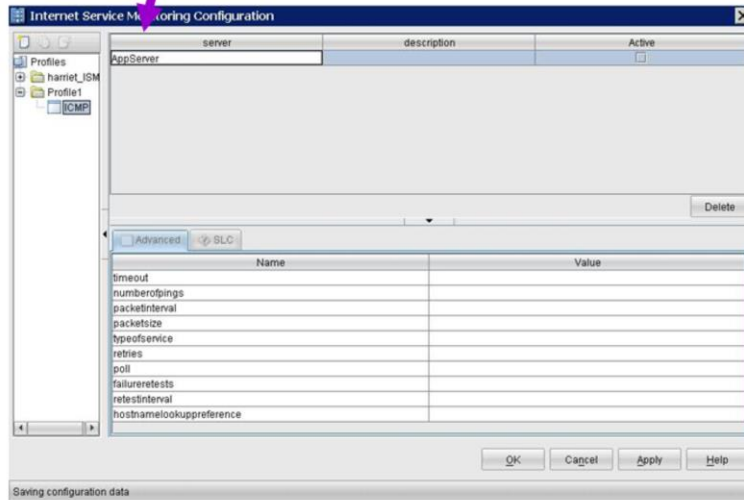
Profile Element.

Perform the three steps on these three slides to add an ICMP element.

Step 1. Click **ICMP** from the menu in the **Add monitor type to profile** section and click **Add**.

Profile element (2 of 3)

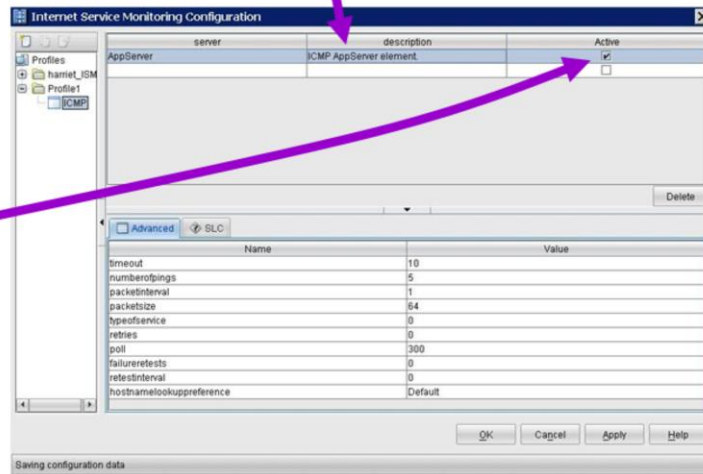
2. In the **element** window, click the **server** field and type AppServer. The field is unavailable until you start typing.



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Profile element (3 of 3)

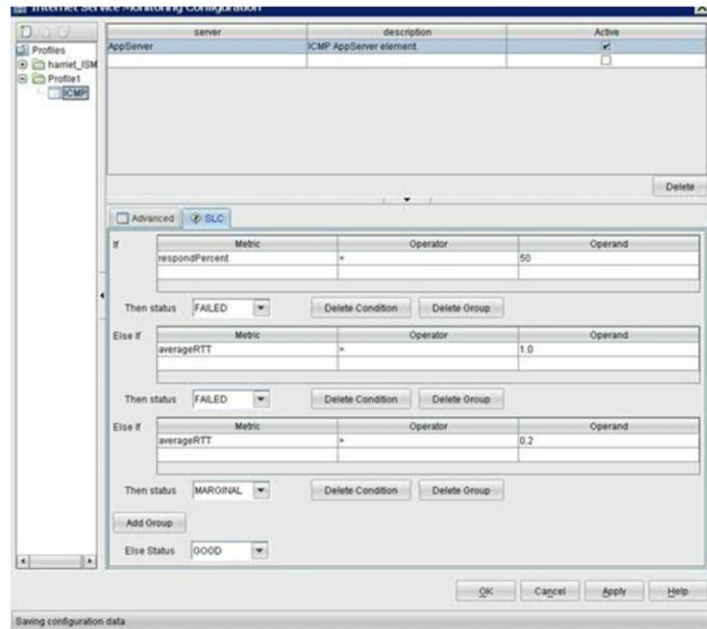
3. When you click the **description** field, the description automatically populates, and the element automatically activates.



3. When you click the **description** field, the description automatically populates, and the element automatically activates. You can see the **Active** check box is selected.

Service level classification

Service level classifications are optional monitor parameters that can be applied to all monitors



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Creating and deploying Internet Service Monitoring profiles

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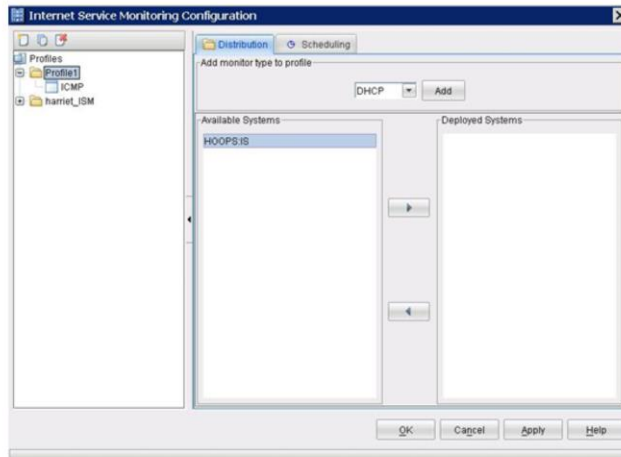
Service level classifications are optional monitor parameters that can be applied to all monitors. They define the rules used by monitors to evaluate how well a monitored service is performing. The results form the basis for service level agreements (SLA) evaluation. The image shows how service level classifications displays in the default ICMP configuration.

These settings state the following information:

- If the percentage of pings sent for which there was a response is less than 50%, or the average round trip time for a ping is > 1 ms, the status of the element is FAILED
- If the average round trip time is > 0.2 ms then the test element is MARGINAL
- With all other pings (< 0.2 ms), the element is considered GOOD

Deploying profiles

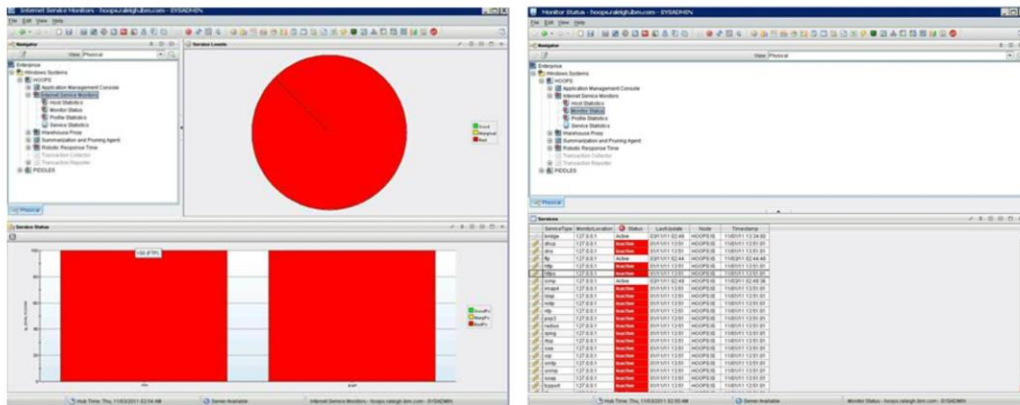
1. Click the system in the **Available Systems** group.
2. Click the right arrow to move the selected system to the **Deployed Systems** group.
3. Click **Apply** to save your changes and deploy the profile to the agent.
4. Click **OK** to dismiss the Internet Service Monitoring Configuration window.
5. Confirm that the profile element has been distributed.
 - Locate the **icmp.xml** file
 - Check the last modified date and time
 - Open the file and review ICMP element settings



Deploying the profile.

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5. Confirm that the profile element has been distributed to Tivoli Monitoring.
 - a. Locate the **icmp.xml** file.
 - b. Check the last modified date and time.
 - c. Open the file and review ICMP element settings.

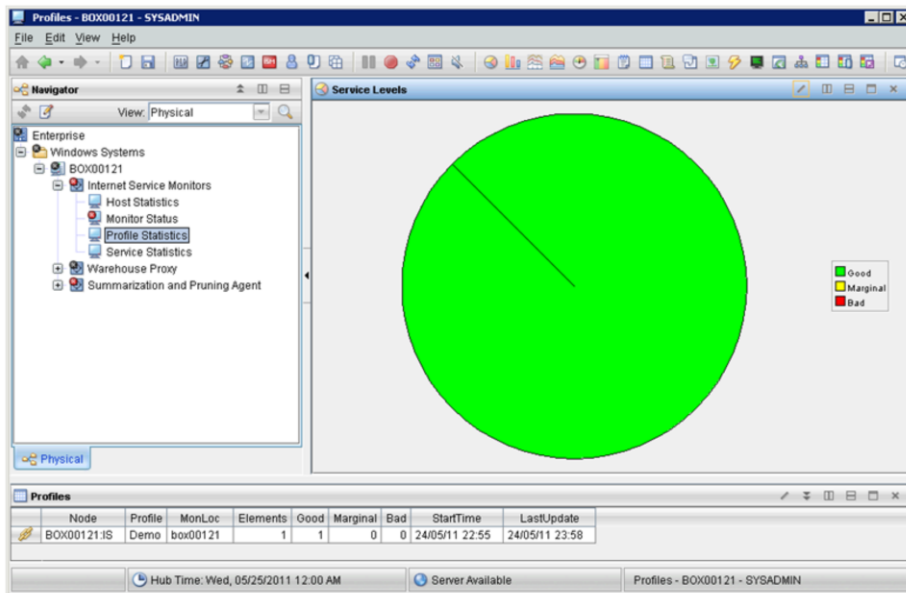
Viewing profile data



The Internet Service Monitors workspace shows you the combined SLA status for all monitors running on an Internet Service Monitoring agent and the health of each monitor type that has been distributed to the agent. This workspace is the default workspace for any Internet Service Monitoring agent.

Wait at least two minutes from the time you deployed the profile to ensure at least two iterations of your ICMP element.

Sample Element / HTTP - Profile Statistics



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Creating and deploying Internet Service Monitoring profiles

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The **Profile Statistics** workspaces focus on the profiles, combining data from all the monitoring elements represented in each profile.

The main **Profile Statistics** workspace shows the high-level overview of the different profiles running on the selected Internet Service Monitoring agent.

From the **Profiles** view, you can drill down into details for a specific profile by clicking the link icon in front of the profile for which you want to see the details.

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Review the steps to create and deploy an Internet Service Monitoring profile.

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Summary

Now you have completed this module, you can perform these tasks:

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