

IBM Tivoli Monitoring V6.3

How to use the built-in web interface of the log file agent

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This presentation covers how to use the built-in web interface of the log file agent.

Assumptions

- Before you proceed, the module designer assumes that you have these skills and knowledge:
 - You know what the log file agent is being used for
 - You can access the machine by web browser on which the log file agent is running

The module developer assumes that you know what the IBM Tivoli® Monitoring V6 log file agent is being used for, and that with a browser, you can access the machine where the IBM Tivoli Monitoring V6 log file agent is running. The browser does not need to be installed locally on the agent machine.

Objectives

- When you complete this module, you can perform these tasks:
 - Set trace levels of the log file agent dynamically without the need to restart it
 - Check the current settings of the log file agent
 - Check the current values and situations that are collected by the log file agent

This module shows you how to set the trace levels of the log file agent dynamically without the need to restart it, check the current settings of the log file agent, and check the current values and situations that are collected by the log file agent.

Accessing the web interface (1 of 2)

- Use this URL in your web browser to access the web interface:
http://<hostname of agent>:1920
- Web browser returns an output similar to this:



Access the agent through a web browser. For the URL, specify the hostname of the agent and port 1920 as shown in this slide.

You will see a list of all running IBM Tivoli Monitoring V6 components on this specific machine. In the screen capture you see the Oracle agent and the Tivoli Enterprise Monitoring Server.

Accessing the web interface (2 of 2)

In web browser window, look for an entry like this:

- Service Point: [REDACTED]_lo_test
 - [IBM Tivoli Monitoring Service Console](#)
 - [IBM Tivoli LO Agent Service Interface](#)

You need to look for “_lo”, which is the two-character product key for the log file agent

▪ **IBM Tivoli Monitoring Service Console:**

This link is needed to change the trace settings dynamically

▪ **IBM Tivoli LO Agent Service Interface:**

This link is needed to view the values that are returned by the agent

Most of the IBM Tivoli Monitoring V6 components will show you two different links: The Service Console, which is needed to change the trace level, and the Service Interface, which is needed to access all the other functions to view the values collected by the agent.

The requested agent, in this case the log file agent, will appear only if it is running. If an agent is stopped, it will not be listed here.

Setting agent trace settings dynamically (1 of 2)

- Web browser shows this page after you click the link IBM Tivoli Monitoring Service Console

```

tms_ctbs623_d1195a          IBM Tivoli Monitoring Service Console          Win2008.6.0.SP2
wv/1386                      lo test
System Name: [REDACTED]          Process ID: 1704
Program Name: klogent_test      User Name: SYSTEM
Task Name: windows_gp          System Type: Win2008;6.0-SP2
MAC1_ENV Macro: 0xC112         Start Date: 2014/08/14
Start Time: 03:31:15           CPU Count: 2
Page Size: 4K                  Phys Memory: 3839M
Virt Memory: 2048M             Page Space: 7860M
UTC Start Time: 53ec1163       ITM Home: C:\IBM\ITM
ITM Process: [REDACTED]_lo
Service Point: system.[REDACTED]_lo
Executable Name: C:\IBM\ITM\THAITM6\klogent_test.exe
KBB_RAS1: TEST
KBB_RAS1_LOG: C:\IBM\ITM\THAITM6\logs\[REDACTED]_lo_test_klogent_53ec1163-.log INVENTORY=C:\IBM\ITM\THAITM6\logs\[REDACTED]_lo_test
KBB_ENVFATH: C:\IBM\ITM\THAITM6\KLOGENV_test
  
```

Submit Reset

Set the new trace settings here

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In this slide, you can see the web page after you click the Service Console link.

Before you reach this page, you will be asked to log in. Use the same user ID that is used to start the agent. For Windows®, this ID is typically the Administrator, and on Linux® or UNIX®, it is the root user.

At the bottom of the page, there is a text area where the new trace level has to be specified.

Setting agent trace settings dynamically (2 of 2)

- Set a trace level by using this command:

```
ras1 set <tracelevel>
```

- For example,

```
ras1 set ERROR (UNIT:genericagent ALL)
```

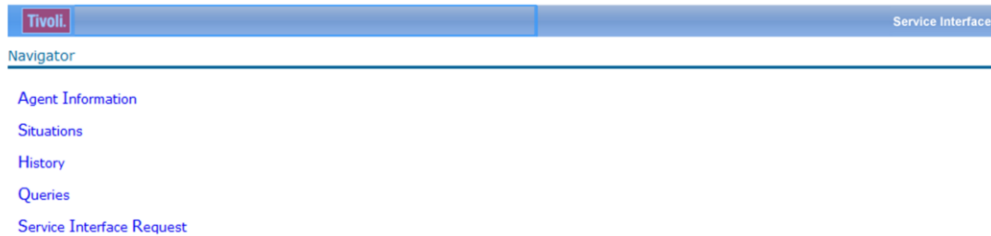
- Required trace level will be given by IBM support.

Normally you do not change the trace level of the agent. But in case it behaves incorrectly and you open a ticket with IBM, the support personnel will request logs at a certain trace level.

You can set the trace level in the normal configuration files and restart the agent or you can set the trace level dynamically without the need to restart the agent.

The command to set the trace level dynamically is `ras1 set`, as you can see from the example that is shown in this slide.

Accessing agent service interface



This slide shows the page that you see when you click the Service Interface link.

The five links give you direct access to all of the values that are collected by the agent. You do not need any additional software like the Tivoli Enterprise Portal console for this operation.

Agent information

Tivoli		Service Interface
Agent Information		
Attribute	Value	
HOSTNAME	[REDACTED]	
NODENAME	test2-[REDACTED]:LO	
SUBSYSID	test2	
NODEINFO	Win2008~6.0-SP2	
PRODUCT	LO	
VERSION	06.22.04	
LEVEL	A=01:WINNT C=06.23.00.00:WINNT G=06.23.00.00:WINNT	
PATCHLEVEL	A=01:WINNT;C=06.23.00.00:WINNT;G=06.23.00.00:WINNT;	
AFFINITY	%IBM.KLO.0000000040000u0a4	
BOOTTIME	Thu Aug 14 03:31:27 2014	
	<ul style="list-style-type: none"> • KBB_RAS1=ERROR • KBB_VARPREFIX=\$ • KBB_RAS1_LOG=C:\IBM\ITM\TMAITM6\logs\\$(computername)_lo_\$(INSTANCE)_kloagent_\$(sysctstart)-log INVENTORY=C:\IBM\ITM\TMAITM • CANDLE_HOME=C:\IBM\ITM • KDH_SERVICEPOINT=\$(computername)_lo_\$(INSTANCE) • IRA_SERVICE_INTERFACE_NAME=\$(computername)_lo_\$(INSTANCE) 	

This page is shown when you choose the Agent information link in the Service Interface page. Here you can see the agent version and the settings of all environment variables that are used when the agent is started.

Situations

Tivoli		Service Interface
KLO_Log_Agent_Config_Error		
Attribute	Value	
TYPE	Sampled	
INTERVAL	60	
ROWSIZE	324	
FIRSTSTARTTIME	Mon Jul 30 15:22:30 2012	
LASTSTARTTIME	Thu Aug 14 03:40:48 2014	
LASTSTOPTIME	NA	
FIRSTEVENTTIME	NA	

In the Situations link, all of the distributed situations and their values are shown.

History

Tivoli Service Interface

Choose a history table

Select time range

Start date:

Start time:

End date:

End time:

Click "Report" after making table, column, and time selections.

(No table selected)

Selected	Column name
<input type="button" value="Select all columns"/>	<input type="button" value="Deselect all columns"/>

The History link gives you access to the historical data collected on the agent.

Because this function uses the historical data, which is being saved directly on the agent, be aware that this data is only available if you fulfill these points:

Historical Data Collection for this agent needs to be enabled;

In the settings of the Historical Data Collection, you must choose that data is being saved in the agent, and NOT on Tivoli Enterprise Monitoring Server.

After the Warehouse Proxy Agent collects the data and saves it in the Warehouse database, the local historical data is removed, so normally the historical data will not be older than 24 hours.

Queries (1 of 2)

Choose the Attribute Group that you want to see

Table Name

<Select table> ▼

<Select table>

KLOLOGEVTS

KLOPOBJST

KLOTHPLST

KLOLOGFST

Use the Queries link to browse through the real-time data collected by the agent. First, choose the Attribute Group that you are interested in.

Queries (2 of 2)

Tivoli Service Interface

Table Name
KLOGFST

Name	Display	Type	Length	Minimum
ORIGINNODE	KLO_LOG_FILE_STATUS.Node	2	32	
TIMESTAMP	KLO_LOG_FILE_STATUS.Timestamp	2	16	
TBLNAME	KLO_LOG_FILE_STATUS.Table_Name	10	16	
FILNAME	KLO_LOG_FILE_STATUS.File_Name	10	256	
REPATRN	KLO_LOG_FILE_STATUS.RegEx_Pattern	10	256	
FILTYPE	KLO_LOG_FILE_STATUS.File_Type	4		-2147483648

Name	Display	Type	Length	Minimum
FILSTAT	KLO_LOG_FILE_STATUS.File_Status	4		-2147483648

ORIGINNODE	TIMESTAMP	TBLNAME	FILNAME	REPATRN	FILTYPE	FILSTAT	RECMTCH	RECUNMT
test2: [REDACTED]	1140826151721000	LogfileEvents	c:/IBM/ITM/logs/[REDACTED]_MS_53ec1199-1.log	c:/IBM/ITM/logs/[REDACTED]_MS_*	1	0	34	1178

When you choose the Attribute Group, you see a list of all attributes and their definitions.

On the bottom of the screen, you will find the real-time data for all the attributes.

Summary

- Now that you completed this module, you can perform these tasks:
 - Set trace levels of the log file agent dynamically without the need of restart it
 - Check the current settings of the log file agent
 - Check the current values and situations that are collected by the log file agent

This module gave a short overview about the possibilities of the built-in web interface of the IBM Tivoli Monitoring V6 log file agent. The web interface is useful for debugging purposes, for example when you need to change the trace settings or checking the values that are returned by the agent without the need of a Tivoli Enterprise Portal console.

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