

This presentation explains gathering agent log files for Tivoli® Monitoring V6.3



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

Update the log file agent (LFA) variables to increase the tracing on Windows systems;

Collect the LFA agent logs for troubleshooting.



If you want to increase the trace level for an agent that is installed in a Windows box, you can use the Manage Tivoli Enterprise Monitoring Services window.

To start it, from Windows Start menu, click Program Files > IBM Monitoring > Manage Tivoli Monitoring Service.



From the Manage Enterprise Monitoring Services, you can set the environment variables for a specific agent. In particular, right-click the agent that you want to update, then in the menu, click Advanced > Edit Variables.

If the agent is running, accept the prompt to stop the agent.

Notice that a stop and start of the agent is required for the new environment variables to take effect.

## Trace Parameters window



In the right-click menu that is described in the previous slide, you have also the option to set a specific trace level.

You can refer to the list in this slide to define the proper trace level that is based on the error you are seeing.

IBM

	IBM
Increasing trace level in agent configuration files	
<ul> <li>Modify KBB_RAS1 variable in the file "KLOENV_<instance>" under <itm_home>\TMAITM6 of with useful RAS1 settings.</itm_home></instance></li> </ul>	directory
6 Gathering log file agent logs on Windows ©	2014 IBM Corporation

You can also change the trace level from the configuration files directly. You have to modify the KBB\_RAS1 variable in the file "KLOENV\_<instance>" under <ITM\_home>\TMAITM6 directory.

After that, the agent must be restarted

Manage Tivoli Enterprise Moni actions Options View Windows	toring Service Help	s - TEMS	Mode - [Loc	al Computer						
Service/Application	Task/Su	bSystem	Configured	Status	Configuration	Startup	Account	Desktop	HotStdby	Version
🖉 🔤 Tivoli Log File Agent	test r		Vor (TEMC)	Storport	up-to-date	Auto	LocalSystem	No	No	06.30.00.0
🕫 🏧 Tivoli Log File Agent	rydap	Start			up-to-date	Auto	LocalSystem	No	No	06.30.00.0
P Tivoli Log File Agent	ola	Recycle			up-to-date	Auto	LocalSystem	No	No	06.30.00.0
		Change Change	Startup Startup Parms	s						
		Set Def	aults For All Ag	gents						

From the Manage Tivoli Enterprise Monitoring Services, you also have the option to start the log file agent. You can see this menu by right-clicking the agent.



Next, re-create the problem.

Take a screen capture of the issue and then immediately stop the agent.

	IBM
Log collection (1 of 3)	
<ul> <li>After the problem recurs, collect log files</li> </ul>	
<ul> <li>Run the command tacmd pdcollect</li> </ul>	
📾 Administrator: Command Prompt	
Microsoft Windows [Version 6.1.7600] Copyright (c) 2009 Microsoft Corporation. All rights reserved.	
C:\Users\Administrator>tacmd_pdcollect_	
9 Gathering log file agent logs on Windows	© 2014 IBM Corporation

After the problem recurs, collect log files with the increased trace settings. From a Command Prompt, run the command tacmd pdcollect.



When the command prompt returns as shown in the image, type exit.

	IBM
Log collection (3 of 3)	
The directory where the collected files are stored is displayed	
🛤 Administrator: Command Prompt - tacmd pdcollect	
Collecting configuration files Collecting event log	<u> </u>
Collecting MSG2 files Collecting BuildPresentation files	
The process tried to write to a nonexistent pipe.	
**************************************	** llect-WBECAM21
346872772767 directory.	
You will now be given an opportunity to examine the files, edit the remove information that you do not want to expose to IBM, or add ad files to the set.	m to Iditional
Enter "exit" when you are finished.	
Any files which are left will be archived in preparation for transmission to IBM.	
Type "exit" when done>exit Collected files will be stored in C:\Users\ADMINI~1\AppData\Local\1 ct-WBECAM2.jar	·~ Cemp\2\pdcolle ▼
11 Gathering log file agent logs on Windows	© 2014 IBM Corporation

After you enter exit, the directory where the collected files are stored displays.

		IBM
Needed documentation for tro	ubleshooting	
After you collect the logs, reset all of the	e increased trace settings	
<ul> <li>Review pdcollect .jar file and correspon</li> </ul>	ding LFA instance conf and fmt files	
<ul> <li>The screen capture that is made after the</li> </ul>	he issue recurred	
12	Gathering log file agent logs on Windows	© 2014 IBM Corporation

After you collect the log files, remember to reverse all of the increased trace settings. Use the screen captures and file copies that you created at the beginning of this process. If you leave the increased trace settings in place, that might affect the physical disk space and processor usage of the box. Review the collected .jar file together with conf and fmt files and the screen capture saved that shows the issue for analysis.

	IBM
Summary	
<ul> <li>Now that you have completed this module, you can perform these tasks:</li> <li>Update the LFA agent collector variables to increase the tracing</li> <li>Collect the LFA agent logs for troubleshooting</li> </ul>	
13 Gathering log file agent logs on Windows	© 2014 IBM Corporation

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

Update the LFA agent collector variables to increase the tracing;

Collect the LFA agent logs for troubleshooting.

## Trademarks, disclaimer, and copyright information

IBM, the IBM logo, ibm.com, and Tivoli are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of other IBM trademarks is available on the web at "Copyright and trademark information" at http://www.ibm.com/legal/copytrade.shtml

Windows, and the Windows logo are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product, or service names may be trademarks or service marks of others.

THE INFORMATION CONTAINED IN THIS PRESENTATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. WHILE EFFORTS WERE MADE TO VERIFY THE COMPLETENESS AND ACCURACY OF THE INFORMATION CONTAINED IN THIS PRESENTATION, IT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. IN ADDITION, THIS INFORMATION IS BASED ON IBM'S CURRENT PRODUCT PLANS AND STRATEGY, WHICH ARE SUBJECT TO CHANGE BY IBM WITHOUT NOTICE. IBM SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING OUT OF THE USE OF, OR OTHERWISE RELATED TO, THIS PRESENTATION OR ANY OTHER DOCUMENTATION. NOTHING CONTAINED IN THIS PRESENTATION IS INTENDED TO, NOR SHALL HAVE THE EFFECT OF, CREATING ANY WARRANTIES OR REPRESENTATIONS FROM IBM (OR ITS SUPPLIERS OR LICENSORS), OR ALTERING THE TERMS AND CONDITIONS OF ANY AGREEMENT OR LICENSE GOVERNING THE USE OF IBM PRODUCTS OR SOFTWARE.

© Copyright International Business Machines Corporation 2014. All rights reserved.

14

Gathering log file agent logs on Windows

© 2014 IBM Corporation

IBM