

IBM Tivoli[®] Monitoring V6.2.3, How to use the Process Filter attribute to monitor long process commands on UNIX[®] and Linux[®] systems. In this module, you learn how to create a situation that monitors long process commands.

	IBM
Assumptions	
Before you proceed, the module designer assumes that you have thes knowledge: – Basic knowledge of IBM Tivoli Monitoring	se skills and
 Working knowledge of the Tivoli Enterprise Portal client and Situat A working IBM Tivoli Monitoring environment that includes a Tivoli Server, a Tivoli Monitoring Portal Server, and user level access to Portal client 	Monitoring Enterprise
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The module developer assumes that you have these skills and knowledge:

- Basic operating knowledge of IBM Tivoli Monitoring on UNIX and Linux operating systems

- A functioning IBM Tivoli Monitoring environment with at least user level access to the Tivoli Enterprise Portal client

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Objectives	
When you complete this module, you can perform these tasks:	
 Define a regular expression that captures the essential component or components process command line 	of the
 Create a situation that alerts you when a specific long process command is either is otherwise MISSING 	running or
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When you complete this module, you can perform these tasks:

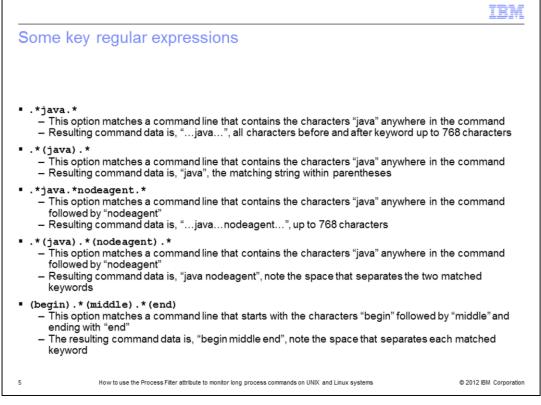
- Define a regular expression that uniquely identify the required process command

- Create a situation that generates an alert when the process command is either running or is otherwise MISSING

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Process Filter	
 To improve filtering on long processes, a new <i>Process Filter</i> attribute is introduced in IBM Tivoli Monitoring V6.2.2 fix pack 2, UNIX and Linux OS Agent interim fix 3: The Process Filter attribute belongs to the Process attribute group The Process Filter content, a regular expression, is sent to the agent as a filter object and is intended to act only on the specific process command attribute during data collection The Process Filter attribute is applied to the entire process command line, not just the first 768 characters, and the result fills the corresponding process command attribute On UNIX systems, the Process Filter (Unicode) attribute is applied to the Process Command (Unicode) attribute On Linux systems, the Process Filter attribute is applied to the Command Line attribute 	
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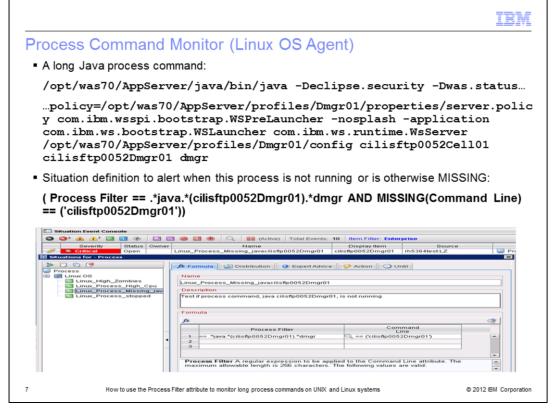
The Process Filter content, a regular expression, is sent to the agent as a filter object and is intended to only act on a specific process command attribute during data collection. Note the specific attribute that the Process Filter attribute is applied to on UNIX and Linux systems.



Here are several very useful regular expressions that you can use when attempting to match the required process command line. Notice carefully how each will produce different results in the corresponding command data based on the matching keyword with and without parentheses. The use of parentheses helps reduce the command line to just the keywords of interest such that it can be easily searched.

ooooo oonninana	Monitor (UNIX OS Agent)
long Java process con	nmand:
u02/IBM/WebSphere	e/AppServer/java/bin/java -Xbootclasspath/p:
com.ibm.ws.runtime /u02/IBM/WebSphere 0U01dkencaap001a n	a/AppServer/profiles/profileManaged/configDU01
Process Filter (Unicod	de) == '.*java.*(nodeagent).*' AND MISSING(Process Command
Process Filter (Unicod Unicode)) == ('nodeag	de) == '.*java.*(nodeagent).*' AND MISSING(Process Command

Here is an example of a process command running on a UNIX system. A situation defines a filter that uniquely identify the keywords in the process command. The use of the MISSING operator detects when the process is not running. The Situation Editor in the foreground show the actual definition. The situation event console in the background show the actual event alert.



Here is an example of a process command line running on a Linux system. A situation defines a filter that uniquely identify the keywords in the process command line. The use of the MISSING operator detects when the process is not running. The Situation Editor in the foreground show the actual definition. The situation event console in the background show the actual event alert.

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Summary	
Now that you completed this module, you can perform these tasks:	
 Define a regular expression that captures the essential component or component process command line 	ents of the
 Create a situation that alerts you when a specific long process command is eit is otherwise MISSING 	ther running or
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Now you can perform the tasks to define a regular expression that uniquely identify the desired process command and create a situation that generates an alert when the process command is either running or is otherwise MISSING.

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