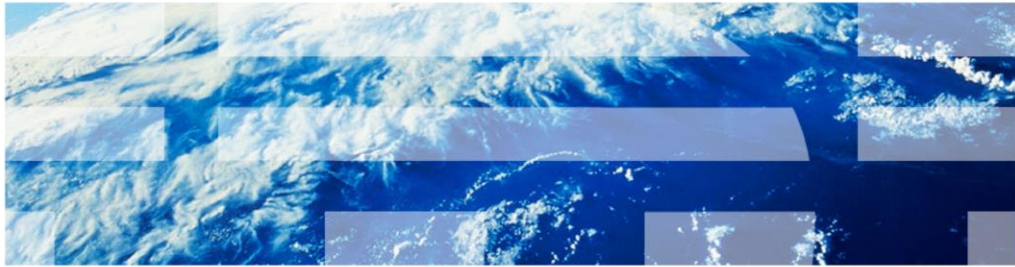


IBM Tivoli Monitoring V6.2.3 Fix Pack 01

Disable AIX Premium agent attributes for the UNIX OS agent on AIX



In this module, you learn the steps for disabling the AIX[®] Premium agent attributes for the UNIX[®] OS agent on AIX.

Assumptions

Before you proceed, the module designer assumes that you have these skills and environment:

- Advanced Interactive eXecutive (AIX) administration and user skills
- The UNIX OS agent (UX) installed on an AIX system
- Basic understanding of virtualization on AIX systems
- Knowledge of the IBM Tivoli® Monitoring infrastructure

The module designer assumes that you have AIX administration and user skills. The UNIX OS (UX) agent must be installed on a supported AIX system that includes AIX versions 5.x and 6.x. You need to be aware of the virtualization concepts on AIX, such as LPARs (Logical partitions) and WPARs (Workload partitions), and have knowledge of the IBM Tivoli Monitoring infrastructure.

Objectives

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

- Improve the performance of the UNIX OS agent
- Stop data collection for the AIX Premium agent attributes
- View data only for the UNIX OS agent (UX) attributes in the Tivoli Enterprise Portal
- Restart data collection for the AIX Premium agent attributes

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

- Improve the performance of the UNIX OS agent
- Stop data collection for the AIX Premium agent attributes
- View data only for the UNIX OS agent attributes in the Tivoli Enterprise Portal
- Restart data collection for the AIX Premium agent attributes per the requirements in your environment

Overview of the UNIX OS agent (UX)

In version 6.2.3 Fix Pack 01 of the UNIX OS agent, various metrics are ported from the AIX Premium agent

- The minimum AIX requirements to collect new metrics are:
 - AIX53S = AIX 5.3 TL12
 - AIX61F = AIX 6.1 TL5
- By default, the UNIX OS agent creates a new process
The process `aixdp_daemon`, gathers all the metrics available from the AIX Premium agent data provider and passes them back to the UNIX OS agent
- The data collection of the metrics available from the AIX Premium agent data provider causes resource consumption and affects the performance of the UNIX OS agent
These metrics might not be relevant in your environment
- Depending on your specific requirements, the next part of the presentation documents the steps that are needed to disable the `aixdp_daemon`
These steps prevent the data collection for the AIX Premium agent data provider

Before version 6.2.3 Fix Pack 01, the UNIX OS agent did not include any attributes from the AIX Premium agent. The AIX Premium agent was offered under the System P agent suite. In V6.2.3 Fix Pack 01 UNIX OS agent, a variety of metrics have been ported from the AIX Premium agent. The minimum AIX requirements to collect the new metrics are AIX 5.3 TL12 and AIX 6.1 TL5. By default, the UNIX agent creates a new process, `aixdp_daemon`, which gathers certain metrics provided by the AIX Premium agent and displays them in the Tivoli Enterprise Portal. If data collection of these new metrics is not relevant to your environment, then this daemon can be disabled to improve the performance of the UNIX OS agent.

Refer to the link provided at the end of this presentation for details regarding the data collected by the `aixdp_daemon` process.

Stopping the UNIX OS agent: Process steps

- Log in to the system where the UNIX OS agent agent is installed
- Go to the **\$CANDLEHOME/bin** directory
- Stop the UNIX OS agent with the command
./itmcmd agent stop ux

```
(root@NC107015):\ # ./itmcmd agent stop ux
Processing. Please wait...
Stopping Watchdog process...
Watchdog process was stopped.
Stopping Monitoring Agent for UNIX OS ...
Product Monitoring Agent for UNIX OS was stopped gracefully.
Agent stopped...
```

The first step to disable the AIX Premium agent data provider is to stop the UNIX OS agent. Navigate to the **\$CANDLEHOME/bin** directory.

NOTE: by default **\$CANDLEHOME** equals **/opt/IBM/ITM**.

Run the command **# ./itmcmd agent stop ux**

Disabling the KUX_AIXDP parameter: Process steps

- Go to the **\$CANDLEHOME/config** directory
- Open the **ux.ini** file with a text editor and make these two changes:
vi ux.ini
KUX_AIXDP=false
- Save the changes
 - This option disables the aixdp_daemon
 - It also prevents the collection of certain AIX Premium agent metrics
 - Example: Logical partition (LPAR) and Workload partition (WPAR)

```
[root@NC107015]:\ # vi ux.ini
```

```
# Generic Settings
```

```
#####
```

```
#####  
# Change KUX_AIXDP from true to false to prevent the aixdp_daemon from  
# starting (AIX 5.3, 6.1+ only). No LPAR, WPAR metrics will be available  
#####
```

```
KUX_AIXDP=false
```

The next step is to disable the **aixdp_daemon** that is enabled by default. To do this you set the **KUX_AIXDP** parameter to **false**.

First, navigate to the **\$CANDLEHOME/config** directory. Open the **ux.ini** file using a text editor.

Next, set the parameter **KUX_AIXDP** to **false**.

Save the changes and exit.

This action disables the **aixdp_daemon** and stops data collection for the AIX Premium agent attributes. For example, the metrics for LPARs (logical partitions) and WPARs (workload partitions) are not collected.

Starting the UNIX OS agent: Process steps

- Go to the **\$CANDLEHOME/bin** directory
- Start the agent with the command:
./itmcmd agent start ux
- Confirm that the UNIX OS agent is started with the command
./cinfo -r

Note: You can re-enable the aixdp_daemon by changing KUX_AIXDP=true (original value) and then restart data collection for the AIX Premium agent

```
[root@NC107015]:\ # ./itmcmd agent start ux
Processing. Please wait...
Starting Monitoring Agent for UNIX OS ...
Monitoring Agent for UNIX OS started
[root@NC107015]:\ # ./cinfo -r

***** Tue Sep  4 23:44:43 CEST 2012 *****
User: root Groups: system bin sys security cron audit lp
Host name : NC107015   Installer Lvl:06.23.01.00
CandleHome: /opt/IBM/ITM
*****
Host      Prod  PID      Owner  Start   ID      ..Status
NC107015 ux    13172760 root   23:44:26 None    ...running
```

Navigate back to the **\$CANDLEHOME/bin** directory. Start the agent by running the command

./itmcmd agent start ux.

To confirm that the UNIX OS agent process is running, run the command **# ./cinfo -r**.

If there is a requirement to restart data collection for the AIX Premium agent attributes, change the parameter **KUX_AIXDP=true** in ux.ini. Restart the agent. This action enables the aixdp_daemon again.

Reference

IBM Tivoli Monitoring, Version 6.2.3 Fix Pack 1, Appendix B. AIX Premium agent attributes
<http://ibm.biz/BdxiNj> (case sensitive)

The link points to the User Guide that lists the attributes for which data is not collected after the aixdp_daemon is disabled.

Summary

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

- Improve the performance of the UNIX OS agent
- Stop data collection for the AIX Premium agent attributes
- View data only for the UNIX OS agent (UX) attributes in the Tivoli Enterprise Portal
- Restart data collection for the AIX Premium agent attributes

Now that you completed this module, you can:

- Improve the performance of the UNIX OS agent
- Stop data collection for the AIX Premium agent attributes
- View data only for the UNIX OS agent (UX) attributes in the Tivoli Enterprise Portal
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