



IBM: AIX Monitoring PowerPack Release Notes

Version 100

Overview

Version 100 of the *IBM: AIX Monitoring* PowerPack is an upgrade to versions 0.6 and 0.7 of the *SLCOE: AIX Base Pack* PowerPack. It includes Dynamic Applications, Device Classes, Event Policies, and Run Book Actions for monitoring AIX devices.

- **Minimum Required SL1 Version:** 10.2.0

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Before You Install or Upgrade

Ensure that you are running version 10.2.0 or later of SL1 before installing *IBM: AIX Monitoring* version 100.

NOTE: For details on upgrading SL1, see the appropriate [Release Notes](#).

Installation and Upgrade Process from PowerPack Version 0.6

NOTE: You can upgrade to version 100 of this PowerPack from version 0.6 of the *SLCOE: AIX Base Pack* PowerPack. If you are upgrading from that version, you will need to disable all events and alerts from the previous before installing and using this PowerPack to ensure that duplicate events do not occur.

TIP: By default, installing a new version of a PowerPack will overwrite all content in that PowerPack that has already been installed on the target system. You can use the **Enable Selective PowerPack Field Protection** setting in the **Behavior Settings** page (System > Settings > Behavior) to prevent the new version of the PowerPack from overwriting local changes for some commonly customized fields.

NOTE: If you are currently using the Dynamic Applications in this PowerPack to monitor devices, collection errors might occur for one or two polling cycles during the installation of a new version. To prevent collection errors during an upgrade, you can optionally disable collection for monitored devices before performing the following steps and re-enable collection after the upgrade.

To install this PowerPack:

1. Familiarize yourself with the [Known Issues](#) for this release.
2. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to the 10.2 or later release.
3. Download the *IBM: AIX Monitoring* version 100 PowerPack from the Support Site to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import *IBM: AIX Monitoring* version 100.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.

After upgrading the PowerPack from version 0.6, perform the following steps if you did **not** enable the **Enable Selective PowerPack Field Protection** setting:

1. After running discovery, manually align the "IBM: AIX ICDA Cache" Dynamic Application to your AIX device.
2. Un-align the "IBM: AIX CPU Utilization (mpstat)" Dynamic Application from your AIX device.

If you did enable the **Enable Selective PowerPack Field Protection** setting, perform the following steps after upgrading:

1. Required: After running discovery, manually align the "IBM: AIX ICDA Cache" Dynamic Application to your AIX device and enable it.
2. Optional: Manually disable and un-align the "IBM: AIX CPU Utilization (mpstat)" Dynamic Application from your AIX devices to avoid multiple events related to CPU coming from the "IBM: AIX LPAR CPU Stats" Dynamic Application.
3. Optional: Enable alerts related to Virtual Memory Utilization metrics in the "IBM: AIX Memory Stats" Dynamic Application.
4. Optional: Enable the **Summarization State** for presentation objects in all AIX Dynamic Applications.

NOTE: After the upgrade the default AIX credential is overwritten. Ensure that the correct values are entered in the credential.

Installation and Upgrade Process from PowerPack Version 0.7 and later

NOTE: You can upgrade to version 100 of this PowerPack from version 0.7 of the *SLCOE: AIX Base Pack* PowerPack. If you are upgrading from that version, you will need to disable all events and alerts from the previous before installing and using this PowerPack to ensure that duplicate events do not occur.

TIP: By default, installing a new version of a PowerPack will overwrite all content in that PowerPack that has already been installed on the target system. You can use the **Enable Selective PowerPack Field Protection** setting in the **Behavior Settings** page (System > Settings > Behavior) to prevent the new version of the PowerPack from overwriting local changes for some commonly customized fields.

NOTE: If you are currently using the Dynamic Applications in this PowerPack to monitor devices, collection errors might occur for one or two polling cycles during the installation of a new version. To prevent collection errors during an upgrade, you can optionally disable collection for monitored devices before performing the following steps and re-enable collection after the upgrade.

To install this PowerPack:

1. Familiarize yourself with the [Known Issues](#) for this release.
2. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to the 10.2.0 or later release.
3. Download the *IBM: AIX Monitoring* version 100 PowerPack from the Support Site to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import *IBM: AIX Monitoring* version 100.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.

Features

Version 100 of the *IBM: AIX Monitoring* PowerPack includes the following features:

- Dynamic Applications that discover and collect configuration and performance data for AIX devices
- Event Policies and corresponding alerts that are triggered when AIX devices meet certain status criteria
- Device Classes for each type of AIX device monitored
- A Device Template for aligning Dynamic Applications

- A Run Book Action and an Automation policy to assign the proper device classes to AIX devices
- A Dashboard that displays information about your AIX server

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 100 of the *IBM: AIX Monitoring PowerPack*:

- The metric calculation logic of the "Entitled Capacity (%entc)" collection object was updated in the "IBM: AIX LPAR CPU Stats" Dynamic Application.
- The **Summarization State** field was set to *Enabled* by default for all presentation objects in the PowerPack.
- The **Collector Affinity** field has been set to *Assigned collector* by default for the following Dynamic Applications:
 - IBM: AIX Filesystem
 - IBM: AIX Network Stats
 - IBM: AIX Total Allocated Storage Value (Bootinfo)
 - IBM: AIX Volumes
- The "IBM: AIX Total Allocated Storage Value (Bootinfo)" Dynamic Application was disabled by default and removed from the "IBM: AIX Dynamic Applications Template" device template as sudo is required to run the "bootinfo" command.
- The "IBM: AIX CPU Utilization (mpstat)" and "IBM: AIX CPU Utilization (sar)" Dynamic Applications have been disabled by default.
- Alerts related to Virtual Memory Utilization have been enabled by default in the "IBM: AIX Memory Stats" Dynamic Application.
- Log messages for alerts were updated in the "IBM: AIX Inodes" Dynamic Application.
- The format of the "date" command was updated in the "IBM: AIX Error Report" Dynamic Application.
- The "aix_ic_detail_cache" snippet in the "IBM: AIX IC Detail" Dynamic Application was enabled by default.
- An issue was addressed in the "IBM: AIX Volumes Performance" Dynamic Application in which performance reports were displaying the same label for each collection object.
- An issue was addressed in which all configuration and performance Dynamic Applications were having errors appear in logs when run in debug mode.
- A "NULL" value was added to the **NMAP Report XPATH** field for AIX device classes to address an issue in which minor errors were appearing device logs.

Known Issues

Version 100 of the *IBM: AIX Monitoring PowerPack* has no known issues.

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