

BMC® Performance Manager Integration with Monitoring Studio KM for PATROL®

Version 8.6.00
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BMC Software is releasing version 8.6.00 BMC® Performance Manager Integration with Monitoring Studio KM for PATROL®. These release notes provide information about the applications and parameters available for this BMC Performance Manager Integration component, as well as information about known issues and support for the integration component.

The following topics are discussed:

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BMC Performance Manager Integration Component

BMC Performance Manager Integration with Monitoring Studio KM for PATROL mines data from the PATROL Agent for integration into the BMC Performance Manager Portal to enable you to use the Portal to monitor your infrastructure from a single console using PATROL parameter data.

Using the Host Name or IP Address option in the BMC Portal to specify one or more managed systems as monitored elements, you can select the parameter threshold values that can be used by the *BMC Performance Manager Integration with Monitoring Studio KM for PATROL*. After you perform the initial import of threshold values into the BMC Performance Manager Portal, you can update the threshold settings from within the Portal and not impact the values set in the BMC Performance Manager Consoles, PATROL Configuration Manager, or PATROL KM for Event Management.

During the data discovery process, the Portal matches the application classes and parameters in its BMC Performance Manager Integration with PATROL component with those in the KM on the agent, and it obtains only the data for which it identifies a match.

BMC Performance Manager Integration with Monitoring Studio KM for PATROL v8.6.00 is valid for use with BMC Performance Manager Monitoring Studio v8.6.00 and upwards.

Integrated application classes and parameters

This BMC Performance Manager Integration component contains the application classes and parameters listed in the following table:

| Application Classes | Parameters |
|---------------------|---|
| SW_APPLICATIONS | None |
| SW_DB_QUERIES | ConnectionStatus QueryStatus ReturnOutput ExecutionTime DbQueryColl |
| SW_FILES | GrowthPercentage GrowthSpeed FileColl Size LastChanged Exists |
| SW_FILE_SECURITY | FileSecurityColl AccessRightsCheck Integrity GroupCheck OwnerCheck |
| SW_FILESYSTEMS | UsedSpaceGrowthPercentage UsedSpaceGrowthSpeed FreeSpacePercent FreeMegabytes |
| SW_FOLDERS | FolderColl GrowthPercentage GrowthSpeed LastModifiedFileElapsedTime OldestModifiedFileElapsedTime FolderSize FileCount NewFileCount DeletedFileCount ModifiedFileCount |

| Application Classes | Parameters |
|----------------------|---|
| SW_HTTP_REQUESTS | HttpRequestColl ServerConnectionState Status ReturnOutput ExecutionTime |
| SW_HTTP_WEBFARM | HttpWebFarmColl OperationalServerPercent OperationServerCount |
| SW_JMX | JMXColl ExecutionStatus Value Text |
| SW_KMWATCH | KMWatchColl Value |
| SW_NTEVENTS | MatchingEvenRate MatchingEventCount |
| SW_NTPERFORMANCE | NTPerformanceColl Value |
| SW_NTSERVICES | Status |
| SW_NTWMI | WMIQueryColl ReturnOutput QueryStatus |
| SW_WBEM | WMIQueryColl ReturnOutput QueryStatus |
| SW_NUMBERS | Value |
| SW_DYNAMIC | Value ValueFound |
| SW_DYNAMIC_CONTAINER | None |
| SW_DYNAMIC_DISCOVERY | None |
| SW_DYNAMIC_NUMBERS | Value ValueFound |
| SW_DYNAMIC_STRINGS | MatchingLineCount |
| SW_OSCOMMANDS | OSCommandColl ReturnOutput ExecutionTime ExecutionStatus |

| Application Classes | Parameters |
|---------------------|---|
| SW_PROCESSES | ThreadCount (Windows only) ChildCount HandleCount (Windows only) PageFaultsPerSec (Windows only) VirtualBytes PrivateBytes (Windows only) PageFileBytes (Windows only) WorkingSet (Windows only) ProcessorTime Count |
| SW_SENTRY | NTEventColl ApplicationColl NTServiceColl FileSystemColl ExtraFileList ProColl |
| SW_SNMP_POLLING | SNMPPollingColl Content Value Status |
| SW_SNMP_TRAPS | SNMPTrapColl MatchingTrapRate MatchingTrapCount |
| SW_STRINGS | LastMatchingLines MatchingLineCount MatchingLineRate |
| SW_TRANSFORM | TransformResult |

Installation & Compatibility

You can download the *BMC Performance Manager Integration with Monitoring Studio KM for PATROL* from the BMC Software electronic product download (EPD) page and manually install it at any time following the installation of the Portal.

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Before you begin

Place the **BMC-PM-PATROL-Monitoring-Studio-8.6.00.par** file that you downloaded from the EPD page in a known location on your file system. To install BMC Performance Manager Integration with Monitoring Studio KM for PATROL:

1. **Logon** to the Portal with administrator credentials and select the **Portal** tab.
2. Under **Tasks** in the navigation pane, select **Performance Managers**.
3. Click the **Import** tab.
4. Click **Browse** to open a file selection dialog box, and select the **PAR file**. Click **Upload**. The portal uploads the PAR file to the application server.
5. The PAR file name and Performance Manager properties appear as **Published** under **PAR Files Currently Loaded**.
6. To use the integration component, add the class: **PATROL – Monitoring Studio** to any Element or Element Profile just as you would do for any PM on the Portal.
7. Click on **Configure > Elements > Refresh PATROL Integration** to collect the threshold values from the PATROL Agent and reflect them in the Portal.

Version Compatibility & Migration

Owing to structural enhancements in BMC PM PATROL Monitoring Studio version 8.6.00, it is not compatible with any versions of BMC Portal prior to version 2.5.00. For the same reasons, automatic migration from previous versions of BMC PM PATROL Monitoring Studio v8.5.xx is not feasible. It is essential to uninstall the previous version and then install and load BMC PM PATROL Monitoring Studio version 8.6.00 on BMC Portal v2.5.00.

Updating threshold values in Portal

If threshold values are modified in the PATROL Agent, you need to manually update them in the Portal, by clicking on **Configure > Elements > Refresh PATROL Integration**. However, please note that although you are able to change the threshold values in the Portal – these will not in any way impact the values set in the PATROL Agent. Also, clicking the Refresh PATROL Integration will always update the values in the Portal to reflect those in the PATROL Agent.

Open Issues and Workarounds

The following general issues impact each BMC Performance Manager Integration component:

- The Portal is unable to dynamically remove application instances that are no longer active. To remove an inactive instance, remove the infrastructure element and add it back to the Portal.
- If you are using Portal v2.4, removing an instance is possible by clicking on the **instance > Configure > Delete**
- The Portal does not dynamically activate or inactivate parameters based on the environment.

- Parameter data with values larger than 7 digits may be represented in the Portal in scientific notation
- It is not possible to have border thresholds in the Portal as opposed to in the KM. The Portal will translate border thresholds from the KM into its own system of *greater than /lesser than*.

Levels of Support

BMC Software provides the same support for BMC Performance Manager Integration with Monitoring Studio KM for PATROL as it does for the corresponding PATROL KM, i.e. version 8.5 and v8.5.01 of BMC Performance Manager Monitoring Studio. For more information about the latest Support policies and guidelines, see the Customer Support page of the BMC Software website at http://www.bmc.com/support_home.

Product Documents

The following documents support the product:

- *BMC Performance Manager Monitoring Studio - User Guide*
- *BMC Performance Manager Monitoring Studio - Installation Guide*
- *BMC Performance Manager Monitoring Studio - Reference Guide*

To view the latest BMC Software books and release notes, visit the Customer Support Web page at http://www.bmc.com/support_home.

Customer Support

If you have problems with or questions about a BMC Software product, go to the BMC Software Customer Support page at http://www.bmc.com/support_home. You can view and download product documents, release notes, frequently asked questions, and related information from the Customer Support Web site. If you do not have access to the Web and you are in the USA or Canada, contact BMC Software Customer Support at 800 537 1813. Outside the USA or Canada, contact your local BMC Software office or agent.



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