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## PATROL<sup>®</sup> Adapter for WBEM

### Release Notes

Version 1.0.01

March 31, 1999

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These release notes provide information about the March 31, 1999 release of the PATROL Adapter for WBEM product. These release notes introduce minor changes from the previous version.

The following topics are discussed:

Topic	Page
<b>What's New</b> .....	<b>2</b>
Overview .....	2
Components .....	2
Known Issues .....	3
<b>What's Changed</b> .....	<b>5</b>
<b>Installation</b> .....	<b>5</b>
<b>Product Documentation</b> .....	<b>6</b>
<b>Where to Get the Latest Product Information</b> .....	<b>6</b>

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## What's New

These topics describe the major features of this product:

### Overview

Web-Based Enterprise Management (WBEM) is an open industry standard for enterprise-wide systems management which uses Web technology to deliver systems and application management functionality.

The PATROL Adapter for WBEM product serves to unify the representation of management data and the methods used to extract the data or control the managed objects. The PATROL Adapter for WBEM achieves this through the definition of a standard schema used to represent the data about managed objects. This schema is called the Common Information Model (CIM). You can be either a provider or a consumer of this data.

### Components

The following key components are included with the PATROL Adapter for WBEM product:

- PATROL Models or Schemas
- PATROL Providers
- PATROL KM2MOF Tool
- PATROL KM™ for WBEM
- PSL API Functions
- Examples

## Known Issues

The following are known issues and their resolutions for the PATROL Adapter for WBEM product:

Issue	Resolution
The PEM COM Server may run for 2 minutes or more after CIMOM has shut down. This is due to the way in which CIMOM releases providers.	This will be corrected in a future release of the product.
When using the PATROL Agent version 3.2, the Microsoft WMI/WBEM SDK CIM Studio application, build 525, causes CIMOM to use up to 100% CPU when accessing the local PATROL-provided WMI resources. This may cause timeouts and disconnects.	Upgrade to PATROL Agent version 3.3 or check the Microsoft website for an update to the WMI/WBEM SDK.
Localized application instances are not supported in this release.	This will be corrected in a future release of the product.
Classes generated by the PATROL KM2MOF tool are based on the PATROL KM definitions. The values of the parameters contained within the class definitions will not be available if the parameters are inactive.	Using your PATROL Console, connect to the PATROL Agent where that parameter's KM is running to activate it.
PATROL Providers cannot handle multiple PATROL Agents on the same host.	This will be corrected in a future release of the product.
PATROL KM2MOF tool cannot create computer classes.	This will be corrected in a future release of the product.
Difficulty using the PATROL KM for WBEM to configure the PATROL Adapter for WBEM from a remote PATROL Console.	Please refer to the <code>readme.txt</code> file.

Issue	Resolution
<p>Two of the parameters controlling connections to PATROL Agents are not exposed in the PATROL KM for WBEM. They are:</p> <ul style="list-style-type: none"> <li>• <code>RequestRetries</code> - the number of retries per data request. The default is 1.</li> <li>• <code>ConnectRetries</code> - the number of retries per connection request. The default is 0.</li> </ul> <p>If the application log shows frequent timeouts, the Microsoft WMI/WBEM SDK CIM Studio or <code>mofcomp.exe</code> can be used to modify the values for these parameters.</p>	<p>To set these parameters:</p> <ol style="list-style-type: none"> <li>1. Create a file called <code>timeout_retries.mof</code>. It should contain the following: <pre>instance of PATROL_Agent {     Name = "&lt;agent name&gt;";     RequestRetries = &lt;request retries&gt;;     ConnectRetries = &lt;connect retries&gt;; };</pre> </li> <li>2. Use the <code>mofcomp.exe</code> program included in the Microsoft WMI/WBEM SDK to run the following: <p>For remote PATROL Agents:</p> <pre>mofcomp -N:root/patrol timeout_retries.mof</pre> <p>For local PATROL Agents:</p> <pre>mofcomp -N:root/cimv2 timeout_retries.mof</pre> </li> </ol>
<p>The PATROL Adapter for WBEM supports Microsoft WMI builds 525 and 698. However, instances of the Windows NT counter class cannot be retrieved via the <code>perfmon</code> provider that comes with WMI SMS 2.0, RC 3, which is based on WMI build 698.</p>	<p>Check the Microsoft website for an update to the WMI SDK.</p>

## What's Changed

This section introduces the new features included in this version of the PATROL Adapter for WBEM. They are:

- The `wbem_instance_count` function has been added to the PATROL Adapter for WBEM API.

The `wbem_instance_count` function automatically counts the number of instances which will be returned in response to a query. This allows the developer to quickly determine the number of instances of a particular class without retrieving them into PSL and using script to slowly iterate through them.

- After loading the WBEM KM, successful discovery prompts a printed message in the PATROL Console system output window.

In the *PATROL Adapter for WBEM User Guide*, Chapter 5 contains a section called “Loading the PATROL Adapter for WBEM KM”. In the previous version of the product, successful discovery produced a dialog box. This dialog box has been replaced with the following message, printed in the PATROL Console system output window:

```
BMCWBEM1002I - Thu Mar 11 15:23:34 1999 - [Discovery (/WBEM)]  
WBEM Discovery has completed successfully.
```

## Installation

The Microsoft NT 4.0 Service Pack 4 (CD version only) now includes the Microsoft WMI core components that are required to run the PATROL Adapter for WBEM. If you do not have the Service Pack 4 CD, you need to download the Microsoft WMI Core components separately. (see <http://msdn.microsoft.com/developer/sdk/wbemsdk/download.htm>)

For complete instructions on the installation of the PATROL Adapter for WBEM version 1.0.01, see the *PATROL Adapter for WBEM Installation Guide*.

## Product Documentation

The PATROL Adapter for WBEM contains documentation in Adobe Acrobat PDF file (\*.pdf) format and can be viewed using the Adobe Acrobat Reader version 3.0 or later. The Adobe Acrobat Reader version 3.0 or later must be installed on your hard drive to read these documents.

You can download Acrobat Reader from the Adobe Web site at <http://www.adobe.com/prodindex/acrobat/readstep.html>. Follow the download instructions provided at this site.

The following documents support the PATROL Adapter for WBEM product:

Document	Publication Date
PATROL Adapter for WBEM Installation Guide	March 31, 1999
PATROL Adapter for WBEM User Guide	December 4, 1998
PATROL Adapter for WBEM Reference Manual	March 31, 1999

## Where to Get the Latest Product Information

To view the latest BMC Software documents, visit the BMC Software Web site at <http://www.bmc.com/support>. Click **Log in to Support** and enter a user name and a password. To view the documents for a product, click the product name in the Product Directory.

If you do not have a user name and a password, click **Request UserID**, complete the form, and click **Send Request**. Alternatively, you can contact your BMC Software sales representative for a temporary user name and a password.