

IMC

Application Manager v5.1 (E0205)

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What's New in this Release

You can upgrade IMC APM 5.1 (E0204) to IMC APM 5.1 (E0205). The following lists all features released after IMC APM 5.1 (E0204).

Features released in IMC APM 5.1 (E0205)

- **Newly added application types**
 - Windows Performance Counter
 - Databasrt Query
 - FTP/SFTP monitor
 - Oracel AS
 - Websphere MQ
- **Application traffic monitoring through the APM probe**
- **Customizing thresholds**

Features released in IMC APM 5.1 (E0204)

Function Feature:

Feature	Description
Custom View	<ol style="list-style-type: none"> 1. Edit custom monitor view 2. Custom view report
Application monitor	<ol style="list-style-type: none"> 1. Create and edit the monitor 2. Application dependence 3. Manage/unmanage monitor 4. Availability analysis

	<ol style="list-style-type: none"> 5. Health analysis 6. Poll 7. Customized GUI
Host monitor	<ol style="list-style-type: none"> 1. Host overview 2. Host List 3. Host topology 4. Host's application list
Class view	<ol style="list-style-type: none"> 1. Application class list 2. Availability analysis for class 3. Health analysis for class 4. Statistic for class
Application group	<ol style="list-style-type: none"> 1. Create and edit the group 2. Availability analysis for group 3. Health analysis for group 4. Service topology 5. Management right control for application
Application Monitor information	<ol style="list-style-type: none"> 1. Base information of the application 2. Display mode switch 3. Availability trend and summary 4. Multi-styles display 5. Threshold 6. Root-cause analysis 7. Application's availability alarm 8. Application's health alarm 9. Alarm topN
Autodiscovery	<ol style="list-style-type: none"> 1. Application discovery 2. Add monitor from the discovery
Configuration management	<ol style="list-style-type: none"> 1. Threshold management 2. Data keep time 3. Application port management
Report	<ol style="list-style-type: none"> 1. Application's availability report 2. Application's health report
Integration with Platform	<ol style="list-style-type: none"> 1. Integration with topology 2. Application Widget 3. Root-cause analysis 4. Application quick query

Application Feature:

Application Type	Application Name
Windows Server	<ol style="list-style-type: none"> 1. Windows XP 2. Windows Server
Unix Server	<ol style="list-style-type: none"> 1. AIX UNIX 2. FreeBSD 3. OpenBSD 4. HP-UX

	<ol style="list-style-type: none"> 5. Solaris 6. Poll 7. MAC OS
Linux Server	<ol style="list-style-type: none"> 1. Linux
Database Server	<ol style="list-style-type: none"> 1. MySQL 2. Oracle 3. MS SQL 4. Sybase 5. IBM DB2
Application Server	<ol style="list-style-type: none"> 1. Microsoft .NET 2. JBoss 3. Tomcat 4. WebLogic
Web Server	<ol style="list-style-type: none"> 1. Apache 2. IIS 3. PHP
HTTP service	<ol style="list-style-type: none"> 1. URL Monitor
Mail Server	<ol style="list-style-type: none"> 1. Exchange2003 2. Exchange2007 3. SMTP, POP3 mail server
Middleware	<ol style="list-style-type: none"> 1. Office SharePoint
LDAP service	<ol style="list-style-type: none"> 1. ActiveDirectory 2. Common LDAP
File system	<ol style="list-style-type: none"> 1. File 2. Directory
Common Services	<ol style="list-style-type: none"> 1. SNMP 2. DNS 3. JVM

Problems Fixed in this Release

IMC APM 5.1 (E0205) fixes the following problems, including all bugs fixed after IMC APM 5.1 (E0204).

Resolved Problems in IMC APM 5.1 (E0205)

1. If you enter the custom view name to create a custom view and then add or delete the application index table, the custom view name is cleared.
2. AIX and HP-UX error logs cannot be collected.
3. The imcapmedm.exe process stops, and errors are automatically detected.
4. The images in the application topology can be edited only after you click the magnifier icon.
5. A long application description causes display error on the page to add the application to an application group.
6. The SMTP application without the Email address setting cannot be properly probed.
7. Index display error occurs in the DNS service monitoring query result in the Oracle database

environment.

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APM Software Distribution Contents

The APM distribution list contain the following files and folders:

1. **APM\manual\readme_apm_5.1 (E0205).html** - this file
2. **APM\windows\install** - the IMC APM installation program for Windows OS
3. **APM\linux\install** - the IMC APM installation program for Linux OS
4. **APM\probe\install** - the IMC APM probe installation program for Linux OS

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Installation Prerequisites

PC Requirements

The following are the minimum hardware and software requirements for running IMC on a PC server:

- IMC Platform Compatibility
 - IMC Platform version: IMC PLAT 5.1 SP1 (E0202P05) or later
- Minimum hardware requirements
 - Pentium 4 3.0 GHz processor
 - 4 GB of RAM
 - 50 GB hard disk space
- Operating system (Versions marked X64 are recommended):
 - Windows Server 2003 with Service Pack 2
 - Windows Server 2003 X64 with Service Pack 2 and KB942288
 - Windows Server 2003 R2 with Service Pack 2
 - Windows Server 2003 R2 X64 with Service Pack 2 with KB942288
 - Windows Server 2008 with Service Pack 2
 - Windows Server 2008 X64 with Service Pack 2
 - Windows Server 2008 R2 with Service Pack 1
 - Windows Server 2008 R2 X64 with Service Pack 1
 - Red Hat Enterprise Linux 5
 - Red Hat Enterprise Linux 5 X64
 - Red Hat Enterprise Linux 5.5
 - Red Hat Enterprise Linux 5.5 X64
 - Red Hat Enterprise Linux 6.1 X64
- VMware:

- VMware Workstation 6.5.x
- VMware ESX Server 4.x
- Hyper-V:
 - Windows Server 2008 R2 Hyper-V
- Database
 - Microsoft SQL Server 2005 Service Pack 4 (Windows only)
 - Microsoft SQL Server 2008 Service Pack 3 (Windows only)
 - Microsoft SQL Server 2008 Service Pack 3 (64-bit) (Windows 64-bit only)
 - Microsoft SQL Server 2008 R2 Service Pack 1 (Windows only)
 - Microsoft SQL Server 2008 R2 Service Pack 1 (64-bit) (Windows 64-bit only)
 - Oracle 11g Release 1 (Linux only)
 - Oracle 11g Release 2 (Linux only)
 - Oracle 11g Release 2 (64-bit) (Linux only)
 - MySQL Enterprise Server 5.1 (Linux and Windows)
 - MySQL Enterprise Server 5.5 (Linux and Windows)

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Port Usage

The IMC Server will BIND to and use the following TCP/IP Ports.

Port	Usage
TCP 9057	The JMX monitoring port used by the apmserver process.
TCP 8057	Used to receive SHUTDOWN command for the apmserver process.

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Typical Installation

Before installing APM, make sure that the IMC platform is installed correctly and the IMC platform version is IMC PLAT 5.1 SP1 (E0202P05) or later.

To install APM, click **Install** button on the **Monitor** tab of the Intelligent Deployment Monitoring Agent, then select the *components* sub-directory of the upgrade package, and click **OK** button to launch the installation wizard.

For detailed installation instructions, please refer to IMC Installation Guide.

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Upgrade Installation

Please follow these instructions for upgrading the IMC:

1. Back up the IMC database on the Environment tab in Deployment Monitoring Agent.
2. Stop the IMC system in the Deployment Monitoring Agent.
3. Click **Install** button in the **Monitor** tab of the Deployment Monitoring Agent.
4. Select the *windows/install/components* subdirectory of the upgrade package, and click **OK** button.
5. After the installation finishes, the Deployment Monitoring Agent will detect the components that need to be upgraded. Click **OK** button to start upgrading the components.
6. If this is a Distributed deployment, upgrade all components deployed on all slave servers separately.
7. After update, start all processes on the Deployment Monitoring Agent window.

For detailed upgrade instructions, please refer to the IMC Getting Started Guide and IMC Installation Guide.

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Un-Installation

You can remove APM component through the intelligent deployment monitoring agent. To do this, follow these steps:

1. In the Intelligent Deployment Monitoring Agent window, select **Stop IMC** on the **Monitor** tab to stop all processes of IMC.
2. On the **Deploy** tab, right-click the APM component, and select **Uninstall the Component** from the shortcut menu.
3. A dialog box appears, indicating that the component was successfully removed. Click **OK**.

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Known Problems

- If the installation path has blank, the Jboss application will not be monitored.
- The Oracle client(32bit) must be installed on the APM server for monitoring RAC application.

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Issued: August 2012

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