



IBM Systems

IBM Systems Update Tool  
for Microsoft SMS 1.0  
Release Notes







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**Note**

Before using this information and the product it supports, read the general information in "Notices" on page 11.

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## Chapter 1. About this release

IBM® Systems Update Tool for Microsoft® SMS 1.0 is an add-on component for Microsoft System Management Server (SMS) 2003, service pack 1. This IBM product, also known as *IBM Update Tool for SMS*, enables the use of SMS to make hardware-related updates to certain IBM servers. The types of hardware-related updates include updating firmware, basic input/output system (BIOS) software, and device drivers as new versions become available from UpdateXpress.

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### Overview

IBM Update Tool for SMS contains the following features and functions:

#### **MSI installation file**

The installation file for IBM Update Tool for SMS is a Microsoft Software Installation (MSI) package file. For more information about MSI package files and the client-side installer service (msiexec.exe), see the Microsoft Knowledge Base article 310598.

#### **IBMSync server-side program**

The installation of IBM Update Tool for SMS runs this program on SMS site servers to create a package with hardware-related updates for IBM servers that are SMS clients. An *advertisement* is also created with the generated package. After installation, this advertisement runs on a regular schedule.

**Note:** IBM Update Tool for SMS only provides information to an SMS site server; it does not perform any actual software updates itself.

#### **IBMScan client-side program**

This program is run on an SMS client when the SMS administrator advertises a package to a group of SMS clients. The IBMScan program creates an update list that describes the intersection between the catalog of possible updates and the actual hardware present on that SMS client.

#### **Interoperation with UpdateXpress Server**

The updates that IBM Update Tool for SMS can provide to SMS clients come from the repository in UpdateXpress Server. UpdateXpress Server can obtain its updates from the IBM Support Web site or from an UpdateXpress CD, v4.02 or later.

For details about this product, see the *IBM UpdateXpress Integration Module for Microsoft SMS Installation and User's Guide*.

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### Compatibility with Microsoft SMS

IBM Update Tool for SMS 1.0 is supported for use with Microsoft SMS 2003, service pack 1. Additionally, SMS 2003 must have Microsoft Hotfix KB906554 installed.

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### Compatibility with UpdateXpress products

IBM Update Tool for SMS 1.0 is supported for use with UpdateXpress Server 2.01 and later.

**Note:** Only the IBM Support Web site or the UpdateXpress 4.02 CD and later CD versions can be used as the source of updates that are stored in UpdateXpress Server 2.01. IBM Update Tool for SMS 1.0 is not compatible with updates from earlier CD versions.

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## Compatibility with IBM hardware

IBM Update Tool for SMS 1.0 can provide hardware-related updates to most IBM servers.

### Notes:

1. IBM Update Tool for SMS cannot provide a hardware-related update to a supported IBM server unless UpdateXpress Server includes that update. For example, sometimes UpdateXpress CDs do not provide updates for device drivers on an IBM server.
2. There are some updates on both the IBM Support Web site and the UpdateXpress CD that use an older encoding scheme that cannot be recognized by IBM Update Tool for SMS. These include 26k9105w, 26k9106w, 26k9107w, 26r0543w, 26r0580w, 26r0626w, 26r0650w, 31r3468w, and 31r3486w.

Specifically, IBM Update Tool for SMS 1.0 can provide hardware-related updates to these IBM servers.

- BladeCenter™ HS20, machine types 8678, 8832, and 8843
- BladeCenter HS40, machine type 8839
- BladeCenter LS20, machine type 8850
- @server® 325
- @server 326
- xSeries® 200
- xSeries 205
- xSeries 206
- xSeries 220
- xSeries 225
- xSeries 226
- xSeries 232
- xSeries 235
- xSeries 236
- xSeries 255
- xSeries 260
- xSeries 300
- xSeries 305
- xSeries 306
- xSeries 330
- xSeries 335
- xSeries 336
- xSeries 342
- xSeries 345
- xSeries 346
- xSeries 360
- xSeries 365



- xSeries 366
- xSeries 440
- xSeries 445
- xSeries 460 (single and double node only)

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## IBM Update Tool for SMS information resources

You can find additional information about IBM Update Tool for SMS in the product documentation and on the World Wide Web.

### Documentation

For further information about IBM Update Tool for SMS 1.0 see the *IBM Systems Update Tool for Microsoft SMS 1.0 Installation and User's Guide* (utsms1.0\_docs\_user.pdf)

This documentation is in Portable Document Format (PDF). You need Adobe Acrobat Reader or Xpdf to view it. If you need the Adobe Acrobat Reader, you can download it directly from Adobe at this Web address:  
<http://www.adobe.com/products/acrobat/readstep2.html>.

### World Wide Web resources

The following Web pages provide resources for understanding, using, and troubleshooting IBM systems-management tools.

#### IBM Update Tool for SMS page

[www.ibm.com/servers/eserver/xseries/systems\\_management/utsms](http://www.ibm.com/servers/eserver/xseries/systems_management/utsms)

Obtain an overview of IBM Update Tool for SMS and links for downloading the product, release notes, and user's guide.

#### IBM personal computing support page

[www.ibm.com/pc/support/](http://www.ibm.com/pc/support/)

Locate support for IBM hardware and systems-management software. For system-management software support, click **Systems management**.

#### IBM Systems Management Software: Download/Registration page

[www.ibm.com/pc/us/eserver/xseries/systems\\_management/dwnl.html](http://www.ibm.com/pc/us/eserver/xseries/systems_management/dwnl.html)

Download IBM system-management software.

#### IBM @server xSeries Systems Management page

[www.ibm.com/servers/eserver/xseries/systems\\_management](http://www.ibm.com/servers/eserver/xseries/systems_management)

Obtain an overview of IBM system management.

#### IBM ServerProven® page

[www.ibm.com/pc/us/compat/index.html](http://www.ibm.com/pc/us/compat/index.html)

Obtain information about hardware compatibility with IBM @server xSeries, IBM @server BladeCenter, and IBM IntelliStation® hardware.



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## Chapter 2. Installation and upgrade information

Installation instructions, including system requirements, are provided in the *IBM Systems Update Tool for Microsoft SMS 1.0 Installation and User's Guide*.

**Note:** Canceling the uninstallation of IBM Update Tool for SMS while files are being deleted can cause the data to be left in an unstable condition making it impossible to either uninstall or reinstall IBM Update Tool for SMS afterwards. To recover from this scenario, use the msizap program from Microsoft, which will remove the remaining files. After running msizap, IBM Update Tool for SMS can be reinstalled. For more information, see [http://msdn.microsoft.com/library/default.asp?url=/library/en-us/msi/setup/msizap\\_exe.asp](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/msi/setup/msizap_exe.asp) in the MSDN library.



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## Chapter 3. Limitations and general problems

This chapter contains information about limitations and general problems.

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### Limitations

IBM Update Tool for SMS has the following limitations.

**IBM Update Tool for SMS does not update OSA IPMI Mapping Layer software**

IBM Update Tool for SMS does not provide updates to the OSA IPMI Mapping Layer software. You must apply updates to this software manually.

At the time of release, this limitation affects only IBM update 31r2958W, but it could affect future updates.

**Updates require XML definitions**

Updates are not usable in SMS until their XML definitions have been released by IBM. In some cases, it can be possible to manually download an update from the IBM Support Web site before the XML definition is available. However, you should always use UpdateXpress Server to download updates, which avoids this timing issue.

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### General problems

This section contains information about these general problems applicable to IBM Update Tool for SMS 1.0:

**Update 40k8632 has a bad XML definition**

Update 40k8632 has a bad XML definition, which prevents IBM Update Tool for SMS from providing that update to SMS. This update can crash the IBMScan program.

**Hard disk update 39y4794w is not requested by IBMScan**

Update 39y4794W is not requested by IBMScan even in cases where this update applies to a particular IBM server. This update is called IBM Hard Disk Drive Update Program v1.17.

**Some updates require manual restarts to take affect**

A few updates have been shown to return Error indications to SMS, when in fact the update was installed successfully. However, when SMS sees the error, it suppresses the intended reboot after the update, which in turn prevents the machine from actually using the updated firmware. In these cases, you must manually restart the machine, after which time the update will be in use. This problem affects updates 39y4888w, 31r3454w, and 26r0664w.



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## Chapter 4. Corrections to the IBM Update Tool for SMS documentation

This chapter provides corrections to the *IBM Systems Update Tool for Microsoft SMS 1.0 Installation and User's Guide* (utsms\_docs\_user.pdf).

### **Supported operating systems**

IBM Update Tool for SMS is supported on 32-bit operating systems only.

### **Location of report.bat file**

The report.bat batch file is in the %windir%\System32\VPCache, where %windir% is the Windows® installation directory.





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