



IBM Systems

IBM Systems Update Tool
for Microsoft SMS
Installation and User's Guide

Version 1.0





IBM Systems

IBM Systems Update Tool
for Microsoft SMS
Installation and User's Guide

Version 1.0

Note

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

First Edition (December 2005)

This edition applies to version 1.0 of IBM Systems Update Tool for Microsoft SMS and to all subsequent releases and modifications until otherwise indicated in new editions.

© Copyright International Business Machines Corporation 2005. All rights reserved.

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Contents

Tables	v
-------------------------	----------

About this user's guide	vii
Who should read this user's guide	vii
Conventions and terminology	vii
Related information	vii
How to send your comments	viii

Chapter 1. Using IBM Update Tool for SMS	1
Introducing IBM Update Tool for SMS.	1
How IBM Update Tool for SMS integrates with SMS	1
Update data sources.	2
Server-side operations with IBMSync	3
Client-side operations with IBMScan	3
Operations with Distribute Software Updates Wizard	4
Caveats about the updates that IBM Update Tool for SMS can provide	4

Chapter 2. Installing and uninstalling IBM Update Tool for SMS	7
Requirements	7
Hardware requirements.	7
Supported operating systems.	7
Supported update data sources	8
Planning to install IBM Update Tool for SMS	8
Preparing to install IBM Update Tool for SMS	8

Checking all prerequisites	8
Downloading IBM Update Tool for SMS	8
Installing	9
Uninstalling	10

Chapter 3. Troubleshooting	11
IBM Update Tool for SMS Troubleshooting	11
Invalid digital signature warnings should be accepted	11
How to create a cabinet file for support personnel	11
Contacting customer support	11
Before you call	12
Using the documentation.	12
Getting help and information from the World Wide Web	12
Software service and support	12

Appendix. Notices	15
Trademarks	16

Abbreviations, acronyms, and glossary	17
Abbreviation and acronym list	17
Glossary	17

Index	19
------------------------	-----------

Tables

1. Caveats about the updates that IBM Update Tool for SMS can provide	4	3. Supported operating systems for IBM Update Tool for SMS	7
2. Minimum hardware requirements for IBM Update Tool for SMS.	7	4. Abbreviations and acronyms used in IBM Update Tool for SMS documentation	17

About this user's guide

This user's guide provides instructions for using IBM® Systems Update Tool for Microsoft® SMS to enable Microsoft Systems Management Server (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. The remainder of this guide refers to this product as *IBM Update Tool for SMS*.

Who should read this user's guide

This user's guide is for system administrators and operators using SMS and IBM Update Tool for SMS to make hardware-related updates to certain IBM servers. A basic understanding of SMS features, SMS sites, SMS clients, and software-update management using SMS is required to use this guide.

Conventions and terminology

These notices are designed to highlight key information:

Note: These notices provide important tips, guidance, or advice.

Important: These notices provide information or advice that might help you avoid inconvenient or difficult situations.

Attention: These notices indicate possible damage to programs, devices, or data. An attention notice appears before the instruction or situation in which damage can occur.

Related information

This topic provides links to additional information related to IBM Update Tool for SMS.

IBM Update Tool for SMS resources on the World Wide Web

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

IBM Update Tool for SMS page

www.ibm.com/servers/eserver/xseries/systems_management/utsms

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

IBM personal computing support page

www.ibm.com/pc/support/

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

IBM Systems Management Software: Download/Electronic Support page

www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/

Use this Web page to download IBM systems-management software, including IBM Update Tool for SMS. Check this Web page regularly for new IBM Update Tool for SMS releases and updates.

IBM *e*server[®] xSeries[®] Systems Management page

www.ibm.com/servers/eserver/xseries/systems_management

Obtain an overview of IBM systems management.

IBM ServerProven[®] page

www.ibm.com/pc/us/compat/index.html

Obtain information about IBM xSeries, IBM *e*server[®], IBM BladeCenter[®], and IBM IntelliStation[®] hardware compatibility.

Other documents

The following Microsoft documents might be of interest:

- *Microsoft Systems Management Server 2003 Concepts, Planning, and Deployment Guide*
- *Microsoft Systems Management Server 2003 Operations Guide*

Both of these documents are available from Microsoft at the Web address www.microsoft.com/smsrserver/techinfo/productdoc/default.msp.

How to send your comments

Your feedback is important in helping to provide the most accurate and highest quality information. If you have any comments about this user's guide or any other IBM publication, use the form for reader's comments that is provided at the back of this publication. If the form has been removed, you may address your comments to:

International Business Machines Corporation
Design & Information Development
Department CGFA
PO Box 12195
Research Triangle Park, NC 27709-9990
U.S.A.

Chapter 1. Using IBM Update Tool for SMS

This chapter contains information about IBM Update Tool for SMS and how it interoperates with SMS.

Introducing IBM Update Tool for SMS

IBM Update Tool for SMS is an add-on component to SMS that enables SMS to use software-update management tools to distribute hardware-related updates to IBM servers that are SMS clients. IBM Update Tool for SMS provides information to an SMS site server; it does not perform any actual software updates itself.

In other words, IBM Update Tool for SMS runs under the control of SMS to perform these tasks:

- On the SMS site server, IBM Update Tool for SMS identifies potential updates for IBM servers that are SMS clients by creating catalog entries that are added to the SMS site database.
- On an IBM server that is an SMS client, IBM Update Tool for SMS identifies the intersection between the catalog of possible updates and the actual hardware present on the SMS client.

To perform these tasks, IBM Update Tool for SMS provides two programs, *IBMSync* and *IBMScan*. Both programs log messages in the same manner that is used by Microsoft SMS.

IBM Update Tool for SMS 1.0 obtains information about hardware-related software updates from UpdateXpress Server 2.01. For more information, see “Update data sources” on page 2.

Once installed, IBM Update Tool for SMS is completely integrated within SMS. It does not have its own user interface or help system.

How IBM Update Tool for SMS integrates with SMS

The installation of IBM Update Tool for SMS provides the integration of IBM Update Tool for SMS into SMS.

To integrate IBM Update Tool for SMS with SMS, the installation of IBM Update Tool for SMS performs the following tasks in SMS:

- Creates an SMS package for IBM updates. By default, this package is called IBM Updates. During installation of IBM Update Tool for SMS, you can change the prefix that is used to name SMS objects so that this package has a different name.

This SMS package contains these SMS programs:

- IBM Updates

This SMS program runs the *IBMScan* program that is provided by IBM Update Tool for SMS. For more information about what this program does, see “Client-side operations with *IBMScan*” on page 3.

- IBM Updates (expedited)

A special SMS program for running the *IBMScan* program in an expedited manner in a test environment. The SMS documentation recommends that you

not use this program in a production environment as it has performance impacts. For more information on SMS expedited programs, see the SMS 2003 documentation.

- IBM Updates Sync

This SMS program runs the IBMSync program that is provided by IBM Update Tool for SMS. For more information about what this program does, see "Server-side operations with IBMSync" on page 3.

- Creates the following SMS collections:

- IBM Updates
- IBM Updates (pre-production)
- IBM Updates Sync

- Creates an SMS advertisement called IBM Updates that is scheduled to run weekly.

This SMS advertisement runs the SMS package IBM Updates on SMS client servers.

- Creates an SMS advertisement called IBM Updates - sync that is scheduled to run weekly.

This SMS advertisement runs the SMS package IBM Updates Sync on an SMS site server.

- Runs the IBMSync program.

For more information about what this program does, see "Server-side operations with IBMSync" on page 3.

Update data sources

IBM Update Tool for SMS obtains hardware-related software updates from the update repository in UpdateXpress Server 2.01.

IBM Update Tool for SMS reads the catalog file from the Local Content directory created by UpdateXpress Server, which is the directory used to store IBM updates. By default, this directory is C:\Program Files\IBM\UpdateXpress\Server\UXS\Local Content. When the SMS Distribute Update Software Wizard is run, it downloads the selected IBM updates from the index.xml file in this directory.

Note: IBM Update Tool for SMS 1.0 supports updates in UpdateXpress Server 2.01 that were obtained only from the IBM Support Web site or an UpdateXpress 4.02 or later CD. IBM Update Tool for SMS 1.0 is not compatible with updates from earlier CD versions.

UpdateXpress Server does not have to be installed on an SMS site server, but the share on which it is installed must be visible from the SMS site server. When specifying the path name to a remote UpdateXpress Server in IBM Update Tool for SMS, you must use the universal naming convention (UNC) path name and not a mapped share drive name.

Note: Before you can install IBM Update Tool for SMS, you must import updates from either the IBM Support Web site or an UpdateXpress 4.02 or later CD into UpdateXpress Server. Doing so creates the catalog index.xml file in UpdateXpress Server that the IBMSync program uses on the SMS site server.

Use the scheduler in UpdateXpress Server to create tasks that automatically download updates for selected servers based on update severity. You can configure the automated task to run on a regular basis just before IBMScan is scheduled to run.

For details about UpdateXpress Server, see the *IBM UpdateXpress Server 2.01 Release Notes*.

Server-side operations with IBMSync

The IBMSync program is run to create a catalog with hardware-related updates for IBM servers that are SMS clients, to create catalog entries that are added to the database for an SMS site server, and to ensure that the SMS database can support the catalog that it just created. The created catalog entries describe potential updates to IBM servers that are SMS clients. These updates are shown as Software Updates on the SMS Administrator console.

The IBMSync program is run in two different manners:

- During the installation of IBM Update Tool for SMS.
- After installation, the sync advertisement that was created during installation runs on a weekly schedule that can be changed by an SMS administrator.

When run, IBMSync performs these tasks:

- Uses an update data source to identify the software updates available for supported IBM hardware. For more information, see “Update data sources” on page 2.
- For each available update in the UpdateXpress Server catalog file, creates a Software Update entry in Microsoft SMS.
- Uses the UpdateXpress Server catalog file to create a catalog file called `IBMPatchCatalog.xml` that can be used by the IBMScan program on each SMS client.

Note: IBM Update Tool for SMS does not create the update package used by SMS. The IBMSync program only defines where the IBM updates can be found, how it needs to be packaged, and how it needs to be invoked. The Distribute Software Updates Wizard in SMS creates the actual update package that is used on each SMS client.

Client-side operations with IBMScan

The IBMScan program creates a results file that can be used by SMS to apply updates to an IBM server that is an SMS client. The results file describes the intersection between the catalog of possible updates and the actual hardware present on an SMS client.

The IBMScan program is run weekly from within the SMS package IBM Updates. It is run by SMS client code when the SMS administrator advertises that SMS package to a group of SMS clients.

When run, IBMScan performs these tasks on each SMS client that is assigned to the IBM Updates advertisement:

- Reads the `IBMPatchCatalog.xml` file that was created on the SMS site server by the IBMSync program.

- Compares the list of updates in the IBMPatchCatalog.xml file to the levels of hardware-related software installed on the SMS client.
- Creates the IBMScanResults.xml file that is used by SMS to apply applicable updates to IBM servers that are SMS clients.

Note: All updates that can be applied to a particular IBM server that is an SMS client are present in this output file, whether the update is requested. However, those updates that are requested are marked with an Applicable status. Ultimately, the SMS administrator decides which updates are applied to one or more SMS clients.

Operations with Distribute Software Updates Wizard

Once IBMScan has been run for an SMS client, use the SMS Distribute Software Updates Wizard to select the updates that you want to apply to an IBM server.

When you run the wizard, you can choose one of the following scan types:

- IBM Updates-Reboot
Use this scan type when the selected updates require that the SMS client be rebooted after the update is installed.
- IBM Updates-Immed
Use this scan type when the selected updates do not require that the SMS client be rebooted after the update is installed.

Each of these scan types corresponds to the group of updates that you want to apply.

To help you decide which scan type to use, see the Software Updates list in the SMS Administrator console. Each update in the list identifies the scan type that is required. Generally you will want to run the Distribute Software Updates Wizard twice so that you can select updates according to the two scan types.

Note: Security warnings from the Distribute Software Updates Wizard about IBM updates should be accepted. For more information, see “Invalid digital signature warnings should be accepted” on page 11.

Caveats about the updates that IBM Update Tool for SMS can provide

There are caveats about some updates that IBM Update Tool for SMS can provide to SMS.

The caveats are as follows:

Table 1. Caveats about the updates that IBM Update Tool for SMS can provide

Update area	Description
Device drivers	IBM Update Tool for SMS does not update device drivers that are not in use on an IBM server even when updates are available for the device driver.
	IBM Update Tool for SMS does not install new device drivers that do not exist on an IBM server even when the hardware is present on the server.

Table 1. Caveats about the updates that IBM Update Tool for SMS can provide (continued)

Update area	Description
Baseboard Management Controller (BMC)	<p>IBM Update Tool for SMS can update the BMC firmware only after the following Intelligent Platform Management Interface (IPMI) software components have been installed on an IBM server:</p> <ul style="list-style-type: none">• OSA IPMI device driver• IBM Mapping Layer software for OSA IPMI <p>Without both of these components installed, IBM Update Tool for SMS cannot find the BMC and cannot provide any updates to it.</p>

Chapter 2. Installing and uninstalling IBM Update Tool for SMS

This chapter provides information about requirements, planning, and preparation, as well as instructions for installing and uninstalling IBM Update Tool for SMS.

Requirements

This topic provides information about product requirements for IBM Update Tool for SMS.

Note: Be sure to observe the requirements for Microsoft SMS. For information on the software and hardware requirements for Microsoft SMS, see the documentation that comes with that product.

Hardware requirements

This section describes the minimum hardware requirements that must be met when you install IBM Update Tool for SMS.

Table 2. Minimum hardware requirements for IBM Update Tool for SMS

Program of IBM Update Tool for SMS	Runs on	Hardware requirement
IBMSync	SMS site server	Runs on any server that supports Microsoft SMS 2003, whether or not the server hardware was manufactured by IBM.
IBMScan	SMS client	<p>The hardware updates provided through IBM Update Tool for SMS only affect IBM hardware. For a complete list of systems supported for hardware updates, see the <i>IBM Systems Update Tool for Microsoft SMS 1.0 Release Notes</i>.</p> <p>Note: 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.</p>

Supported operating systems

This section lists the operating systems upon which the components of IBM Update Tool for SMS are supported.

Table 3. Supported operating systems for IBM Update Tool for SMS

Program of IBM Update Tool for SMS	Runs on	Supported operating systems
IBMSync	SMS site server	Same set of operating systems supported by Microsoft SMS. See the Microsoft SMS documentation for details.

Table 3. Supported operating systems for IBM Update Tool for SMS (continued)

Program of IBM Update Tool for SMS	Runs on	Supported operating systems
IBMScan	SMS client	<ul style="list-style-type: none"> • Windows® 2000 Server, Advanced Server, and DataCenter, Service Pack 4 and later • Windows 2003 Standard, Enterprise, and Web Servers (Service Pack 1 is not required) <p>Note: IBM Update Tool for SMS is supported on 32-bit and EM64T operating systems only.</p>

Supported update data sources

This section lists the update data sources upon which the components of IBM Update Tool for SMS are supported.

IBM Update Tool for SMS requires the index.xml file in the Local Content directory of the UpdateXpress Server installation. For more information, see “Update data sources” on page 2.

Planning to install IBM Update Tool for SMS

This topic provides planning information that will ensure that the installation of IBM Update Tool for SMS is completed successfully.

Although not required, this information illustrates some best practices that you should consider before installing IBM Update Tool for SMS:

- Install SMS 2003, SQL Server, and UpdateXpress Server on the same system.
- Accept IBM Update Tool for SMS installation defaults.

Preparing to install IBM Update Tool for SMS

Use this section to ensure that your environment is set up properly for the installation and use of IBM Update Tool for SMS.

Checking all prerequisites

Ensure that all prerequisites have been met before you install and use IBM Update Tool for SMS.

The following prerequisites are specific to IBM Update Tool for SMS v1.0:

- SMS 2003, Service Pack 1, is installed
- Microsoft Hotfix KB906554 is installed on SMS 2003
- UpdateXpress Server 2.01 is installed
- Updates from either the IBM Support Web site or an UpdateXpress 4.02 or later CD are imported into UpdateXpress Server

Downloading IBM Update Tool for SMS

Before you can install IBM Update Tool for SMS, you must first download it from the IBM Web site.

Complete the following steps to download IBM Update Tool for SMS from the IBM Web site:

1. Go to the overview page for IBM Update Tool for SMS. This page is located at www.ibm.com/servers/eserver/xseries/systems_management/utsms.
2. On the right side of the overview page, click the link for the download page.
3. From the download page, click the file link for the IBM Update Tool for SMS executable and follow any prompts.

You should also download the *IBM Systems Update Tool for Microsoft SMS 1.0 Release Notes* from this Web page.

4. Copy the downloaded executable file to a local drive on each SMS server on which you want to install IBM Update Tool for SMS.

This file is an .msi file and it contains and installs IBM Update Tool for SMS and the *IBM Systems Update Tool for Microsoft SMS 1.0 Installation and User's Guide*.

Installing

Complete the following steps to install IBM Update Tool for SMS on an SMS site server:

1. From the SMS site server on which you want to install IBM Update Tool for SMS, run the file that you downloaded.

The IBM Update Tool for SMS Setup wizard starts, and the welcome window opens.

Note: The downloaded file is called SMSIBM.MSI by default. When the SMSIBM.MSI file is double-clicked, the Microsoft Windows program `msiexec.exe` uses this .msi file to install IBM Update Tool for SMS. If you create a command to use the downloaded file, you must construct a command that uses `msiexec.exe`.

2. Click **Next**. The License agreement window opens.
3. Click **I accept the license agreement** and click **Next**. The Destination Folder window opens.
4. In the **Destination Folder** field, browse to the folder where you want to install IBM Update Tool for SMS. By default, the destination folder is `C:\Program Files\IBM Update Inventory Tool\`.
5. Click **Next**. The Distribution Settings window opens.
6. On the Distribution Settings window, enter a prefix that is used to name SMS objects that are created during the installation of IBM Update Tool for SMS. The prefix can be letters, numbers, and any of the characters present on a standard ASCII keyboard. By default, the prefix is `IBM Updates`.

The installation of IBM Update Tool for SMS provides the integration of IBM Update Tool for SMS into SMS. For more information, see "How IBM Update Tool for SMS integrates with SMS" on page 1.

7. Click **Next**. The Update Location window opens.
8. In the **Manually copy the components from a folder or network share** field, enter the full path to the directory that contains the IBM updates that IBM Update Tool for SMS will use. What you enter will depend on the server upon which UpdateXpress Server is installed:
 - If UpdateXpress Server is installed on the SMS site server, then by default, the directory is prefilled with the directory used by UpdateXpress Server to store IBM updates. To do so, IBM Update Tool for SMS determines the UpdateXpress Server installation directory from the registry entries on the SMS site server. The Local Content subdirectory of the installation directory contains the `index.xml` file used by IBM Update Tool for SMS. For example,

when UpdateXpress Server is installed in its default location, this directory is C:\Program Files\IBM\UpdateXpress\Server\UXS\Local Content.

- If UpdateXpress Server is installed on a different server, then you will have to manually enter the full path to the directory that contains IBM updates. You must use the universal naming convention (UNC) path name and not a mapped share drive name in the path name to the remote UpdateXpress Server.
9. Click **Next**. The Installation window opens.
 10. Click **Next**. The progress of the installation is displayed.
When the installation is completed, the Setup Complete window opens.
 11. Click **Finish**.

After the IBM Update Tool for SMS installation is completed, the *IBM Systems Update Tool for Microsoft SMS 1.0 Installation and User's Guide* is located in the help subdirectory of the directory where you installed IBM Update Tool for SMS. By default, the installation directory is C:\Program Files\IBM\IBM Update Tool for SMS.

Note: The configuration settings that you use during the installation of IBM Update Tool for SMS cannot be modified by SMS. Therefore, to change any of these configuration settings, you must uninstall IBM Update Tool for SMS and reinstall it with the changed configuration settings.

Uninstalling

Complete the following steps to uninstall IBM Update Tool for SMS:

1. Click **Start > Settings > Control Panel**. The Control Panel window opens.
2. Double-click **Add/Remove Programs**. The Add/Remove Programs window opens.
3. Click the IBM Update Tool for SMS program; then click **Remove**.
4. Follow any further instructions on the screen.

Chapter 3. Troubleshooting

Use this chapter to troubleshoot and resolve problems with IBM Update Tool for SMS and to contact customer service.

IBM Update Tool for SMS Troubleshooting

Use this section to troubleshoot and resolve problems with IBM Update Tool for SMS.

Invalid digital signature warnings should be accepted

Security warnings from the SMS Distribute Software Updates Wizard about IBM updates should be accepted.

When downloading software updates from a remote UpdateXpress Server using the Distribute Software Updates Wizard to create a package, you will be prompted with a security warning from the Microsoft Management Console. The security warning accurately states that the file does not have a valid digital signature. This is expected behavior as none of the IBM updates in UpdateXpress Server have digital signatures.

To continue with the package creation and file download, you must click **Run** in the Distribute Software Updates Wizard. In this case, it is safe to proceed with unsigned updates as UpdateXpress Server is a trusted source.

Note: The Distribute Software Updates Wizard will display this same security warning for each update the user tries to download.

How to create a cabinet file for support personnel

Use report.bat to create problem.cab for support personnel.

If you have problems with IBM Update Tool for SMS, you should create a cabinet (CAB) file for use by support personnel. A CAB file is a proprietary cabinet archive file for Microsoft and this file will be requested by IBM support personnel.

To create a CAB file, run the report.bat batch file that is in the ~\System32\VPCache directory of the Windows installation directory. The report.bat batch file creates a cabinet file called problem.cab, which is the file that support personnel will want.

Contacting customer support

If you need help, service, or technical assistance or just want more information about IBM products, you will find a wide variety of sources available from IBM to assist you. This section contains information about where to go for additional information about IBM and IBM products, what to do if you experience a problem with your xSeries or IntelliStation system, and whom to call for service, if it is necessary.

Before you call

Before you call, make sure that you have taken these steps to try to solve the problem yourself:

- Check all cables to make sure that they are connected.
- Check the power switches to make sure that the system is turned on.
- Use the troubleshooting information in your system documentation, and use the diagnostic tools that come with your system. Information about diagnostic tools is in the *Hardware Maintenance Manual and Troubleshooting Guide* on the IBM *xSeries Documentation* CD or in the *IntelliStation Hardware Maintenance Manual* at the IBM Support Web site.
- Go to the IBM Support Web site at www.ibm.com/pc/support/ to check for technical information, hints, tips, and new device drivers or to submit a request for information.

You can solve many problems without outside assistance by following the troubleshooting procedures that IBM provides in the online help or in the publications that are provided with your system and software. The information that comes with your system also describes the diagnostic tests that you can perform. Most xSeries and IntelliStation systems, operating systems, and programs come with information that contains troubleshooting procedures and explanations of error messages and error codes. If you suspect a software problem, see the information for the operating system or program.

Using the documentation

Information about your IBM xSeries or IntelliStation system and preinstalled software, if any, is available in the documentation that is included with your system. That documentation includes printed books, online books, readme files, and help files. See the troubleshooting information in your system documentation for instructions for using the diagnostic programs. The troubleshooting information or the diagnostic programs might tell you that you need additional or updated device drivers or other software. IBM maintains pages on the World Wide Web where you can get the latest technical information and download device drivers and updates. To access these pages, go to www.ibm.com/pc/support/ and follow the instructions. Also, you can order publications through the IBM Publications Ordering System at www.elink.ibm.com/public/applications/publications/cgibin/pbi.cgi.

Getting help and information from the World Wide Web

On the World Wide Web, the IBM Web site has up-to-date information about IBM xSeries and IntelliStation products, services, and support. The address for IBM xSeries information is www.ibm.com/eserver/xseries/. The address for IBM IntelliStation information is www.ibm.com/pc/intellistation/.

You can find service information for your IBM products, including supported options, at www.ibm.com/pc/support/.

Software service and support

Through IBM Support Line, you can get telephone assistance, for a fee, with usage, configuration, and software problems with xSeries servers, IntelliStation

workstations, and appliances. For information about which products are supported by Support Line in your country or region, go to www.ibm.com/services/sl/products/.

For more information about Support Line and other IBM services, go to www.ibm.com/services/, or go to www.ibm.com/planetwide/ for support telephone numbers. In the U.S. and Canada, call 1-800-IBM-SERV (1-800-426-7378).

Appendix. Notices

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

IBM World Trade Asia Corporation
Licensing
2-31 Roppongi 3-chome, Minato-ku
Tokyo 106-0032, Japan

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Corporation
MW9A/050
5600 Cottle Road
San Jose, CA 95193
U.S.A.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

Trademarks

The following terms are trademarks of International Business Machines Corporation in the United States, other countries, or both:

BladeCenter™
@server
IBM
IBM logo
IntelliStation
ServerProven
xSeries

Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product, or service names may be trademarks or service marks of others.

Abbreviations, acronyms, and glossary

Abbreviation and acronym list

This topic lists abbreviations and acronyms used in the IBM Update Tool for SMS documentation.

Table 4. Abbreviations and acronyms used in IBM Update Tool for SMS documentation

Abbreviation or acronym	Definition
BIOS	basic input/output system
SMS	Systems Management Server
SQL	structured query language

Glossary

This topic provides definitions of terms that are used in IBM Update Tool for SMS. Most definitions originate from SMS. For complete definitions of those terms, see the SMS documentation.

A

advertisement

In SMS, the feature that makes software updates known to SMS clients. Each advertisement identifies a package, and a program within that package.

C

catalog

A file that contains a list of all updates. In UpdateXpress Server, this term refers to the index.xml file that is created in the Local Content subdirectory of UpdateXpress Server. In IBM Update Tool for SMS, this term refers to the IBMPatchCatalog.xml file that is created by IBMSync on the SMS site server and used by the IBMScan program.

collection

In SMS, a group of resources, such as SMS clients. Collections are designed to gather resources into useful groups that you can manage.

D

Distribute Software Updates Wizard

In SMS, a management tool used to distribute software updates to SMS clients, by creating packages and advertisements.

P

package

In SMS, a container for the software which will be distributed to SMS clients.

program

In SMS, a definition of the command-line which will be run within a given package, in order to deliver an advertisement to SMS clients.

S

SMS Systems Management Server

SMS client

In SMS, a server that has SMS client software installed and belongs to an SMS site.

SMS site server

In SMS, the server that provides SMS functionality to the site.

U

UpdateXpress Server

An IBM product that you can use to manage multiple versions of IBM device drivers and firmware updates from a central repository within your network.

update data source

The source of hardware-related updates that is used by IBM Update Tool for SMS.

Index

A

abbreviation and acronym list 17

B

best practices 8

C

cabinet file, creating 11
catalog file 3
caveats about updates 4
customer support, contacting 11

D

description of IBM Update Tool for SMS 1
digital signature warning 11
Distribute Software Updates Wizard
 digital signature warnings 11
 operation 4
downloading IBM Update Tool for SMS 8

F

files
 IBMPatchCatalog.xml 3
 IBMScanResults.xml 3

H

hardware requirements
 minimum 7

I

IBM Update Tool for SMS
 documentation vii
 downloading 8
 installation 9
 integration with SMS 1
 overview 1
 prerequisites 8
 programs of 1
 Web page vii
IBM Updates package 3
IBM Updates-Immed 4
IBM Updates-Reboot 4
IBM Web sites vii
IBMPatchCatalog.xml 3
IBMScan 3
IBMScanResults.xml file 3
IBMSync 3
index.xml file 9
installation 7

installation (*continued*)
 downloading IBM Update Tool for SMS 8
 hardware requirements 7
 operating systems supported 7
 planning 8
 prerequisites 8
 procedure for 9
 uninstallation 10
 update data sources supported 8
integration with SMS 1

L

legal notices 15
 trademarks 16
limitations about updates 4
Local Content directory 9

M

Microsoft
 documentation vii

O

operating systems
 supported 7

P

package 3
patch file 3
planning, considerations 8
problem solving 11
 creating report.bat 11
 digital signature warnings 11

R

report.bat, creating 11
requirements 7
 hardware 7
 operating system 7
 update data source 8
restrictions about updates 4
results file 3

S

scan types 4
SMS
 documentation vii
SMS client
 integration with 1
 running IBMScan 3
SMS site server
 integration with 1

SMS site server (*continued*)
 running IBMSync 3
 solving problems 11
 creating report.bat 11
 digital signature warnings 11

T

trademarks 16
troubleshooting 11
 creating report.bat 11
 digital signature warnings 11

U

update data source 2
 caveats about updates 4
 supported 8
Update Location installation window 9
UpdateXpress CD 2
UpdateXpress Server 2
 Local Content directory 9
 using remote installations 9

W

Web page
 IBM Update Tool for SMS vii

Readers' Comments — We'd Like to Hear from You

IBM Systems
IBM Systems Update Tool
for Microsoft SMS
Installation and User's Guide
Version 1.0

Part Number 39Y5208

Overall, how satisfied are you with the information in this book?

	Very Satisfied	Satisfied	Neutral	Dissatisfied	Very Dissatisfied
Overall satisfaction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

How satisfied are you that the information in this book is:

	Very Satisfied	Satisfied	Neutral	Dissatisfied	Very Dissatisfied
Accurate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Easy to find	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Easy to understand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Well organized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Applicable to your tasks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please tell us how we can improve this book:

Thank you for your responses. May we contact you? Yes No

When you send comments to IBM, you grant IBM a nonexclusive right to use or distribute your comments in any way it believes appropriate without incurring any obligation to you.

Name

Address

Company or Organization

Phone No.



Fold and Tape

Please do not staple

Fold and Tape



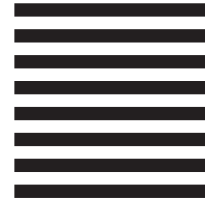
NO POSTAGE
NECESSARY
IF MAILED IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST-CLASS MAIL PERMIT NO. 40 ARMONK, NEW YORK

POSTAGE WILL BE PAID BY ADDRESSEE

International Business Machines Corporation
Dept. CGFA
PO Box 12195
Research Triangle Park, NC 27709-9990



Fold and Tape

Please do not staple

Fold and Tape



Part Number: 39Y5208

Printed in USA

(1P) P/N: 39Y5208

