Software Delivery Assistant Version 1.3

User's Guide

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Software Delivery Assistant, Version 1.3
(May 2002)

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Chapter 1. Installing and Starting Software Delivery Assistant

This section contains instructions for installing and starting Software Delivery Assistant (SDA) version 1.3.

System requirements

SDA version 1.3 requires one of the following Microsoft® operating systems:

- Windows® 95
- Windows 98
- Windows NT® 4.0
- Windows 2000
- Windows Millennium Edition
- Windows XP

Installing Software Delivery Assistant

Do the following to perform an attended installation of Software Delivery Assistant on a server, console, or client runnings Windows NT or Windows 98:

1. To download the program, go to the following IBM web page and search for *SDA*:
   http://www.ibm.com/pc/.
2. From the Windows Start menu, click **Run**.
3. In the **Open** field, type:

   drive_letter:*directory*\sdav13.exe

   where *drive_letter* and *directory* are the drive and directory where the installation program is located.
4. Click **OK** to start the installation program.
5. In the Welcome window, click **Next** to continue the installation.
6. Click **Next**.

   The Software Delivery Assistant Installer installs the program files.
7. The Setup Complete window opens when the installation is complete. Click **Finish** to confirm.

Starting Software Delivery Assistant

You can start SDA with one of these methods:

- Click **Start** → **Programs** → **IBM Software Delivery Assistant v1.3**.
- Double-click the SDAassist.exe file located within C:\Program Files\SDAv13\SDAssist.exe.

Uninstalling Software Delivery Assistant

To remove Software Delivery Assistant from your system, do the following:

1. Click **Start** → **Settings** → **Control Panel**.
2. Double-click **Add/Remove Programs**.

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3. Select the **IBM Software Delivery Assistant V1.3** program name from the Install/Uninstall list.
4. Click **Remove**.
5. In the Confirm File Deletion window, click **Yes**.
6. Click **OK**.

Chapter 2. Using Software Delivery Assistant

IBM® Software Delivery Assistant (SDA) helps with the deployment of a single application set that you can use across an entire organization. SDA can create a single common application set that you can deploy to all users, regardless of their operating system, language, hardware configuration or business group (for example, marketing, development, or finance).

With SDA, you package all of the unique application sets, based on business groupings (such as Marketing or Manufacturing Development) within your enterprise into a single installation SDA image. You can then combine this SDA image with a base image, which contains an operating system, device drivers, and core applications (such as an antivirus tool), to form a common superimage that can be deployed to all users within your enterprise regardless of what business group they are in.

SDA consists of two parts:

- SDA-Administrator
- SDA-Installer

You, the administrator, use SDA-Administrator to create an SDA image. Users use SDA-Installer to install their application sets onto their computers from the SDA image that you create. You can also set up SDA-Installer to run automatically on the end users' computers.

Overview

The following topics present an overview of the IBM SDA process.

Gathering information

Have the following information available before you begin:

- The operating systems that you are deploying applications to. The SDA-Administrator can be used to create SDA images that support Microsoft Windows 95, Windows 98, Windows NT 4.0, Windows 2000, Windows Millennium Edition, and Windows XP.
- The languages that you are deploying applications to.
- The groups for which different suites of applications are needed. For example, groups could include your company's managers, marketing department, or payroll division.
- The user-profile fields that you want to define. At a minimum, you will have a group user-profile field, so that the user can indicate which suite of applications is to be installed.

Creating a workspace

A workspace (.SSW) contains all the information that is required to build an SDA image. You can create a new workspace, or you can import a workspace from an SDA image that was previously built to create a new workspace. The SDA image-creation wizard guides you through the process of setting up a new workspace. The workspace interface resembles the Microsoft Windows Explorer

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interface. You can edit this workspace to add, copy, move, or delete languages, groups, and applications to the workspace.

Translating the SDA image text

You can translate the group names and user-profile field names into the different languages for the SDA image. The SDA-Administrator extracts the text from the workspace into files that you can send to your translators. When you receive the translations, reintegrate this translated text into your workspace.

The user-profile field names and group names can also be presented in different languages.

Previewing the SDA image

To verify that you have specified the correct information in the workspace to create the SDA image that you want, you can run a preview of the SDA image. Previewing the image does not actually install any applications but instead simulates the installation by showing which applications will be installed for a selected business group.

Building the SDA image

When you are certain that you have specified the correct information in the workspace, build the SDA image. Building the SDA image copies programs for all the applications for deployment onto users' computers to the SDA image.

Downloading the SDA image to the users' computers

After you build the SDA image, download the SDA image to each user's computer (through a tool such as IBM Remote Deployment Manager, PowerQuest Drive Image, or Norton Ghost). You can also copy the SDA image to a CD for distribution.

Users can access the SDA image through the SDA-Installer to install their application suites, or you can set the SDA-Installer to automatically install the required applications.

Starting the SDA image

The user can start the SDA-Installer by running **swselect.exe** in the SDA image after the computer has been restarted.

Installing software onto users' computers

The first time SDA-Installer runs, the program prompts the user to select one of the business groups that are defined in the SDA workspace. After the user selects a business group, the SDA-Installer installs the required applications from the Common group and the user's selected business group.

You can set up the SDA image to do one of the following after the required applications are installed:

- Leave all applications in the SDA image after the required applications are installed.
- Delete the SDA image to free up space on the user's hard disk (if the SDA image is on the user's hard disk).

- Delete all application installation programs from the SDA image to free up space on the hard disk and enable the user to install additional applications from another SDA image either on the hard disk or on an attached network drive.
- Allow the user to select additional applications to install from the same SDA image (applications designated as optional for the common group and the user's selected business group in the SDA workspace).

Getting started

After you compile your system and workspace information, you can create (or import) the workspace. Before you begin, make sure that you have all the necessary information for your workspace.

If you want to permanently hide the SDA - Administrator window, select the **Do not show this window again** check box when the window opens. Until you do this, the window opens whenever you start the program.

Getting familiar with the workspace

The SDA-Administrator builds and displays the workspace. The workspace interface resembles the Microsoft Windows Explorer interface. The left pane of the window displays the structure of the workspace, with each group listed within each language. Each language contains its own set of user-profile fields, which you can modify. In addition, each language contains a Common group and one or more other groups. Furthermore, each group can contain one or more subgroups.

The right pane of the SDA-Administrator window displays the contents of the item that you highlight in the left pane of the window.

Note: You must save the workspace file before you exit from the SDA-Administrator. Click **File** → **Save** or **File** → **Save As** and save the file as you would any other file.

Naming the workspace

Give the workspace a descriptive name in the **Workspace name** field.

Selecting languages

Select each language that you want the SDA image to support. These languages must correspond to the language versions of the operating systems that you are deploying.

Specifying groups

A group is a set of applications specific to a particular organization, job, or discipline in your enterprise. (For example, in a university setting, groups might include the Schools of Journalism, Dentistry, and Business). List the groups that you want the SDA image to support. The list of groups must contain the Common group, which contains the applications that are used by all groups.

Specifying user-profile fields

Create the user-profile fields that you want the users to complete the first time they install the SDA image. (For example, a user-profile field might be an employee ID, or a location.)

Opening an existing workspace

You can use an existing workspace that has not yet been used to build an SDA image by clicking **File** → **Open** and navigating to the existing workspace. You can then rename the workspace to create a new workspace and modify it as necessary.

Importing a workspace from an existing SDA image

You can create a new workspace from an existing SDA image by importing a workspace from the existing SDA image. You can then modify the workspace to create a new SDA image. The SDA-Administrator will use installation (setup) files from the existing SDA image rather than from the locations from which the files were originally obtained when the existing SDA image was built.

The SDA-Administrator imports the new workspace as the active workspace. You can edit the workspace to add applications to the groups and add, copy, move, and delete items in the workspace. Information and error messages for the import process are displayed in the information panel.

Toolbar buttons

From left to right, you find these toolbar buttons:

New Click this button to create a new workspace. Using this option is the same as clicking **File → New**.

Open Click this button to open an existing workspace. Using this option is the same as clicking **File → Open**.

Save Click this button to save the active workspace. Using this option is the same as clicking **File → Save** or **File → Save As**.

Cut Click this button to delete the selected item from the workspace and copy it to the Clipboard. Using this option is the same as clicking **Edit → Cut**.

Copy Click this button to copy the selected item to the Clipboard. Using this option is the same as clicking **Edit → Copy**.

Paste Click this button to copy the contents of the Clipboard to the selected item. Using this option is the same as clicking **Edit → Paste**.

Information panel
Click this button to show or hide the information panel, which displays the results of build, import, and translation send and receive processes.

Help Click this button to display help for the SDA-Administrator.

Menu options

Use the following menu options to manipulate the SDA workspaces.

File

You can use the File menu options to create, open, or import workspaces.

New Click this option to create a new workspace. Using this option is the same as clicking the **New** button on the toolbar.

Open Click this option to open an existing workspace. Using this option is the same as clicking the **Open** button on the toolbar.

Import
Click this option to import a workspace from an existing SDA image.

Edit

The Edit menu options resemble the editing options in many Microsoft Windows applications.

Selected object
Click this option to change the name of a workspace.

Delete Click this option to delete the selected language, group, or application.

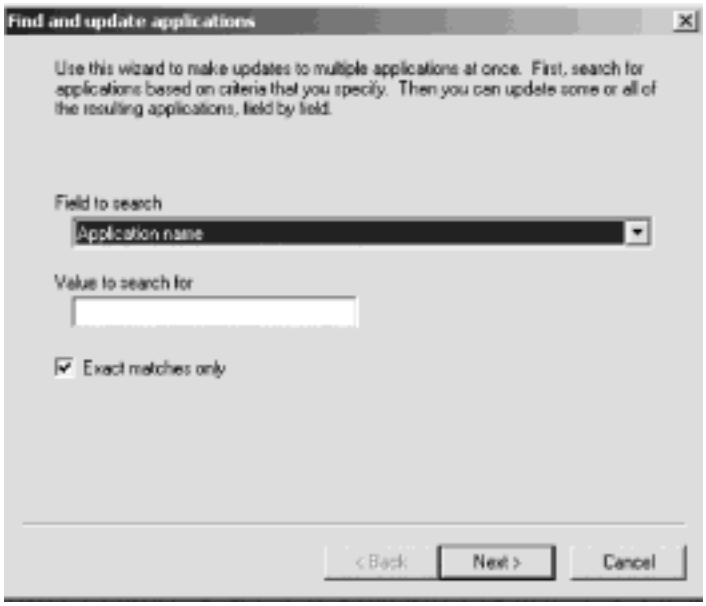
Cut Click this option to delete the selected language, group, or application and save it to the Clipboard. Clicking this option is the same as clicking the **Cut** button on the toolbar.

Copy Click this option to copy the selected item to the Clipboard. Clicking this option is the same as clicking the **Copy** button on the toolbar.

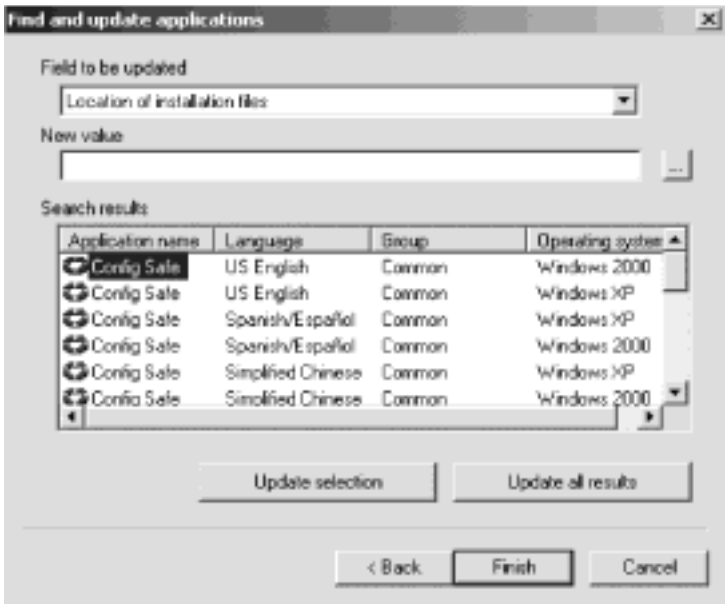
Paste Click this option to copy the contents of the Clipboard to the selected item. Clicking this option is the same as clicking the **Paste** button on the toolbar.

Find and update
Click this option to propagate a property change to many applications. For example, you might want to change the location of the installation source files for one or more applications within multiple groups and languages.

Perform a query to narrow the list of applications to update. You can search on any of the application property fields, such as application name, language, group, or location of the install files. Click **Next**.



From the query results, select the application entries to update by selecting the check box beside each entry in the query Results panel. Then choose the field to update and the new value to assign.



Click the **Update selection** button to update only the selected applications, or click the **Update all results** button to update all the applications in the Results panel. Click **Finish**.

View

You can use the View menu options to change the appearance of the SDA-Administrator window.

Toolbar
Click this option to show or hide the toolbar.

Status bar
Click this option to show or hide the status bar at the bottom of the SDA-Administrator window. The status bar displays the function of a highlighted menu item.

Information panel
Click this option to show or hide the information panel at the bottom of the "SDA-Administrator" window. The information panel displays the results of build, import, and translation send and receive processes.

Operating systems
Click this option to display applications for one operating system only. You can choose to display applications for Microsoft Windows 95, Windows 98, Windows NT 4.0, Windows 2000, Windows Millennium Edition, or Windows XP.

Insert

Use the following menu options to insert a language, group, subgroup, application, or profile field into an SDA image.

Language
Click this option to add one or more languages to a workspace.

In the left pane of the SDA-Administrator window, click the workspace name and then click the **Insert → Language** menu option. Or you can right-click the workspace name and click **Insert language**.

In the "Insert language" window, click the languages that you want to add to the workspace, and click **OK**.

Group Click this option to add a group to a language in a workspace.

In the left pane of the SDA-Administrator window, click the language to which you want to add a group, and then click the **Insert → Group** menu option. Or you can right-click the language, and click **Insert group**. In the "Insert group" window, type the name of the new group, and click **OK**.

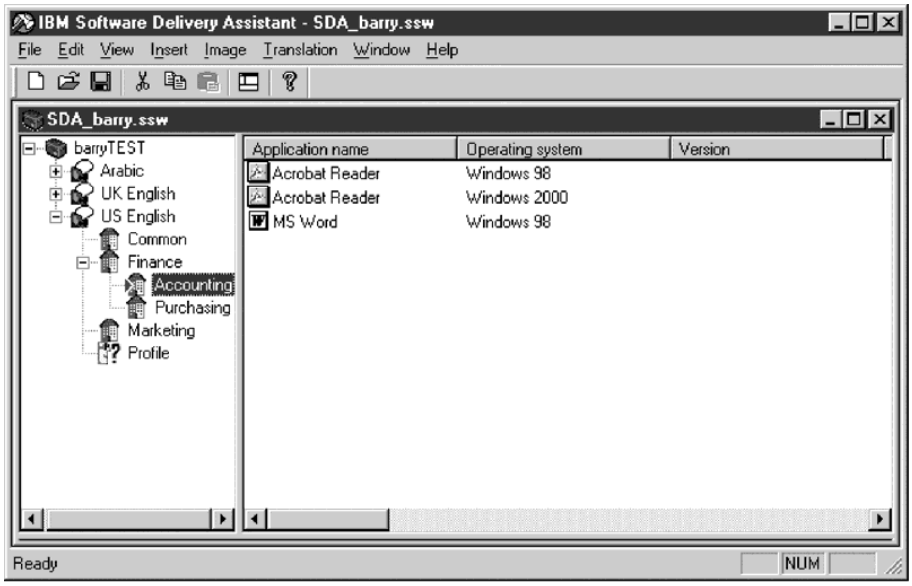
You can also assign a password to each group. After an image is deployed, the user must type the password for the selected group's application set to be installed.

When adding a group to an SDA workspace in the "Insert group" window, type the password in the **Password** field. You can also modify a group-assigned password by right-clicking the group and clicking the **Edit** option.

Subgroup

Click this option to create application subgroups within a group. This eases the complexity of managing large numbers of groups by enabling you to structure a hierarchy within a group. For example, you might have different divisions within your enterprise. Within each division, unique business groups may require unique application sets. SDA enables you to create a group for each division and subgroups within each group.

The following illustrates how SDA manages groups and subgroups:



The following rules apply to adding groups and subgroups:

- Languages can contain groups and user-profile fields.
- Groups can contain subgroups and applications.
- Subgroups can contain only applications. Subgroups cannot contain other subgroups.
- If you copy a subgroup into a language, the subgroup is converted into a group.

- If you copy a group into another group, the group is converted into a subgroup.

Application

Click this option to add an application to a group or subgroup within a language.

In the left pane of the SDA-Administrator window, click the group or subgroup to which you want to add an application, and then click **Insert** → **Application**. Or you can right-click the group and click **Insert application**. In the "Insert application" window, specify information about the application. When you are finished specifying the necessary information on each tab, click **OK**.

Profile field

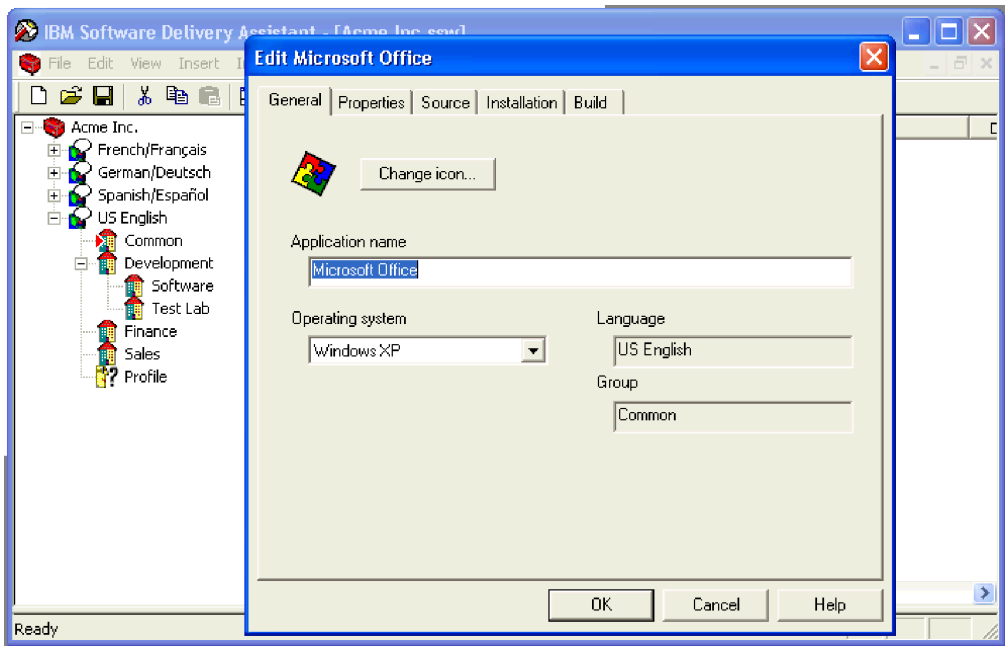
Click this option to add a user-profile field within a language. A user-profile field helps identify the user who installs the software from SDA. In the "User profile" window that opens, you can designate the field as Required, meaning that the user must complete it. You can also define the field size in characters and list valid entries from which the user selects.

The responses by the user profile fields are saved in a hidden file at c:\sdaprof.ini

Application insertion properties

You can add applications to the workspace in the "Insert application" window.

General: Use the fields in the **General** tab to specify basic information about an application.



Change icon

This optional feature allows you to use an icon other than the default icon. Click the **Change icon** button and browse to the file (usually an .EXE, .ICO, or .DLL file) that is associated with the icon. Click the application,

and click **Open**. You can select one of the icons that are displayed. The system associates the icon that is displayed in the **General** tab with the application in the SDA image.

Sample icons are included with SDA-Installer.

Application name

You must type the name of the application in this required field as you want it to be displayed in the SDA image.

Operating system

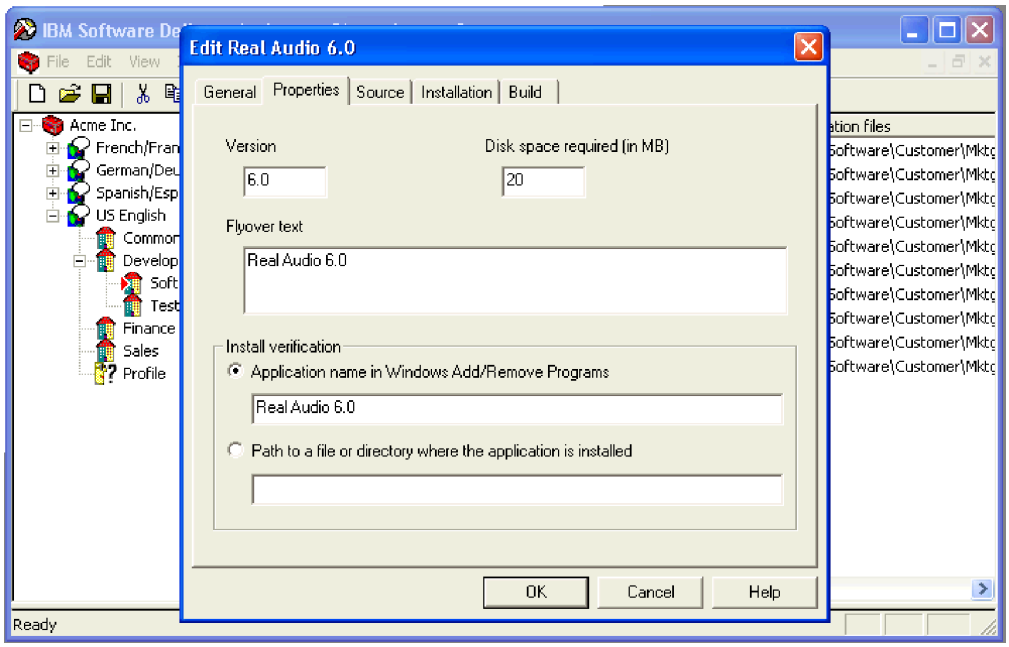
You must select the operating system in which the application will be deployed.

Note: If different operating systems require different versions of an application, you must add them to the workspace separately.

Language and Group

These fields display the language and group to which the application belongs. You cannot change these fields in the **General** tab.

Properties: All the items in the **Properties** tab provide the data that is displayed in the optional-installation portion of the SDA-Installer. These optional items are applicable only if you specify that the entire SDA image is to be left on the user's hard disk after SDA installs the required applications.



Version

Type the version number of the application as you want it to appear in the SDA-Installer.

Disk space required (in MB)

Type the approximate amount of disk space that a typical installation of the application requires. This value is only displayed in the SDA-Installer; the information is not used by any program.

Flyover text

Type a brief description of the application to appear in the SDA-Installer when the user positions the cursor over the application name.

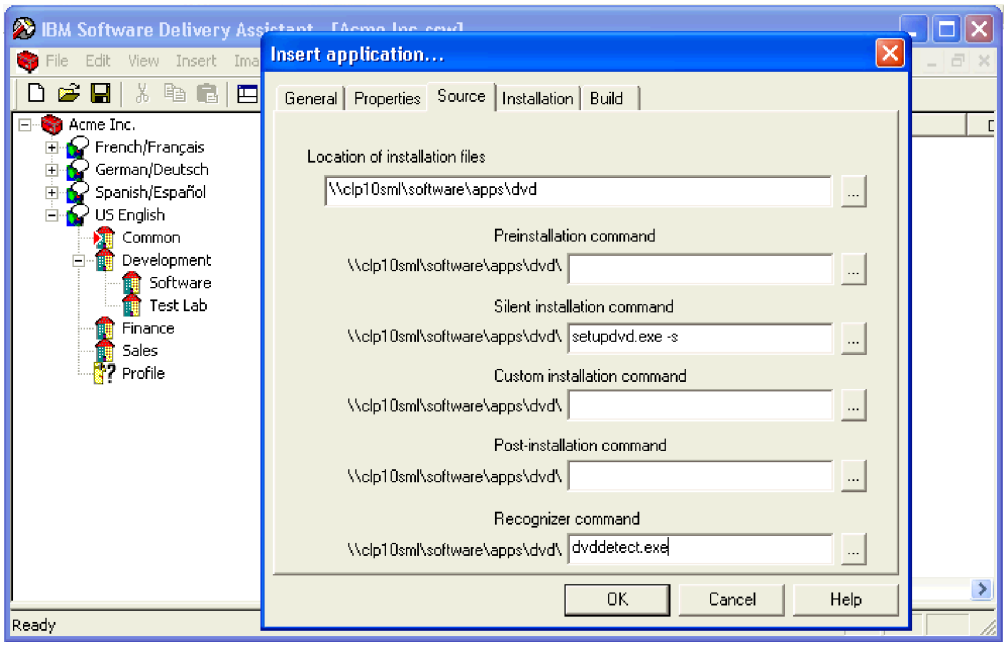
Application name in Windows Add/Remove Programs

To determine if an application has been installed and to be able to uninstall the application through the SDA-Installer, type the name of the application exactly as it will appear in the Windows Add/Remove Programs window.

Path to a file or directory where the application is installed

If an Add/Remove Programs name does not appear for the application and you still want the SDA-installer to be able to determine where the application is installed, type a fully qualified path to the application. This gives SDA an alternative method to determine if an application is installed. For example, the file could be:
C:\PROGRAM FILES\LOTUS\NOTES\NOTES.EXE.

Source: Use the fields in the **Source** tab to specify the location and names of installation files. You must specify either a silent installation command file or a custom installation command file; you can specify both. If you specify both, the system defaults to the silent installation command.



Location of installation files

You must specify the path where the files that are used to install the application are located. The path that you specify in this required field is automatically displayed as the path for the **Silent Installation Command** field on the **Source** tab.

Preinstallation command

You have the option to set a program to run immediately before a program as part of the application installation process.

The preinstallation command enables you to customize the environment, such as setting up a registry key or implementing a batch command.

Silent installation command

You must complete this field if you do not specify a custom installation command. Type the name of the silent installation command, including any switches that are required to run the silent installation (for example, SETUP.EXE –S).

A silent installation occurs without input from the user. You must make sure that the program that you are using to install the applications (such as InstallShield, WiseInstaller, or Windows Installer) supports silent installation. Most installation programs support silent installation.

Custom installation command

You must complete this field if you do not specify a silent installation command file. Type the name of the custom installation command file.

A custom installation occurs with input from the user, such as installation options and destination directories.

Post-installation command

You have the option to set a program to run immediately after a program as part of the application installation process.

The post-installation command enables you to customize the installed application after the installation is complete. You can also custom configure the application that is installed by the SDA-Installer.

An example of a post-installation command would be setting the automatic update service for antivirus software.

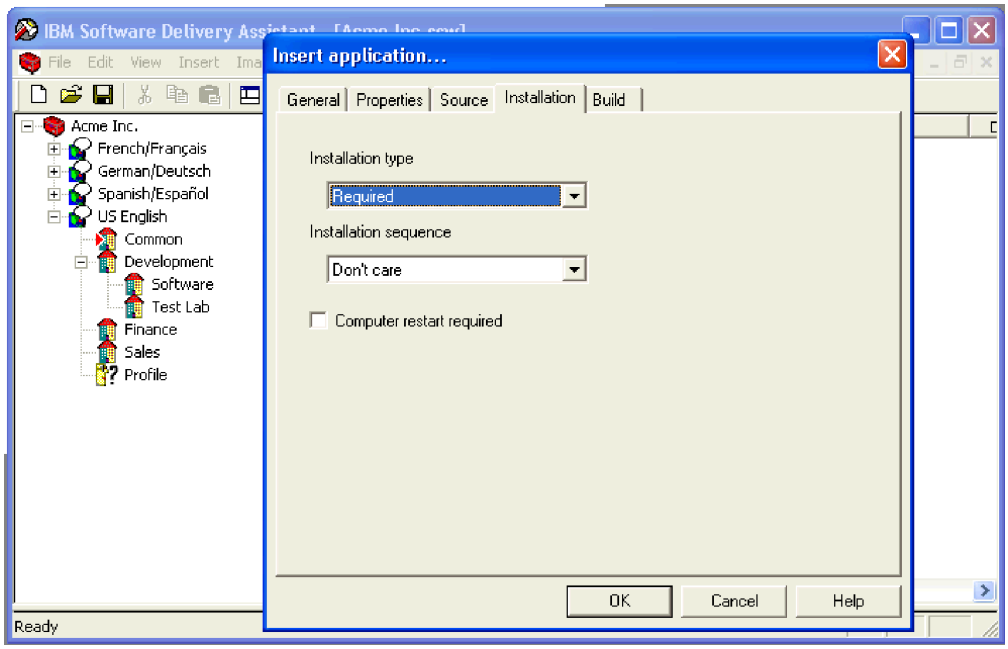
Recognizer command

This command allows an application to have a recognizer program associated with it, which determines whether the application is installable on a particular system. Typically a recognizer will detect the existence of a particular hardware device.

Recognizer programs return 0 if the condition is false, or 1 if the condition is true. For example, a recognizer could check for the existence of a DVD drive and return a 1 if true. In this example, a DVD player application could specify this recognizer and it would only be installed if the DVD drive exists on the system.

Note: You must provide recognizer programs.

Installation: Use the fields in the **Installation** tab to specify installation properties of the application.



Installation type

You must click one of the following options from the menu:

- **Optional** - Installation of the application is optional.
- **Recommended** - Installation of the application is also optional. However, in the SDA-Installer window, the application is selected by default the first time SDA-Installer runs. The user must deselect the application to avoid installing it.
- **Required** - The application is unconditionally installed during the auto-installation portion of the SDA-Installer.

The **Optional** and **Recommended** settings require that the user manually select the application to install.

Installation sequence

Use this menu to assign the application an installation priority relative to other applications that are being installed. The installation sequence begins with **1**, the highest priority and continues to **Don't care**. Applications that you assign the same priority are installed in random order relative to each other.

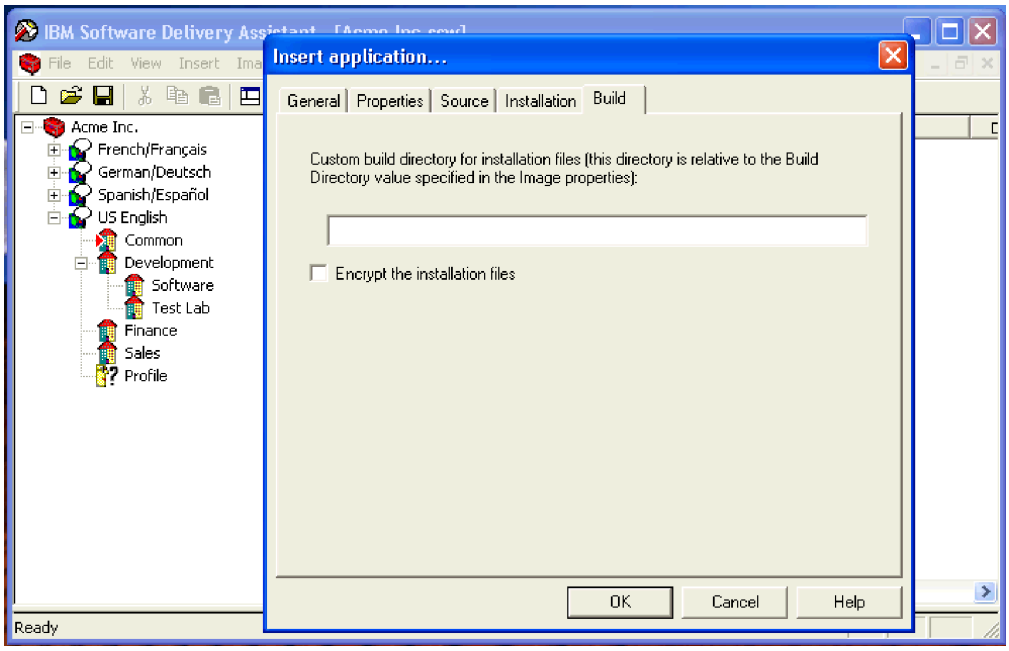
Computer restart required

Select this check box if the computer must restart to complete the installation of the application. This selection applies only to applications that are installed during the optional-installation portion of the SDA-Installer. When installation of the optional applications is complete, SDA prompts the user to restart the computer.

SDA Version 1.3 installs both Common and business group applications together, following a single sequence (if a sequence is designated).

Build: Use the fields in the **Build** tab to custom build a directory structure for the installation files of the SDA image. The directory specified here is appended to the Build Directory specified in the image properties to create the fully qualified path

for the install source to be copied to.



Encrypt the installation (setup) files

This optional setting enables you to encrypt one or more applications with PKZIP software using a password (specified in the image properties) when building an SDA image.

Encryption prevents a user from manually navigating the SDA image directory and installing an application that must not be installed (typically for royalty or licensing reasons).

When an application is marked for encryption, the SDA-Administrator zips the installation files with a password and copies the .ZIP file to the SDA image. When SDA-Installer installs an encrypted application, the installation source for the application unzips to a temporary directory on the user's hard disk. The installation program runs from the temporary directory and is then deleted.

Note: Use application encryption only where license restrictions require it. Encryption lengthens the installation time by decompressing each of the encrypted applications before running the installation program.

Image

Use the following menu options to manipulate the SDA image that you bundle into the workspace.

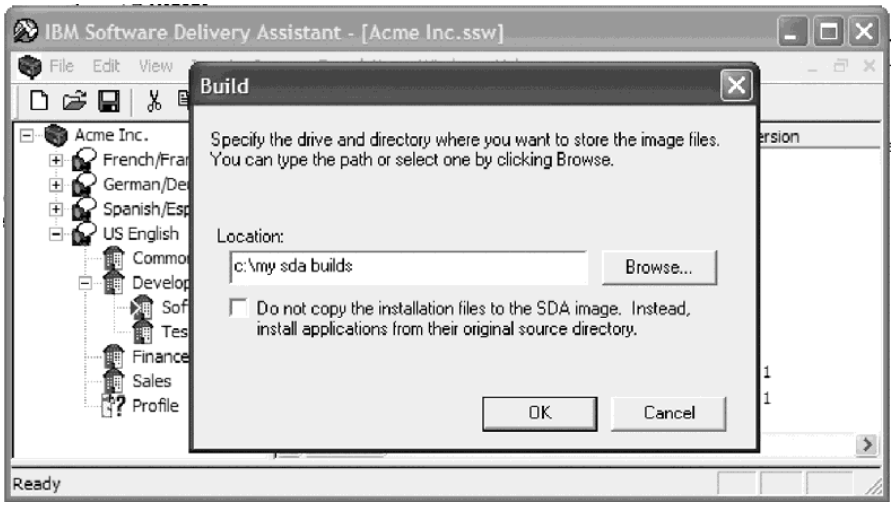
Preview

Click this option to ensure that you have the correct information in the workspace to create the SDA image that you want. The preview SDA image simulates the installation of applications through the SDA-Installer.

Previewing the image does not actually install any applications but instead simulates the installation by showing which applications will be installed for a selected business group.

Build

Click this option to store the SDA image files in a build directory on your system.



Select the check box option **Do not copy the installation files ...** to allow the application source to reside in the original source directory rather than copying the source for each application to the SDA image. This helps keep the SDA image small. However, you must have network access to install applications and the install time will be longer due to the network access time.

Note: To ensure that you have the correct information in the workspace to create the SDA image that you want, create a preview SDA image before you build the SDA image.

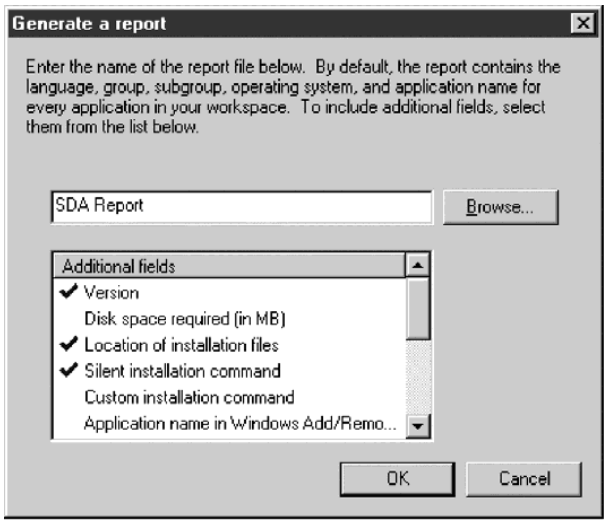
Report

Click this option to generate a printable, formatted report containing a list of the application sets within a workspace.

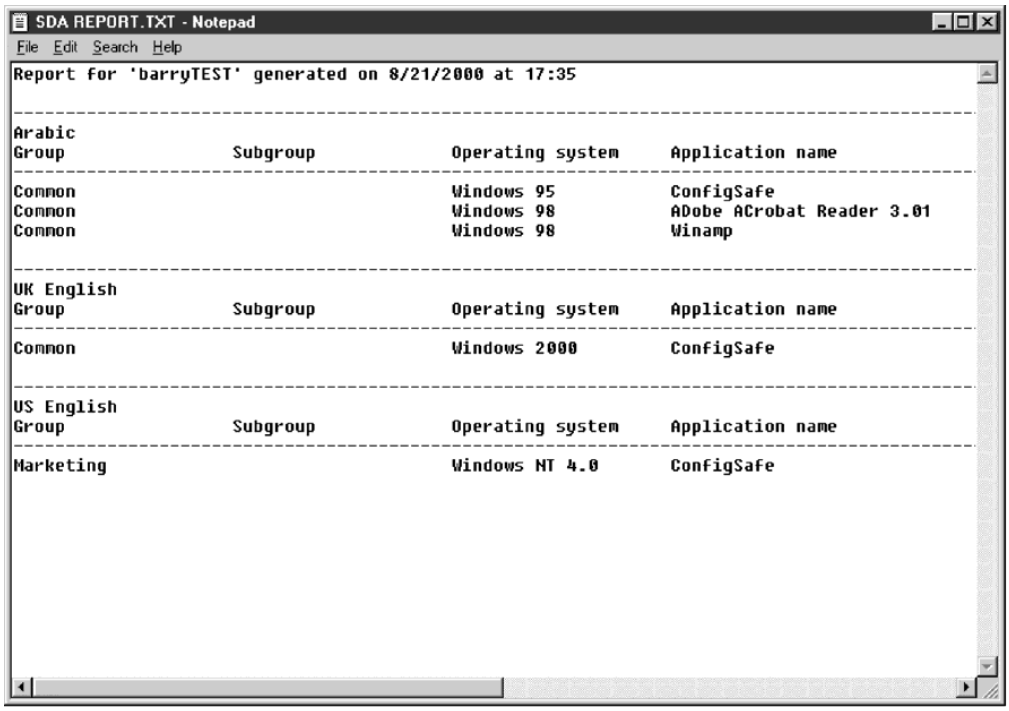
The report categorizes the applications by language. The report contains the following default columns:

- Application name
- Group name
- Subgroup name
- Operating system

You can customize the report by selecting which application properties to include in the report. For example, you can add the location of the installation files and the version for each application.



After you select the additional fields to include in the report, click **OK** to generate the report file in a standard ASCII format.



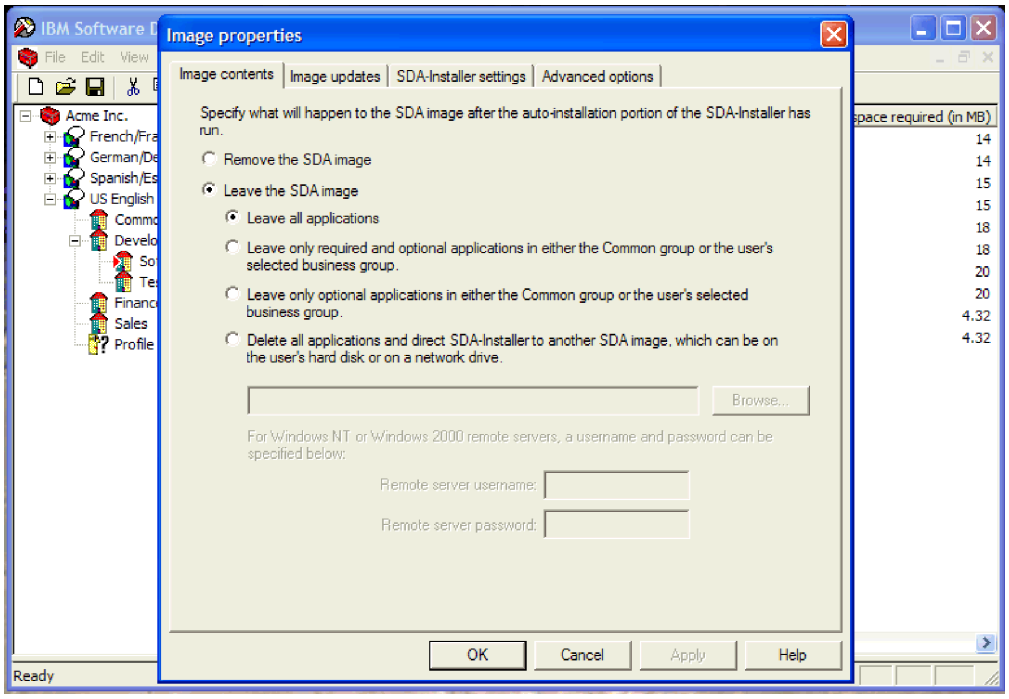
Properties

Click this option to define what happens with the SDA image after the required applications are installed on a user's system.

Image contents: Use the options in the **Image contents** tab to specify what happens to the SDA image after the auto-installation portion of the SDA-Installer installs required applications.

SDA image option	Result
Leave all applications	Allows the administrator to designate that ALL applications in the SDA image are to stay in the SDA image. Nothing will be deleted from the SDA image after required applications are installed.
Leave only required and optional applications in either the Common group or the user's selected business group.	Enables users to either reinstall one of their required applications (in case the installation ever becomes damaged) or install an optional or recommended application.
Leave only optional applications included in either the Common group or the user's selected business group.	Deletes all the required applications already installed. The user can install only the remaining optional or recommended applications in either the Common group or the user's selected group.
Delete all applications and direct SDA-Installer to another SDA image, which can be on the user's hard disk or on a network drive.	Specifies an alternative SDA image that contains another application set. This application set should have optional applications that the user can choose from. Required applications in the alternative application set will not be automatically installed.

The following diagram illustrates the options that the Image window contains.



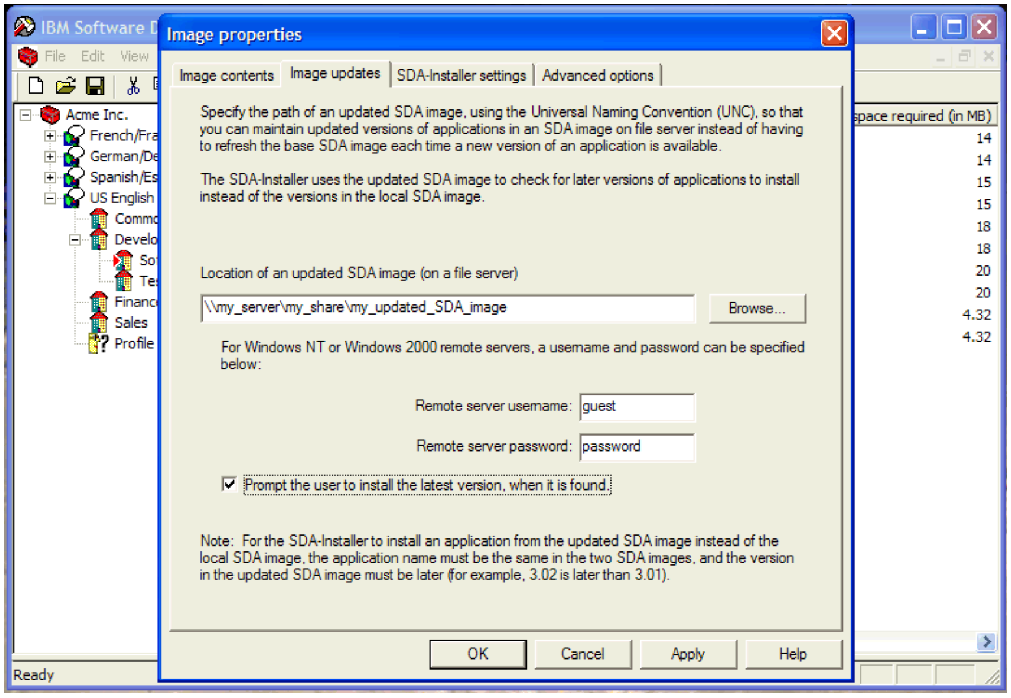
If you select the **Delete all applications and direct SDA-Installer to another SDA image** option, you have the option to enter a username and password at the **Remote server username** and **Remote server password** fields.

The username and password you enter here allow the user to install the applications without having to enter such information. If you leave these fields blank, the user will have to enter that information when installing the programs.

Image updates: You can provide updated versions of applications for multiple SDA images on a file server. When the SDA-Installer installs the user's application set, it can look for a more recent version of each application in another SDA image

(usually on a remote file server) before installing each application. If a more recent version of an application is located, SDA-Installer installs that version instead of the version that is in the SDA image on the user's hard disk. The SDA image on the user's hard disk still determines the application set that is installed.

The following illustrates how an administrator can designate an updated SDA image:



If you enter a location in the Location of an updated SDA image (on a file server), you have the option to enter a username and password at the **Remote server username** and **Remote server password** fields.

The username and password you enter here allow the user to install the latest applications without having to enter such information. If you leave these fields blank, the user will have to enter that information when installing the programs.

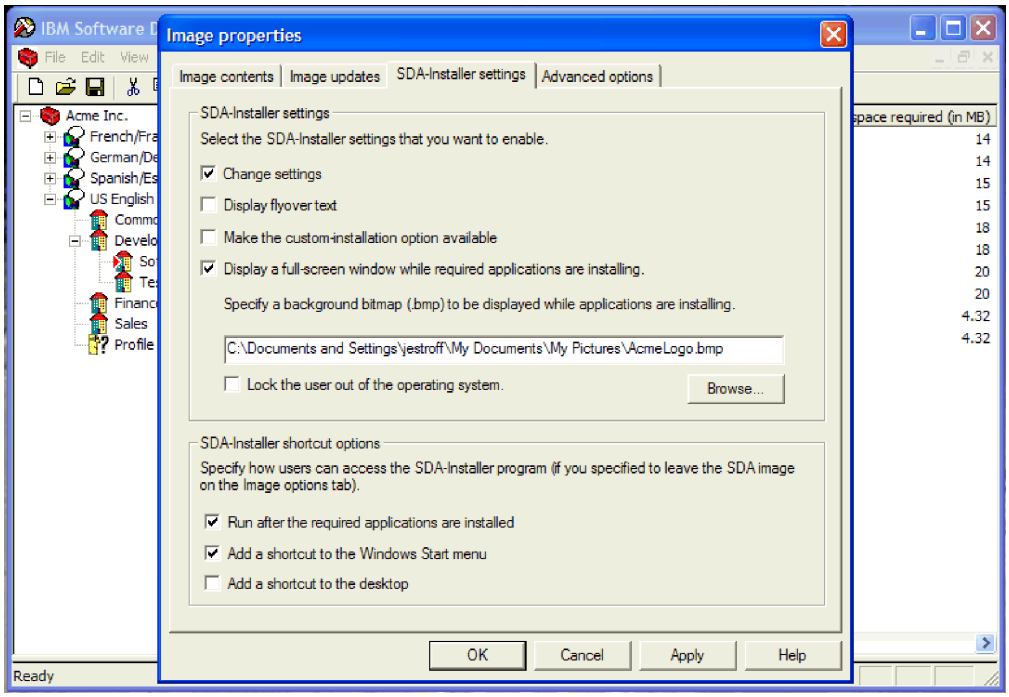
For each installed application, the SDA-Installer compares the version number of the application on the local hard disk with the version number of the application on the updated SDA image to determine which version is installed. If the version on the updated SDA image is a more recent version, the user will be prompted to verify that the newer version should be installed. For example, version 2.01 is more recent than version 1.02.

The version number for each application is specified on the **Properties** tab for the application. Version numbers must be in the form of a numeric value, such as 1.0, 1.01, or 4.62.

In addition, the version check is performed on an application only if the SDA-Installer finds an application in the updated SDA image with the exact same name, group, language, and operating system.

SDA-Installer settings: Use these settings to enable or disable functions in the SDA-Installer program. You must specify the SDA image that is to be left on the

user's hard disk for these settings to be relevant. (To specify what you want to happen to the SDA image, click **Image → Properties** and click the **Image contents** tab.)



Change settings

Click this option to change settings (SDA image location, language, flyover text, and display of the **Custom installation** check box) in the optional-installation portion of the SDA-Installer.

Display flyover text

Click this option to display a description of each application when the user positions the cursor over the application name.

If you click the **Change settings** option, the user can change the setting in the SDA-Installer window to control the way the description is displayed. (To create flyover text for an application, click the **Properties** tab in the "Insert application" window.)

Make the custom-installation option available

Click this option to make the custom-installation option available to users.

If you click this option, a **Custom installation** check box is displayed with each application for which a custom installation command file has been specified. If you click the **Change settings** option, this option sets the default and the user can change the setting in the SDA-Installer window to show or hide the **Custom installation** check box.

Display a full-screen window while required applications are installing

Click this option to display a full screen bitmap in the background to discourage users from accessing the Windows desktop while applications are installing.

Specify a background bitmap (.bmp) to be displayed while applications are installing

Type a fully qualified path to a bitmap file to display in the background. If none is specified, the default desktop color will be used.

Lock user out of the operating system

This completely locks the user out of Windows and hides all install windows while applications are installing.

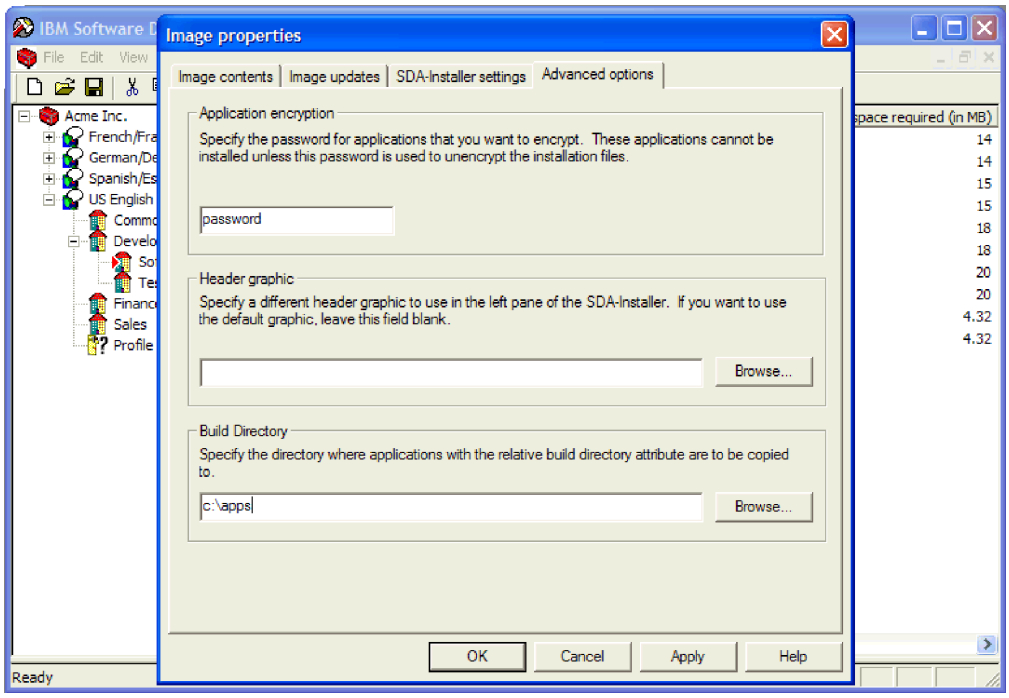
Attention: If any application requires intervention, this option should NOT be used because the user will be locked out of the system and a hang condition will occur.

SDA-Installer shortcut options

If you choose to leave the SDA-Installer program on the user's hard disk, you can select one or more of the following options:

- Run after required applications are installed
- Add a shortcut to the Windows Start menu
- Add a shortcut to the desktop

Advanced options: Use these setting to specify application encryption, header graphic, and build directory properties.



Application encryption

You can provide a password to be used for applications that you choose to encrypt (applications with the **Encrypt the installation files** check box selected). These encrypted applications cannot be installed unless this password is used to unencrypt the installation files.

Header graphic

Use this field to change the graphic at the top of the left pane of the SDA-Installer window. In the **Header graphic** field, browse to the graphic file. This file must be a transparent .GIF image and not more than 140 x 140 pixels.

The field in this tab is applicable only if you leave the SDA image on the user's hard disk after the auto-installation. (To specify what you want to happen to the SDA image after the auto-installation, click **Image → Properties** and click the **Image contents** tab.)

Build directory

Use this field to specify a fully qualified path where application source is copied to for applications that have a custom relative build value specified. For example, if this field was set to C:\SDA\APPS and the Norton Antivirus application had a relative build directory set to NORTON\1.0, then the resulting directory where the install source is copied to during a build would be C:\SDA\APPS\NORTON\1.0\<setup files>.

Translation

You can translate the group names and user-profile field names into other languages. The SDA-Administrator extracts these text items into files (.INI) that you can send to be translated.

Send

You can extract the text from the SDA image file and save it to a directory on your hard disk.

Receive

After you have translated the text, the SDA-Administrator integrates (receives) them back into the workspace.

Window

These options are similar to the window options in many Microsoft Windows applications:

Cascade
Arrange the windows so that they overlap.

Tile Arrange the windows as non-overlapping tiles either vertically or horizontally.

Starting the SDA-Installer on the user's computer

You can use any of the following ways to run the SDA-Installer on a user's computer after you deploy the image. SDA-Installer runs after the computer is restarted.

Create an entry in the RunOnce registry key

To run SDA-Installer automatically when the computer is started, add SDA-Installer to the RunOnce registry key. You can use .REG files like the following examples to add the appropriate registry key:

- For Windows 95, Windows 98, Windows NT 4.0, and Millennium Edition:

```
REGEDIT4
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\
CurrentVersion\RunOnce]
"Run SDA-Installer"="d:\sdaimage\SWSELECT.EXE
```

- For Windows 2000:

```
Windows Registry Editor Version 5.00
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\
CurrentVersion\RunOnce]
"Run SDA-Installer"="d:\sdaimage\SWSELECT.EXE"
```

In these examples, *d:\sdaimage* is the drive and directory where the SDA image is located.

Create a shortcut in the Startup folder

You can run the SDA-Installer automatically the first time the computer is started if you create a shortcut in the Startup folder. In the Startup folder on the user's computer, create a shortcut to a batch file or program that starts the SDA-Installer and then deletes the shortcut from the folder.

Allow the user to run SDA-Installer

You can allow the user to run the SDA-Installer on demand. Create a shortcut to the SDA-Installer on the Windows desktop or in the Start menu.

Running the SDA-Installer with Windows NT

The installation processes for many applications include updating Microsoft Windows resources, such as the registry and system directories; therefore, the user account on a user's computer must have administrator privileges to enable applications to be installed on the computer through the SDA-Installer. If you do not want the user account to have administrator privileges, you must use an alternative method of providing the necessary access privileges to the SDA-Installer.

The Windows NT Zero Administration Kit (ZAK) contains scripts and batch files that Windows NT can use to call other programs to apply registry changes and start programs such as the SDA-Installer.

See the Microsoft Web site (www.microsoft.com) for more information about ZAK and how to integrate programs to run automatically at the end of Windows NT Setup.

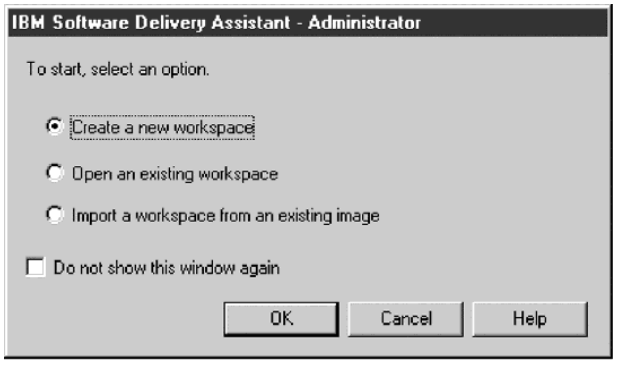
Tasks

The following procedures demonstrate how to use the Software Delivery Assistant.

Creating a new workspace

To create a new workspace, complete the following steps:

1. From the Software Delivery Assistant – Administrator window, click **Create a new workspace**, and click **OK**.



If the Software Delivery Assistant – Administrator window is hidden, click **File → New**. The workspace-creation wizard assists you in setting up the new SDA workspace.

2. Type the name of the new workspace, and click **Next**.
3. Select the languages that you want the SDA image to support, and click **Next**.
4. Click the **Add** button to compile the groups that you want the SDA image to support, and click **Next**.

   For more information on Specifying groups, see page 24.
5. Click the **Add** button to compile the user-profile fields that you want users to complete the first time they use the SDA-Installer, and click **Finish**.

You can now edit the workspace and add applications to each group.

Specifying groups

To add a group, complete the following steps:

1. Click the language that you want to add to the group.
2. Click **Insert → Group**, or right-click the language and click **Insert group**.
3. Type the name of the group, and press Enter.

   Repeat this step for each group.
4. When you have listed all the groups that you want, click **Next**.

To delete a group from the list, click the group, and click **Remove**. To change the name of a group in the list, click the group and click **Edit**. Type the new name and press Enter.

Specifying user-profile fields

To add a user-profile field, complete the following steps:

1. Click the group from the language into which you want to add a user-profile field.
2. Click **Insert → Profile field**, or right-click and click **Insert profile field**.

   The "User profile" window opens.
3. In the **Name** field, type the name of the user-profile field that you want to add.
4. In the **Size** field, type the maximum number of characters that the field can accommodate.

   The system truncates entries that exceed the specified size.
5. If you want to require the user to complete the field, select the **Required field** check box.

   If you do not want to limit the valid entries for the field, click **OK** and go to step 8.

   If you want to restrict user input to a list of valid entries, click **Add** to create a list of valid entries for the user.
6. Type an entry in the **Valid set** window, and press Enter.

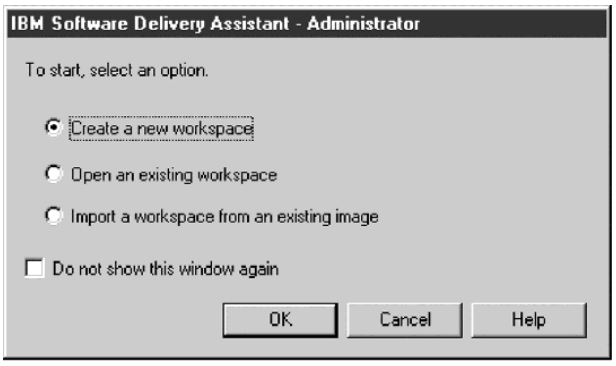
   For each additional entry, click **Add**, type the entry, and press Enter. When you have listed all the entries that you want, click **OK**.
7. To delete an entry from the list, click the entry and click **Remove**. To change an entry, click the entry, and click **Edit**. Then type the new entry and press Enter.
8. For each additional user-profile field, repeat steps 1 through 6.

You can now edit the workspace and add applications to each group.

Opening an existing workspace

To open an existing workspace, complete the following steps:

1. If you are starting SDA, click **Open an existing workspace** from the Software Delivery Assistant – Administrator window and click **OK**.



   If the

   Software Delivery Assistant – Administrator is not open, click **File → Open**.
2. Browse to the workspace file (.SSW) that you want to open.
3. Double-click the file, or click the file and click **Open**.

Importing a workspace from an existing SDA image

To import a workspace from an existing SDA image, complete the following steps:

1. From the Software Delivery Assistant – Administrator window, click **Import a workspace from an existing image** and click **OK**.

   If the Software Delivery Assistant – Administrator window is not open, click **File → Import**.
2. Type the descriptive name (not the file name) of the workspace that you want to create from the workspace that you are importing.
3. Type or browse to the drive and directory where the SDA image is located (where the SWSELECT.EXE file and the DATA subdirectory are located), and click **OK**.

Adding languages to a workspace

To add languages to the active workspace, complete the following steps:

1. In the left pane of the SDA-Administrator window, click the workspace name.
2. Click **Insert**.
3. Click **Language**. The “Insert language” window opens.
4. Select each language that you want to add to the workspace, and click **OK**.

   Each language contains the Common group and a set of user-profile fields.

Adding groups to a language

To add a group to a language in the active workspace, complete the following steps:

1. In the left pane of the SDA-Administrator window, click the language to which you want to add a group.
2. Click **Insert → Group**. The “Insert group” window opens.
3. Type the name of the new group and click **OK**.

Adding subgroups to a group

To add a subgroup to a group, complete the following steps:

1. In the left pane of the SDA-Administrator window, click the group to which you want to add a subgroup.
2. Click **Insert → Subgroup**. The "Insert subgroup" window opens.
3. Type the name of the new group and click **OK**.

Adding applications to a group or subgroup

To add an application to a group or a subgroup in the active workspace, complete the following steps:

1. In the left pane of the SDA-Administrator window, within the applicable language, select the group to which you want to add an application.
2. Click **Insert → Application**. The "Insert application" window opens.
3. Specify the necessary information about the application in each of the tabs in the "Insert application" window.

   For more information on the "Insert application" window, see "Application insertion properties" on page 10.
4. When you are finished specifying the necessary information on each tab, click **OK**.

Adding user-profile fields

To add a user-profile field, complete the following steps:

1. In the left pane of the "SDA-Administrator" window, under the language for which you want to add a user-profile field, click **Profile**. The current user-profile fields are displayed in the right pane of the "SDA-Administrator" window.
2. Click **Insert → Profile**. The "User profile" window opens.

   You can also right-click **Profile** and click **Insert profile field**.
3. In the **Name** field, type the name of the user-profile field that you want to add.
4. In the **Size** field, type the maximum number of characters that the field accommodates. SDA truncates entries that are too long.
5. If you do not want to limit the valid entries for the field, click **OK** to add the new user-profile field and go to step 8.

   If you want to limit the valid entries for the field, select the **Required field** check box if you want to require the user to complete the field.
6. To create a list of valid entries, click the **Add** button.
7. Type an entry in the **Valid set** window and press Enter. Repeat steps 6 and 7 for each additional entry.

   To delete an entry from the list, click the entry and click **Remove**. To change an entry, click the entry and click **Edit**. Then type the new entry and press Enter.
8. When you have listed all the entries, click **OK**.

Automating group selection

At a minimum, you must have a group user-profile field in the SDA image so that a user can indicate which suite of applications is to be installed. If you prefer, you can enable the SDA-Installer to bypass the user-profile fields and automatically determine the user's group, preventing the user from selecting the wrong group.

There are two ways to do this: you can create either a 32-bit program or a registry key.

Creating a 32-bit program

1. Create a 32-bit program file, called C:\SDAPROF.INI, on the user's hard disk. The file must contain the following text:

   ```
   Group=groupname
   ```

   where *groupname* is the name of the user's group.
2. Run the SDA-Installer program, which runs the GROUPCHK program and creates the registry key and entry.

Adding an entry to the registry key

1. Create a 32-bit program, called GROUPCHK.EXE, that determines the user's group, creates a registry key, HKEY_CURRENT_USER \SOFTWARE\IBM\SS, and creates the following entry in the registry key:

   ```
   Group   "groupname"
   ```

   where *groupname* is the name of the user's group.
2. On the user's hard disk, put the program file in the root directory that contains the SWSELECT.EXE file and the DATA subdirectory for the SDA image.
3. Run the SDA-Installer program, which runs the GROUPCHK program and creates the registry key and entry.

Creating a preview SDA image

To create a preview SDA image from the active workspace, complete the following steps:

1. Click **Image → Preview**.
2. From the Language menu, click the language that you want to preview.
3. From the "Operating system" menu, click the operating system that you want to preview, and click **OK**.

   The SDA-Administrator builds the preview SDA image and starts the SDA-Installer.
4. In the SDA-Installer, complete the user-profile fields, and click **OK**.

   The SDA-Installer simulates installation of the applications in the Common group and the group that you selected in the user profile.

Creating a new SDA image from an existing SDA image

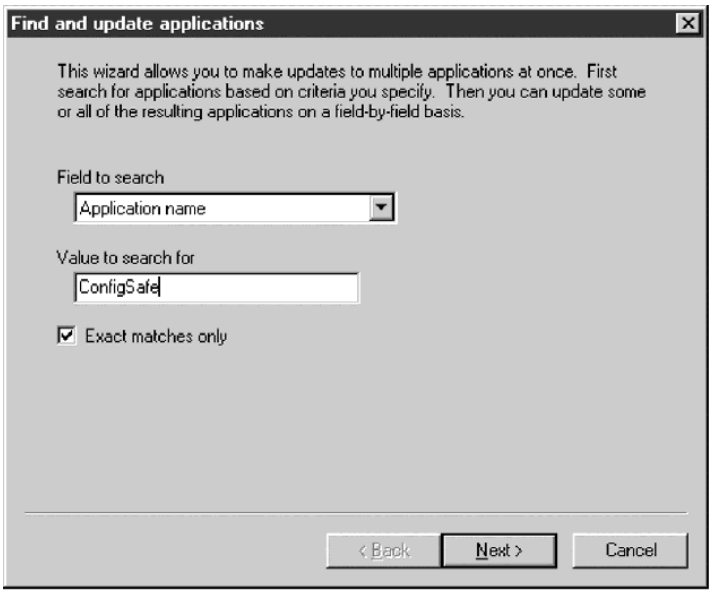
To create a new SDA image from an existing SDA image, complete the following steps:

1. Click **File → Import** to import a workspace from the existing SDA image.
2. Type the name for the new SDA image in the **New workspace name** field.
3. Type the drive and directory in the **Image location** field. You can also click the **Browse** button and manually navigate to the directory.
4. Click **OK**.

Updating multiple applications

To update multiple applications, complete the following steps.

1. Click **Find → Update**. The “Find and update application” window opens.



2. Click the field type to search.

   The search field you select affects the value on which the engine searches. In some search fields, you can perform an exact search by selecting the **Exact match only** check box.
3. Enter the text you want to search for in the **Value to search for** field.
4. Click the **Next** button.

   The “Find and update applications” window displays the search results in the Results window.
5. Click the search result that you want to update.
6. Select the type of update you are making in the “Field to be updated” menu.
7. Enter or click the updated information in the **New Value** field. What you selected in the Field to be updated menu determines your entry.
8. Click the **Update Selection** button to update only the applications that are selected, or click the **Update All Results** button to update all applications in the results list.
9. Click **Finish** to complete the updates.

Disabling the optional-installation portion of the SDA-Installer

To delete the SDA-Installer image from the user’s hard disk, which disables the optional-installation portion of the SDA-Installer, complete the following steps:

1. Click **Image → Properties**.

   The “Image properties” window opens.
2. Click the **Image contents** tab.
3. Click **Remove SDA-Installer from the user’s hard disk** and click **OK**.

For more information about SDA image management, see “Properties” on page 17.

Extracting text for translation

To extract the text from the active workspace, complete the following steps:

1. Click **Translation → Send**.

   The Send window opens.

2. Type the drive and directory where you want to store the files and click **OK**. You can also navigate to this location by clicking the **Browse** button.

   The information panel displays the results of the text extraction.

Integrating translated text

To integrate the translated text into the active workspace, complete the following steps:

1. Click **Translation → Receive**.

   The Receive window opens.

2. Type the drive and directory where you want to store the files and click **OK**. You can also navigate to this location by clicking the **Browse** button.

   The information panel displays the results of the text extraction.

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Printed in U.S.A.

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