

ISA Dialog Manager

INSTALLATION GUIDE

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This guide explains the system requirements for the ISA Dialog Manager and how to install the IDM on different systems.



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Notation Conventions

DM will be used as a synonym for Dialog Manager.

The notion of UNIX in general comprises all supported UNIX derivatives, otherwise it will be explicitly stated.

< > to be substituted by the corresponding value

color keyword

.bgc attribute

{ } optional (0 or once)

[] optional (0 or n-times)

<A> | either <A> or

Description Mode

All keywords are bold and underlined, e.g.

variable **integer** **function**

Indexing of Attributes

Syntax for indexed attributes:

[]

[I,J] meaning [row, column]

Identifiers

Identifiers have to begin with an uppercase letter or an underline ('_'). The following characters may be uppercase or lowercase letters, digits, or underlines.

Hyphens ('-') are **not** permitted as characters for specifying identifiers.

The maximal length of an identifier is 31 characters.

Description of the permitted identifiers in the Backus-Naur form (BNF)

<identifier> ::= <first character>{<character>}

<first character> ::= _ | <uppercase>

<character> ::= _ | <lowercase> | <uppercase> | <digit>

<digit> ::= 1|2|3|...9|0
<lowercase> ::= a|b|c|...x|y|z
<uppercase> ::= A|B|C|...X|Y|Z

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1 IDM FOR MOTIF & IDM FOR QT

1.1 System Requirements

- » System that meets the minimum requirements of the respective platform. In general, ISA DIALOG MANAGER puts no extra demands beyond these system requirements.
- » 50–300 MB free disk space, depending on the platform and the installed options.
 - » During installation more disk space may be needed.
- » X11 server.
- » Monitor with at least XGA resolution (1024 x 768 pixels).
- » Mouse with 3 physical or logical buttons.
- » Development system with respective desktop, C compiler, libraries and header files.
- » *For the documentation:* current Web browser or a PDF reader.
- » *For installation:* DVD drive; **tar** and **gzip** utilities.
- » *For XML support:* **libxml2** from version 2.7.2 (on HP-UX from version 2.7.3), **libxslt** from version 1.1.24.
- » IDM FOR MOTIF: The MOTIF version stated with the platform.
- » IDM FOR QT: QT 4 from QT 4.6, QT 4.8 is recommended.

The IDM does not install the libraries (MOTIF, QT etc.) mentioned above. You have to do these installations yourself.

1.2 Installation

The ISA DIALOG MANAGER is provided in packed archives, which are encrypted or contain encrypted files. Your licensed options will be installed automatically and decrypt the required files when you use your license key with the included install script.

These archives are needed for installation:

<architecture>.tar.gz	For each supported platform.
doc-de.tar.gz.crypt	German documentation.
doc-en.tar.gz.crypt	English documentation.
IDM.EXAMPLES.tar.gz.crypt	C and dialog examples.
COBDEMO.tar.gz.crypt	COBOL examples.

Extracting the Files

Extract the files with the utilities `tar` and `gzip` under a non-superuser account.

You can create an empty directory first, for example with the commands:

```
mkdir <directory>
cd <directory>
gzip -d < <path_of_<architecture>.tar.gz> | tar xf -
```

Copy the ***.crypt** files into this directory. These files have to be in the directory of the extracted platform.

Installing the Software

Change into the directory of the respective platform, for example:

```
cd sparc.solaris-100.motif-21
```

This directory contains the installation script **install.sh**. As superuser (*root*) type:

```
sh ./install.sh
```

To install the IDM under an account different from *root/bin*, use the options **-uid <username>** or **-gid <groupname>**. These options will be ignored when in installations without root privileges and the installed files get the privileges of the respective user.

The installation script prompts you for your license key. You will find your license key on the sticker inside the DVD cover.

To keep the system tree free from additional software or to install multiple IDM versions concurrently, type as *root*:

```
sh ./install.sh -homedir "/desired_idm_directory"
```

Overview of Installation options

-h	Displays a short help.
-homedir <dir>	Specifies the IDM installation directory (default: /usr).
-nodoc	Documentation will not be installed.
-nosamples	Examples will not be installed.
-serial <license_key>	Specifies the license key to run the installation without interaction.

-y Accepts all inquired license agreements for third-party products or libraries integrated in the IDM (e.g. PCRE) to allow installation without user interaction.

As root Only

-uid <id> User ID for the installed files (default: root).

-gid <id> Group ID for the installed files (default: bin).

-desktop On Linux machines with GNOME desktop and default paths for **.desktop** entries, MIME types and icons, this option can be used to integrate the Editor, Debugger and Help into the start menu and to register IDM-specific file types (MIME types). For starting programs from the application menu, the IDM applications need to be in the standard search path. There is no explicit definition of `IDM_HOMEDIR` necessary for it.

Setting up the Environment

To use the IDM, the search path (PATH) has to be extended and the environment variable `IDM_HOMEDIR` has to be set. All other required environment variables are set with the script **idmenv** depending on `IDM_HOMEDIR` (see examples below).

For csh Users

Add these lines to your `~/.cshrc` file:

```
setenv IDM_HOMEDIR "/directory_you_installed_idm"
set path=($IDM_HOMEDIR/bin $path)
source $IDM_HOMEDIR/lib/IDM/idmenv
```

For sh, ksh and bash Users

Add these lines to your `$HOME/.profile` file:

```
IDM_HOMEDIR="/directory_you_installed_idm"
export IDM_HOMEDIR
PATH= "$IDM_HOMEDIR/bin:$PATH"
export PATH
. $IDM_HOMEDIR/lib/IDM/idmenv.sh
```

2 IDM FOR MICROSOFT WINDOWS

2.1 System Requirements

- » WINDOWS 10 or higher.
 - » The IDM also can run on WINDOWS 7, but newly introduced features may have limitations on these systems.
- » System that meets the minimum requirements of the respective WINDOWS version. In general, ISA DIALOG MANAGER puts no extra demands beyond these system requirements.
- » 200–300 MB free disk space, depending on the installed options.
 - » During installation more disk space may be needed.
- » Monitor with at least XGA resolution (1024 x 768 pixels).
- » MICROSOFT VISUAL STUDIO 2017.
 - » If you use the Express Edition, you need VISUAL STUDIO EXPRESS 2017 FOR WINDOWS DESKTOP.
- » *For the documentation:* current Web browser or a PDF reader.
- » *For installation:* DVD drive.

Please note, that ISA DIALOG MANAGER has to be installed following the instructions of this guide. After installation it cannot be copied or moved to another directory. This can only be done by uninstalling and reinstalling the software.

An installation to a network drive is not intended. The attempt will usually lead to an abort after all files have already been unpacked. After that the unlocking of the files can take place. This can only be done in the last phase of the Windows installation. This phase is executed by the Windows Installer under the "SYSTEM" account and usually has no access to network resources.

IDM applications, like the IDM itself, require the VISUAL C++ REDISTRIBUTABLE PACKAGES FOR VISUAL STUDIO 2017.

2.2 Installation

Insert the ISA DIALOG MANAGER DVD into the DVD drive of your computer. Start the respective setup program:

<IDM_platform_language>.msi

The Welcome Screen of the installation program appears.

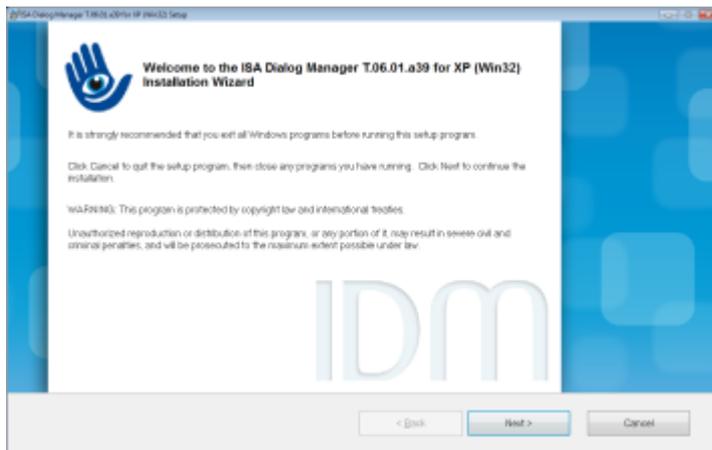


Figure 1: Welcome Screen

Click “Next” in this and the subsequent dialogs to continue with the installation.

When you click “Cancel”, the installation program will be quit without installing ISA DIALOG MANAGER.

In the next dialog, enter your user name, your company and your license key. You will find your license key on the sticker inside the DVD cover.

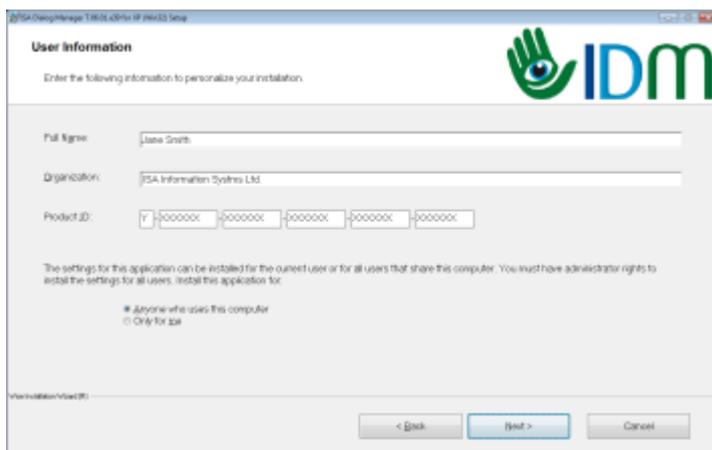


Figure 2: Input User Information

If you have administration privileges, you can choose whether ISA DIALOG MANAGER shall be installed for the current user only or for all users.

Next the dialog for selecting the installation type is shown.

Select “Complete” (recommended) to install ISA DIALOG MANAGER with all licensed options, documentation and examples.

Select “Custom” to specify individually the features that shall be installed.

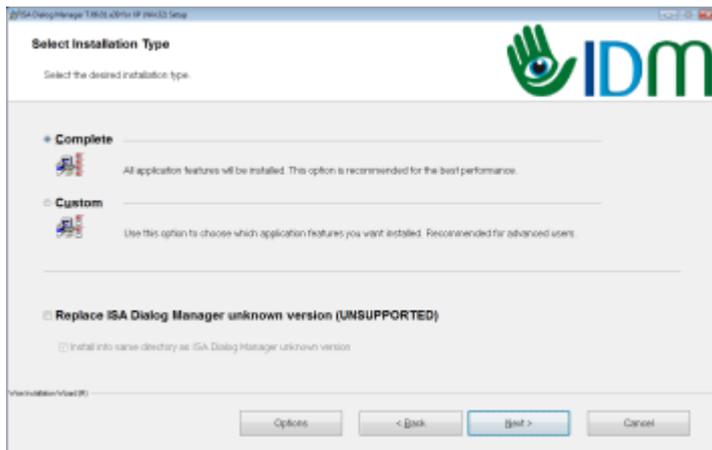


Figure 3: Select Installation Type

Options for an Installed Ancestor Version

If the installation program finds an ancestor version on the system, it displays whether this version can be replaced automatically. You can select then, if it shall be replaced and if the new version shall be installed into the same directory as the ancestor version.

Changing Installation Directory and Start Menu Group

Through the “Options” button, you can alter the installation directory and the start menu group. You will be prompted with a dialog that shows the current settings and offers buttons to browse the directory tree. Installation on a network drive is not provided.

When you have chosen the customized installation, a dialog with checkboxes for all installable features is shown next. Mark the checkboxes of all features that shall be installed. You can change your selection later by running the installation program again.

The actual dialog may differ from the image as only those components are listed and can be selected, which are covered by your license.

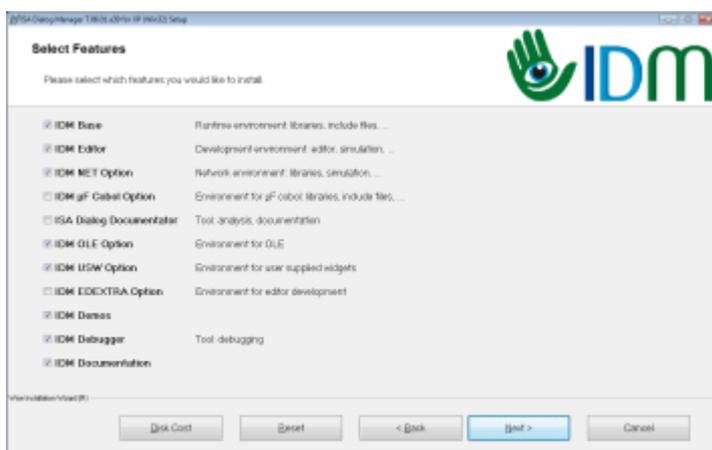


Figure 4: Select Features

With the “Disk Cost” button, the disk space required for installation and the available disk space on the volumes of your computer are displayed.

For both installation types, complete and custom, the settings will be revealed to you once more in the next step.

Press “Next” in this dialog to install ISA DIALOG MANAGER with the displayed settings.

If you want to adjust the settings, you can go to the previous steps using the “Back” button.

In the further course of the installation, the progress and the currently performed operation are shown.



Figure 5: Progress of the installation

After all operations have been completed, the Success Screen notifies you about the end of the installation.



Figure 6: Success Screen

Press “Finish” to close the installation program.