

# Simucad Management Console (SMAN)

User's Manual

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Simucad Management Console (SMAN) User's Manual Copyright 2007

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Style Conventions				
Font Style/Convention	Description	Example		
•	This represents a list of items or terms.	<ul> <li>Bullet A</li> <li>Bullet B</li> <li>Bullet C</li> </ul>		
1. 2. 3.	This represents a set of directions to perform an action.	<ol> <li>To open a door:</li> <li>Unlock the door by inserting the key into keyhole.</li> <li>Turn key counter-clockwise.</li> <li>Pull out the key from the keyhole.</li> <li>Grab the doorknob and turn clockwise and pull.</li> </ol>		
$\rightarrow$	This represents a sequence of menu options and GUI buttons to perform an action.	File→Open		
Courier	This represents the commands, parameters, and variables syntax.	HAPPY BIRTHDAY		
New Century Schoolbook Bold	This represents the menu options and buttons in the GUI.	File		
New Century Schoolbook Italics	This represents the equations.	abc=xyz		
Note:	This represents the additional important information.	Note: Make sure you save often when working on a manual.		
NEW CENTURY SCHOOLBOOK IN SMALL CAPS	This represents the names of the Simucad product names.	EXPERT, GATEWAY, HIPEX, SMARTSPICE, STELLAR, AND UTMOST.		

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## 1.1: What is the Simucad Management Console

The Simucad Management Console (SMAN) is a tool used primarily for diagnostics and to provide support engineers with all the necessary information for fixing a Simucad installation.

SMAN is available on multiple operating systems, including Windows, Solaris, Linux and HP-UX.

SMAN can act as a first line support tool for common setup problems and reference information. The tool has the ability to query but is not limited to such information as memory usage, processor information, machine architecture, communications information, and licensing.

This manual will describe the common uses of the SMAN tool and how to provide a report to Simucad support staff to help them diagnose any problems faced.

# 1.2: The SMAN Window

## 1.2.1: Running SMAN in Windows

To run the latest version of SMAN, double-click the shortcut or select it from the Start Menu. The SMAN Window will appear as shown in Figure 1-1. The SMAN Window has six main areas: Menu Tool Bar, Action Window, Output Window, Status Bar and Copyright Window.

The Action Window is where you choose and perform actions. The Output Window contains output for each of the actions. In some cases, further input is required, which is entered in the Output Window. The Menu and Tool Bar windows simply allow quick access to some of the actions. The Status Bar provides a summary of the current action. The Copyright Window displays the copyright information of the program.



Figure 1-1: The SMAN Window

#### 1.2.2: Running SMAN in UNIX/Linux

To run the latest version of SMAN, run the program from \$SIMUCAD/bin/sman where \$SIMUCAD is the installation directory.

## 2.1: About Screen

The About screen (Figure 2-1) shows the following information about the program, version number, support details and copyright information. To open this screen, select **Help** $\rightarrow$ **About**.



Figure 2-1: About Screen

## 2.2: Documents Screen

The Documents Screen (Figure 2-2) shows you the documents that are installed in the Simucad installation directory. These documents include manuals, release notes and support documents.

🚰 Management Console		
File View Tools Help		
] 🖹 🗳 🗟 😑 🔊 🚺		
🗄 🖓 Management Console		_
		Documents
Houces		All the documents found
	Collections	
	E PDK Documents	
	Products and Applications	
		Management Console 2.8.0 © Simucad 2007 //

Figure 2-2: Documents Screen

The **Documents** output (Figure 2-3) is split into three sections:

- specific product and application documentation
- PDK documentation
- document collections

🕅 Management Console		
File View Tools Help		
12 2 2 2 2 3		
🗄 - 🔐 Management Console	SmartSpice	▲
🕂 📑 Documents	Version 3.3.6.B	
🛅 Collections	<ul> <li><u>SmartSpice/UTMOST III Modeling Manual (Volume 3)</u></li> </ul>	
🖺 PDK Documents	<u>Text Editor Manual</u>	
🖃 📑 Products and Applications	Installation Builde     SmottSpice // TMOST /// Medeling Manual 0 (okime 1)	
庄 - 🖺 Gateway Schematic Ec	docs/verilog_ams.pdf	
🕀 🖺 Generic Text Editor	Main Help File	
🕀 🖺 Harmony	Release Notes	
🕀 🛅 Management Console (	Helease Notes [Helease]     SmootSpring Interface Licer's Guide	
🕀 🖺 MaskViews	SmartSpice User's Manual (Volume 1)	
🕀 🖬 Simucad Model Library	<ul> <li>SmartSpice User's Manual (Volume 1) (Japanese)</li> </ul>	
E SmartSpice	<ul> <li><u>SmartSpice User's Manual (Volume 2)</u></li> </ul>	
ter ≣ SmartView	SmartSpice HF Manual     SmartSpice Heavie Manual 0 (alume 2) (Japanese)	
	SmartSpice User's Manual (Volume 2) (Vapariese)     SmartSpice/UTMOST III Modeling Manual (Volume 2)	
	• Version 3.3.6.A	
🕂 🔚 Sustem	<ul> <li><u>SmartSpice User's Manual (Volume 2) (Japanese)</u></li> </ul>	
	• <u>Main Help File</u>	
	SmartSpice/UTMUST III Modeling Manual [Volume 1]     Pelesse Notes	
	Text Editor Manual	
	<ul> <li>SmartSpice/UTMOST III Modeling Manual (Volume 3)</li> </ul>	
	docs/verilog_ams.pdf	
	SmartSpice HF Manual     SmartSpice Interface Liter's Guide	
	SmartSpice Interface Oser's dulue     SmartSpice User's Manual (Volume 1) (Japanese)	
	SmartSpice/UTMOST III Modeling Manual (Volume 2)	<u> </u>
Shows the documents		Management Console 2.8.0 © Simucad 2007 🏼 🎢

Figure 2-3: Product and Application Documents

Document collections (Figure 2-4) are documents that fall into the same category (e.g., the Celebrity documentation).



Figure 2-4: Document Collections

PDK documents (Figure 2-5) are documents that contain the description and release notes of the PDK collections installed.



Figure 2-5: PDK Documents

## 2.3: Products Screen

The Products screen shows all the installed products in the current Simucad installation and allows you to add and manage new updates received from Simucad. The main Products screen (Figure 2-6) groups the products into their natural collections/packages.



Figure 2-6: Products Screen

The natural groupings of the products in collections/packages are the following groups:

- TCAD
- Analog & Mixed Signal
- Custom IC CAD
- Parasitic Extraction
- Logic Verification

In addition to these groups, there are two more options available:

- Add and Manage Updates
- Utilities/Other

The following sections describe each of these groups.

#### 2.3.1: TCAD Screen

The TCAD screen (Figure 2-7) details all the products that fall into the TCAD package. The TCAD package is defined as "Simucad TCAD tools start with understanding the physics of the basic semiconductor, dielectric, and conducting materials."



#### Figure 2-7: TCAD Screen

The following products are in the TCAD package:

- VWF: The integrated environment for TCAD software.
- ATHENA: Develops and optimize semiconductor-manufacturing processes.
- ATLAS: Simulates the electrical, optical, and thermal behavior of semiconductor devices.
- MERCURY: The MESFET and HEMT simulation framework that contains:
  - FASTBLAZE
  - FASTNOISE
  - FASTDEVEDIT
  - MOCASIM

## 2.3.2: Analog & Mixed Signal Screen

The Analog & Mixed Signal screen (Figure 2-8) details all the products that fall into the Analog & Mixed Signal (AMS) package. The AMS package includes tools that allow you to perform design, simulation and model extraction services.



Figure 2-8: Analog & Mixed Signal Screen

The following products are in the AMS package:

- UTMOST III: This tool performs data acquisition, device characterization, parameter extraction, and model verification.
- UTMOST IV: UTMOST IV Optimization Module provides an easy to use database-driven environment to generate accurate high quality SPICE models and macro-models for analog, mixed-signal, and RF applications.
- TWISTER: Twister Full-Chip Hierarchical Analog Circuit Simulator can run 100M+ transistor circuits, achieving 10X to 100X speedup vs. traditional flat SPICE simulators, without the use of table-lookup models that cause accuracy and convergence problems typical for "fast-SPICE" simulators.
- SPAYN: This is the ideal statistical modeling tool for analyzing variances from model parameter extraction sequences, electrical test routines, and circuit test measurements.
- GATEWAY: Schematic capture tool.
- HARMONY: Analog/Mixed-Signal Simulator.
- SMARTSPICE: Analog Circuit Simulator.
- SMARTSPICE-RF: Harmonic Balance based Simulator.
- SMARTSPICE-SEE: Integrated Single Event Effects Simulator.
- Verilog-A: Verilog-A simulator.

## 2.3.3: Custom IC CAD Screen

The Custom IC CAD screen (Figure 2-9) details all the products that fall into the Custom IC CAD package. This package includes tools that allows you to perform layout and LVS.



Figure 2-9: Custom IC CAD Screen

The following products are in the Custom IC CAD package:

- EXPERT: The Layout Editor
- GUARDIAN DRC/LVS/LPE: The Design Rule Checker, Layout Vs. Schematic and Layout Parameter Extraction tool.

## 2.3.4: Parasitic Extraction Screen

The Parasitic Extraction screen (Figure 2-10) details all the products that fall into the Parasitic Extraction package. This package includes tools that allow you to perform 2D and 3D parasitic extraction, and 2D and 3D field solving.



Figure 2-10: Parasitic Extraction Screen

The following products are in the Parasitic Extraction package:

- EXACT: 3D field solver.
- QUEST: Calculates 3D frequency dependent inductance, resistance, capacitance and capacitive loss for any multi-port network for RF SPICE analysis.
- CLEVER: Physics-Based Parasitic Extractor.
- STELLAR: Standard cell parasitic characterization.
- HIPEX: Full-Chip Parasitic Extractor.

## 2.3.5: Logic Verification Screen

The Logic Verification screen (Figure 2-11) details all the products that fall into the Logic Verification package. This package includes tools that allow you to perform digital simulations and verification of digital simulations.



Figure 2-11: Logic Verification Screen

The following products are in the Logic Verification package:

- SILOS: Verilog Simulator
- TURBOLINT: Programmable HDL Checker
- HYPERFAULT: Mixed Level Fault Simulator

## 2.3.6: Add and Manage Updates Screen

The Add and Manage Updates screen (Figure 2-12) allows you to install and view installed updates that were placed in the Simucad installation directory. For more information on Installing Updates, see Appendix A: "Installing Updates".

🔠 Management Console		
File View Tools Help		
	Update Release         Installs/Shows the updates to the release branch         Update:       Browse         Updates Installed         02390-hipex-3-1-2-C-win.ssu,0.supdate(1.2.0.R),Thu Dec 07 15:05:49 2006         Output         Output         Update Shortcuts	
Installs/Shows updates installed	Management Console 2.8.0 © Simucad 2007 //	

Figure 2-12: Add and Manage Updates Screen

The **Updates Installed** area informs you what updates are currently installed in the Simucad installation directory.

The **Output** area will display the progress of the updates.

#### 2.3.7: Utilities/Other Screen

The Utilties/Other screen (Figure 2-13) details all the Simucad products, including products that do not fall into a specific category and utility programs that other products use.



Figure 2-13: Utilties/Other Screen

## 2.4: System Screen

The System Screen of the SMAN product is used to diagnose any specific problem on the current system and will check whether licensing and communications are available for the current machine.

The System Screen is split up into the following sections:

- System Information
- Communications
- Environment
- Licensing
- Processes

#### 2.4.1: System Information

The System Information screen (Figure 2-14) returns all the important information about the system, such as **Operating System**, **Version**, **Name**, **Processor Information**, **User Information** and **Memory Information**.



Figure 2-14: System Information Screen

#### 2.4.2: Communications Information

The Communications Information screen (Figure 2-15) shows the communications information for Simucad products. It contains the name of the communications server used, whether the server is local, and the currently running Simucad products that are using **Communications** and the **Security file**.

The **Security file** is used to limit what products can be started by another Simucad product a `+' allows full access.

The Communications Information screen also contains the diagnostics of the communications through the Simucad communications library SIPC (Simucad Inter-Process Communications).



Figure 2-15: Communications Screen

## 2.4.3: Environment Information

The Environment Information screen (Figure 2-16) shows all of the environment variables set for Simucad products and all the environment variables set by the system.



Figure 2-16: Environment Screen

## 2.4.4: Licensing Information

The Licensing Information screen (Figure 2-17) shows the licensing environment setup on this machine and informs you the status of the license monitor.



Figure 2-17: Licensing Screen

From the SMAN product, you can also manage the licensing server. On Windows, this is done through the SMAN product itself (see Figure 2-18). On UNIX machines, SMAN asks you to enter the name of the web browser to use to manage SFLM.

The License Management screen (Figure 2-18) shows the Active User(s), Valid Licenses and gives you the ability to Install New License(s). Please see the SFLM USER'S MANUAL for more details on licensing.



Figure 2-18: License Management Screen

#### 2.4.5: Processes Information

The Processes Information screen (Figure 2-19) displays all the processes that are currently running on the machine (on Windows it will also display a list of all the services).



Figure 2-19: Processes Screen

## 2.5: Simucad Model Library Screen

The Simucad Model Library (MODELLIB) Screen (Figure 2-20) allows you to configure each of the model library enabled products. The configuration is divided into three sections the **Default**, **Site** and **User**.

The **Default** configuration contains a list of the default models that are loaded by the model library enabled products. The **Default** configuration, however, cannot be edited or modified in any way. You can override the default models or add custom user models by changing or overriding the default configuration for the entire site or for an individual user.

🚰 Management Console			
File View Tools Help			
	🔊 🧤 🕼		
	ModelLib is a collection of enables the continued us rolled out either site wide the stability and reliability Configure Product: SmartSpice Version: 3.3.6.B Platform: Windows (x	of independent SP se of qualified vers or to individual us of the core simula s/SmartSpice (RF) (86-nt)	Simucad Model Library Displays the models available for products ICE Models that are loaded when a ModelLib based circuit simulator runs. ModelLib ions of core simulators while allowing updates to individual models. New models can be ers. This enables rapid development and updates of SPICE models without effecting tion engine.
	Name	Collection	File
	ADC	1.4.0.R	libADC_1_4_0_R.dll
	ASRC	1.4.0.R	libASRC_1_4_1_R.dll
	ATD	1.4.0.R	libATD_1_4_2_R.dll
	BSIM1	1.4.0.R	libBSIM1_1_4_0_R.dll
	BSIM3	1.4.0.R	libBSIM3_1_4_0_R.dll
, Shows the ModelLib settings			Management Console 2.8.0 © Simucad 2007 //

Figure 2-20: ModelLib Screen

#### 2.5.1: Site Configuration

The **Site** configuration (Figure 2-21) allows you to specify the models that will be applied to all users that run a MODELLIB enabled product from this installation directory. The configuration file is placed in <S\_INSTALL\_ROOT>/var/slconfig where <S\_INSTALL\_ROOT> is the root directory where the product have been installed (i.e., c:\sedatools).

To manage the site configuration, first select the **Site** tab in the screen and then select the product to be configured. The list of model library enabled products is controlled by the **Product** combobox. Once you select the product, the list of available versions to configure will appear in the **Version** combo-box. The list of available platforms to configure will then appear in the **Platform** combo-box. If you installed the products to a platform specific folder, then only the platform available will be shown.

Management Console	
File View Tools Help	
Management Console      Documents      System      System      System      Management      System      Management      Management      Processes	Image: Second
	Copy from Default Save Remove
J Shows the ModelLib settings	Management Console 2.8.0 © Simucad 2007

#### Figure 2-21: Site Configuration

If no **Site** configuration exists, you will be prompted to copy one from the default configuration. The starting configuration can also be regenerated at a later date by pressing the **Copy from Default** button.

Once the **Site** tab contains model libraries, you can either modify or choose to add custom user libraries.

To modify an existing library, change the collection that it is pointing to (each collection refers to a different version of the MODELLIB libraries, which contain the default libraries released by SIMUCAD) or change the model file that it is using. You can only pick model files compatible with the model type (i.e., you cannot choose a BSIM model for a TFT model).

**Note:** Changing the collection is not recommended. You should always choose models from the same collection as the default where possible. Not doing so may cause instability.

Alternatively, you can add, edit or delete a custom user library by pressing the **Add User Library**, **Edit User Library** or **Delete User Library** buttons respectively.

When adding or editing a custom user library, the Model Details dialog (Figure 2-22) will appear.

🚰 Model Det ails		<u>?</u> ×
User Model Details-		
Name: libusr 0	🚔 🛛 ASRC	-
Path:		Browse
	OK	Cancel

Figure 2-22: Custom User Library Details

You can only delete a custom user library. If you press the **Delete User Library** button while selecting a default library, the action will be ignored.

Press the **Save** button once you are happy with the site configuration. This will create a site configuration file in the <S\_INSTALL\_ROOT>/var/slconfig directory, where <S\_INSTALL\_ROOT> is the root directory where the product have been installed (i.e., c:\sedatools).

To reset the site configuration, press the **Remove** button, which will remove the site configuration file and clear the entries in SMAN.

#### 2.5.2: User Configuration

The **User** configuration allows you to specify the models that a specific user will use when running a specific version of a MODELLIB enabled product. The **User** configuration will override both the default and site configurations. The configuration file is placed in <HOME>/slconfig where <HOME> is the user's home directory. On Windows, the home directory is determined by the following:

- 1. Use the environment variable HOME.
- 2. Use the environment variable USERPROFILE.
- 3. Use the path formed by concatenating the HOMEDRIVE and HOMEPATH environment variables.
- 4. Use the environment variable SYSTEMDRIVE.
- 5. Default to  $C: \setminus$

To configure the models for a user, choose the product to be configured. The **Product** combo-box controls the list of model library enabled products. Once you selected the product, the list of available versions to configure will appear in the **Version** combo-box. The list of available platforms to configure will then appear in the **Platform** combo-box. If you installed the products to a platform specific folder, then only the platform available will be shown.

Management Console	
File View Tools Help	
B Management Console     B Documents     S Products     System     System     S Communications     S Fround Communications     S Fround Communications	MODEL MODEL MODEL ModelLib is a collection of independent SPICE Models that are loaded when a ModelLib based circuit simulator runs. ModelLib
	enables the continued use of qualified versions of core simulators while allowing updates to individual models. New models can be rolled out either site wide or to individual users. This enables rapid development and updates of SPICE models without effecting the stability and reliability of the core simulation engine.  Configure  Product: SmartSpice/SmartSpice (RF)  Version: 3.3.6.B  Platform: Windows (x86-nt)  Default Site Liser
	Name         Collection         File           Add User Library         Edit User Library         Delete User Library           Copy from Default         Copy from Site         Save
	Management Console 2.8.0 © Simucad 2007

#### Figure 2-23: User Configuration

If no **User** configuration exists, you will be prompted to copy one from the default configuration or site configuration. The starting configuration can also be regenerated at a later date by pressing the **Copy from Default** or **Copy from Site** buttons.

Once the **User** tab contains model libraries, you can either modify or choose to add custom user libraries.

To modify an existing library, change the collection that it is pointing to (each collection refers to a different version of the MODELLIB libraries which contain the default libraries released by Simucad), or change the model file that it is using. You can only pick model files compatible with the model type (i.e., you cannot choose a BSIM model for a TFT model).

**Note:** Changing the collection is not recommended. You should always choose models from the same collection as the default where possible. Not doing so may cause instability.

Alternatively, you can add, edit or delete a custom user library by pressing the **Add User Library**, **Edit User Library** or **Delete User Library** buttons respectively.

When adding or editing a custom user library, the Model Details dialog (Figure 2-22) will appear.

You can only delete a custom user library. If you press the **Delete User Library** button while selecting a default library, the action will be ignored.

Press the **Save** button once you are happy with the user configuration. This will create a user configuration file in the <HOME>/slconfig directory, where <HOME> is the user's home directory.

To reset the user configuration, press the **Remove** button, which will remove the user configuration file and clear the entries in SMAN.

# 3.1: Generating a Report

This chapter describes the generating of reports in SMAN. To generate a report in SMAN, select **File** $\rightarrow$ **New Report** (Figure 3-1).

<del>گ</del>	1anagement Co	onsole	
File	View Tools He	elp	
	New Report	Ctrl+N	S (
	Open Report	Ctrl+O	
-	Save As	Ctrl+S	
8	Print Report	Ctrl+P	
1	Exit		

Figure 3-1: New Report

Once selected, you can exclude information in the report (see Figure 3-2).



Figure 3-2: Report Filter

Once you press the **OK**, the report will be generated and a summary will appear (Figure 3-3).

	Report ?X
Γ	Report Summary
	Checking Environment Collecting environment variables done Displaying environment variables done
	Checking <b>Licensing</b> Getting Environment done Getting Status done
	Checking <b>Processes</b> done
	Progress
	Save Details Cancel

Figure 3-3: Report Summary

**The Report Summary** will show the progress of the report generation. Once the progress bar stops, you can save, show the details or cancel the report. If you press **Save**, the following dialog will ask you for a name to choose to save the report under (report files end in the extension .rpt).

Choose a filenar	ne to save under				? X
Save in	🖃 Local Disk (D	:)	•	🗢 🗈 💣 🎟 •	
History History Desktop My Documents My Computer	brianb     RECYCLER     System Volume     WUTemp	Information			
	File name:	dattock		<b>~</b>	Save
My Network P	Save as type:	Report Files (*.rpt)		•	Cancel

Figure 3-4: Saving a report

If you press  $\ensuremath{\textbf{Details}}$  , the details of the report will appear (Figure 3-5).

<b>Kepo</b>	<b>FC</b>	
		-
_	Management Console	
OF	Version 2.8.0	
To contact	Simucad Design Automation regarding this product:	-
MAIL:	Simucad Design Automation,	
	Building 1, 4701 Patrick Henry Drive,	
	Santa Clara,	
	CA 95054, USA	
EMAIL:	support@simucad.com	
www:	http://www.simucad.com	
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Jortion of IC,	may result in severe civil and climinal penalties, and will be prosecuted to the maximum extent of the law.	-

Figure 3-5: Report Details

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# A.1: Updating Simucad Products

The following section describes the steps to install updates for Simucad products.

## A.1.1: Step 1: Start the Simucad Management Console (SMAN).

A.1.2: Step 2: Select the Add and Manage Updates button ( 15 ) from the toolbar or from the Tools menu.



A.1.3: Step 3: The Updates Installed window lists all installed baselines and updates.

```
Updates Installed
Baseline 00308-logic-2004-12-win.exe T ue Mar 08 11:11:13 2005
00442-mercury-5-8-1-R-win.ssu,00442,mercury,win,5.8.1.R,0,0.0.3,Mon Apr 25 15:27:16 2005
```

A.1.4: Step 4: Click on the Browse button and select the update (.ssu) or baseline (.exe, .tar.gz, .tgz) file to install.

Choose an updat	e to install				?	×
Look in:	🔁 updates		•	+ 🗈 💣 🔳	-	
History Desktop My Documents My Computer	00590-smartsp 00953-deckbuil	ice-2-15-0-B-win.ssu d-3-18-2-R-win.ssu				
	File name:	00953-deckbuild-3-18-2-R-wir	n.ssu	•	Open	
My Network P	Files of type:	Software Updates (*.ssu)		•	Cancel	

A.1.5: Step 5: Click the Install button.

🚰 Management Console		
File View Tools Help		
<ul> <li>Image: Second se</li></ul>	Update Rel Installs/Shows the updates to the rele Update: [d:\brianb\00953-deckbuild-3:18-2-R-win.ssu Browse Updates Installed 02390-hipex-3:1-2-C-win.ssu,0.supdate(1.2.0.R).Thu Dec 07 15:05:49 2006	e Shortcuts
	Management Console 2.8.0 © 5	imucad 2007 🏼 🎢

A.1.6: Step 6: The update or baseline will be installed and any installation output will be displayed in the Output window.

🚰 Management Console	
File View Tools Help	
] 🖹 📑 🗐 🚍 🤊 🛐	
Anagement Console      Anagement Console      Documents      Show a second	Update       Updates Installs/Shows the updates to the release branch         Update:       D:\brianb\00953-deckbuild-3-18-2-R-win.ssu       Browse       Install         Updates Installed       02390-hipex-3-1-2-C-win.ssu,0,supdate(1.2.0.R),Thu Dec 07 15:05:49       200600953-deckbuild-3-18-2-R-win.ssu,0,supdate(1.2.0.R),Fri Feb 16 11:49:42 2007         Output       *       Operation successful. *       *       *         *       0peration successful. *       *       *       *         Updating shortcuts: finished       •       •       •
	Update Shortcuts
Installs/Shows updates installed	Management Console 2.8.0 © Simucad 2007

A.1.7: Step 7: A copy of all baseline and update files will be placed in the \$Simucad\updates directory (where \$Simucad is the installation directory for Simucad products). This page is intentionally left blank.

## **B.1: Updating Shortcuts**

The following section describes the steps to update the shortcuts and how the Simucad Management Console (SMAN) maintains the shortcuts.

On Linux and Windows, SMAN creates shortcuts to the products that you have installed.

On Windows, SMAN will create a desktop shortcut pointing to the Shortcuts directory (\$S\_INSTALL\_ROOT/Shortcuts). The desktop shortcut will reflect this if the path to this directory is contained on a shared directory or network drive. Also on Windows, the program menu will be created with each version of the products. See Figure B-1.



Figure B-1: Windows Desktop

On Linux, SMAN will create a desktop folder. This will contain the shortcuts of each product. This folder is created under the home directories HOME/Desktop and HOME/.gnome-desktop to take into account the KDE and GNOME desktops. See Figure B-2.



Figure B-2: Linux Desktops (GNOME & KDE)

## **B.2: Managing Shortcuts**

SMAN also manages the shortcuts by making sure that the shortcuts are up-to-date with the installed versions. This check is performed every time SMAN starts. It does this by comparing the date when the shortcuts were last updated and when the last baseline or package was installed. If the dates are different, you will be prompted with the following question (Figure B-3).



Figure B-3: Update Shortcuts

If you answer **Never** to the above question, it means that you will not be prompted until the next package is installed.

You can update the shortcuts manually by typing in the command-line option -shortcuts (i.e., sman -shortcuts) or by clicking the **Update Shortcuts** button on the Add/Manage Shortcuts screen (Figure B-4).

🚰 Management Console	
File View Tools Help	
Amanagement Console     Documents     Solution     S	Update Release         Update:       dthrianb\00953.deckbuild:3:18:2:R-win.ssu         Update:       Browse         Updates       Install         Updates       Installed         02390-hipex:3:1-2:C-win.ssu,0,supdate(1.2:0.R),Thu Dec 07 15:05:49 2006         Output         Update         Uppate         Uppate<
	Management Console 2.8.0 © Simucad 2007

Figure B-4: Add/Manage Shortcuts

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