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1 About this Manual

1.1 Purpose

This document provides information to install the Unscrambler® X Hierarchical Model Development Module (v 1.1) and describes the system requirements.

1.2 Who Should Read This Manual?

This document is intended for users who want to install the software.

1.3 Typographical Conventions

This manual uses the following typographical conventions.

<table>
<thead>
<tr>
<th>Typeface</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Italics</em></td>
<td>References to other guides and documents.</td>
</tr>
<tr>
<td>“Quotes”</td>
<td>Input fields and messages displayed on the screen.</td>
</tr>
<tr>
<td><strong>Bold</strong></td>
<td>Menus, menu options, buttons and screen names.</td>
</tr>
<tr>
<td><strong>CAPS</strong></td>
<td>Keys on the Keyboard.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>An important message, not to be ignored.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>A note, providing additional information about a certain topic.</td>
</tr>
</tbody>
</table>
2 About Hierarchical Modeling

This section covers the following topics:

- Introduction
- Prerequisites
- The Unscrambler® X Support
2.1 Introduction

Hierarchical Modeling (HM) as defined in The Unscrambler® X refers to a pre-defined sequence of logical steps, incorporating multivariate classification and prediction models to arrive at a unique conclusion. Hierarchical modeling is targeted primarily towards industrial applications that require smart systems for performing pre-defined sequences of multivariate models. Applications include pharmaceutical/biopharmaceutical, petrochemical and other applications that may require either the resolution of ambiguities in classification problems (particularly in raw material identification and qualification), to the application of the right predictive model to a classified sample.

2.2 Prerequisites

The prerequisites for installing the Unscrambler® X Hierarchical Model Development Module are as follows:

- The Unscrambler® X Hierarchical Model Development Module v 1.1 installer archive, containing the installation files.
- Prior to the installation of the users are requested to install The Unscrambler® X v10.3.
- The Microsoft Visual C++ Redistributable Package 2008 is also required. The installer will check if this package is installed on your system, and you will be prompted to install it automatically if it is missing.

2.3 The Unscrambler® X Support

You may want to explore these other sources of support for The Unscrambler® X:

- Learning Multivariate Data Analysis (MVA)
- Benefits to the use of MVA
- Web Workshops & Training Programs
- Suggested Reading
- Ask our Experts
3 Installation procedure

The installation procedures for the 32-bit and 64-bit versions of the Unscrambler® X Hierarchical Model Development Module are similar. Follow the instructions below, which describe a 32-bit installation, to install.

1. Extract the contents of the installer archive into a temporary folder. Open the HM Plugin 1.1 folder from this directory. The files \texttt{setup.exe}, Unscrambler® X Hierarchical Model Development Module Installation Manual.pdf, UnscXHMPlugin.msi, and vcredist_x86.exe are displayed as shown below.

![Figure 1: Contents of the HM Plugin 1.1 Installation Folder](image)

2. Double click \texttt{UnscXHMPlugin.msi} to start the installation.

\begin{quote}
\textbf{Note:}

Privileged users can install the software directly by using \texttt{UnscXHMPlugin.msi} or \texttt{setup.exe}.

Non privileged users can install the software by using \texttt{setup.exe}. This executable can be run with elevated privileges.
\end{quote}
3. The **Unscrambler® X Hierarchical Model Development Module** requires the **Microsoft Visual C++ Redistributable Package 2008**. If this package is pre-installed on your system, you may proceed to point 6. If the below dialog is displayed, click **Yes** to proceed with the package installation.

![Figure 2: Prompt for VC++ 2008 Redistributable Package](image)

4. Depending on the operating system and Windows security settings, the following **User Account Control** dialog box may be displayed. Click **Yes** to proceed with the installation.

![Figure 3: UAC for Installing VC++](image)

5. The process for extracting files is displayed as shown below.
6. Wait while the Windows installer wizard prepares for the installation of Unscrambler® X Hierarchical Model Development Module.

7. Once the installer loading is completed, the Unscrambler® X (10.3) Hierarchical Model Development Module (v 1.1) License Agreement (EULA) is displayed as shown below. Please read the EULA thoroughly, and check the box I accept the terms in the License Agreement to proceed. A Print button is available if you want to print a copy of the EULA for your records.
8. Click **Install** which will be enabled once you accept the terms. Depending on the operating system and Windows security settings, the following **User Account Control** dialog box may be displayed. Click **Yes** to proceed with the installation.
9. During the installation process the following dialog will be displayed. The installation will be aborted if you click **Cancel**.

![Installation Progress Dialog](image)

**Figure 8: Installation Progress Dialog**

10. The following dialog box will be displayed when the installation is successfully completed. Click **Finish** to close the dialog box.
Figure 9: Installation Completed Dialog

Completed the Hierarchical Model Development Module (v1.1) Setup Wizard

Click the Finish button to exit the Setup Wizard.
4 Activation procedure

This section explains how to access and activate the Unscrambler® X Hierarchical Model Development Module for the first time. The module can be activated both online and offline, as described in the following sections.

4.1 First time accessing the program

1. On the Start menu, point the mouse on All Programs.
2. Point the mouse on The Unscrambler X 10.3 folder icon and click The Unscrambler X 10.3 from the displayed sub menu.

![Image of the Unscrambler X 10.3 folder]

Figure 10: Locate the Unscrambler® X 10.3

Note:
The Unscrambler X 10.3 might alternatively be accessed from a desktop shortcut or, in recent versions of Windows, from a pinned start menu or shortcut.

3. The Unscrambler® X 10.3 opens with a new project.
4. On the tool bar, click Tasks → Hierarchical Modeling as shown below.

![Image of the task bar with Hierarchical Modeling menu]

Figure 11: Hierarchical Modeling Menu

5. In recent Windows versions and depending on security settings the following window might be displayed. Click Yes to proceed with the activation.
6. The **Hierarchical Modeling Activation** box is displayed as shown below, with the fields described in the following table.

![Hierarchical Modeling Activation](image)

**Figure 13: Hierarchical Modeling Activation**
Table 2: Hierarchical Modeling Activation

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine ID</td>
<td>This is a unique ID for your computer that is generated automatically.</td>
</tr>
<tr>
<td>Activation Key</td>
<td>This is a unique license key provided by CAMO Software. The key will be sent to you when you click Obtain. For further information, refer to section 4.2 Online Activation or section 4.3 Offline Activation.</td>
</tr>
<tr>
<td>Name</td>
<td>Enter your name.</td>
</tr>
<tr>
<td>Company</td>
<td>Enter the company name.</td>
</tr>
<tr>
<td>Obtain</td>
<td>Click Obtain to have the activation key sent to your registered e-mail address. For further information, refer to section 4.1: Online Activation or section 4.3 Offline Activation.</td>
</tr>
<tr>
<td>Activate</td>
<td>This button is enabled only when the activation key is entered in the Activation Key field. Click Activate once Activation Key is entered.</td>
</tr>
<tr>
<td>Cancel</td>
<td>This button is used to cancel the activation procedure.</td>
</tr>
</tbody>
</table>

7. Enter the appropriate fields, and then click Activate. If your activation is valid a confirmation message is displayed as shown below.

![Congratulations!](image1.png)

**Figure 14: Valid activation dialog**

8. Click OK to start using the Unscrambler® X Hierarchical Model Development Module.
4.2 Online Activation

Follow the below steps for online activation.

1. Click the **Obtain** button in the activation dialog (see *Figure 13: Hierarchical Modeling Activation*). The Product Activation page on CAMO’s website will be displayed in your browser.

![Figure 15: Product Activation Webpage](image)

2. Enter the registered e-mail address in the **Email**, and click **Activate**. The activation key is sent by CAMO to the specified e-mail address.

3. Copy the activation key from the e-mail and paste it in the **Activation Key** box (see *Figure 13: Hierarchical Modeling Activation*). Then click **Activate**.

**Note:**
Ensure that the e-mail address entered is the same as the e-mail address provided at the time of registration.

4. If the e-mail address is not registered in CAMO’s license manager, a message is displayed on the webpage enabling the user to register, as shown below.
5. Click the **Kindly Register** link. The following webpage is displayed.

![Figure 16: Product Activation – Kindly Register](image)

6. Enter the appropriate details, and click **Continue**. A message **Thank you for Registration** is displayed on the webpage.

7. Login to the specified e-mail account and open the activation e-mail from CAMO. Copy and paste the key into the **Activation Key** field of the activation window (see *Figure 13: Hierarchical Modeling Activation*).
4.3 Offline Activation

If for some reason the automatic activation procedure as described in the previous section does not work, contact your local sales office directly by phone or e-mail. Provide the **Machine ID** (as displayed in *Figure 13: Hierarchical Modeling Activation*) and your contact details in order for CAMO to provide you with an appropriate activation key.

4.3.1 Contact information

The contact details of your local CAMO office are mentioned below.

**Europe, South & Central America Mexico & South Africa**
CAMO Software AS.
Nedre Vollgate 8, N-0158, Oslo, NORWAY
Tel: (+47) 223 963 00
Fax: (+47) 223 963 22

**India, Africa, Mid-East, Asia excluding Japan & Oceania**
CAMO Software India Pvt. Ltd.
14 & 15, Krishna Reddy Colony, Domlur Layout, Bangalore - 560 071, INDIA
Tel: (+91) 80 4125 4242
Fax: (+91) 80 4125 4181

**Japan**
CAMO Software Japan Co. Ltd
Shibuya 3-chome Square Bldg. 2F, 3-5-16 Shibuya Shibuya-ku
Tokyo, 150-0002, JAPAN
Tel: (+81) 3 6868 7669
Fax: (+81) 3 6730 9539
IP Phone: (+81) 50 5532 9450

**USA & Canada**
CAMO Software Inc.
One Woodbridge Center, Suite 319, Woodbridge, NJ 07095, USA
Tel: (+1) 732 726 9200
Fax: (+1) 973 556 1229

**Australia and New Zealand**
CAMO Software
PO Box 97, St Peters, NSW, 2044, AUSTRALIA
Tel: (+61) 4 0888 2007
4.3.2 CAMO Sales Office

To locate the CAMO sales office, go to http://www.camo.com/contact-us.html. Under Find the sales office for your country select your country in the drop down box. The contact name of the responsible sales representative and the location details will be displayed.

You may also fill in the contact form at http://www.camo.com/contact-form.html in order for your local sales representative to call you on the phone.