

Client Login Extension for Novell Identity Manager 3.5

1

The Client Login Extension for Novell® Identity Manager 3.5 facilitates password self-service by adding a link to the Novell and Microsoft* GINA login clients. When users click the *Forgot Password* link in their login client, the Client Login Extension launches a restricted browser to access the Identity Manager User Application Password Self-Service feature. This feature assists in reducing help desk calls from people who forgot their passwords.

Running the Client Login Extension Configuration utility for Novell Identity Manager 3.5 configures the Client Login Extension MSI file, which you then install on client workstations running the Novell Client™ software or the Microsoft GINA. The Client Login Extension works on Windows* XP and Windows 2000 workstations.

The Client Login Extension MSI files come in a number of different languages. You must configure the Client Login Extension file for each language, including English, before it can be used.

The Client Login Extension Configuration utility allows the system administrator to specify the following configuration information for the Client Login Extension MSI file:

- ♦ You can set the URL for password self services.
- ♦ For the Microsoft GINA client, you can include text (such as “Forgotten Password”) for the link to the password self-services.

NOTE: The Client Login Extension for Novell Identity Manager 3.5 works with the native Microsoft GINA and the Novell Client 4.91 SP3 or later. It does not work with any application that alters the Microsoft GINA, except the Novell Client 4.91 SP3 or later. The Client Login Extension has been tested, and is to be used, on licensed Novell Identity Manager 3.5 systems.

The following instructions step you through installing and using the Client Login Extension Configuration utility to configure the Client Login Extension MSI files. Instructions for using the Client Login Extension MSI files are also included.

- ♦ [Section 1.1, “Preparing to Run the Client Login Extension for Novell Identity Manager 3.5,” on page 2](#)
- ♦ [Section 1.2, “Installing the Client Login Extension Configuration Utility for Novell Identity Manager 3.5,” on page 2](#)
- ♦ [Section 1.3, “Using the Client Login Extension Configuration Utility to Configure the Client Login Extension MSI Files,” on page 7](#)
- ♦ [Section 1.4, “Installing the Client Login Extension MSI File,” on page 11](#)
- ♦ [Section 1.5, “Using the Forgotten Password Feature,” on page 13](#)

1.1 Preparing to Run the Client Login Extension for Novell Identity Manager 3.5

Before running the Client Login Extension, you must have a working Identity Manager 3.5 system and have the User Application configured correctly to enable the Password Self-Service feature. (For information on installing Identity Manager 3.5 and the User Application, see the *Identity Manager 3.5 Installation Guide*.)

In order to have the Password Self-Service feature enabled, you need to perform at least the following:

- ♦ Enable Universal Password
- ♦ Create a password policy or select an existing password policy
- ♦ Enable and configure the Forgotten Password option
- ♦ Assign the password policy to the appropriate users, groups, or container
- ♦ Enable SSL

You initially set up the Password Self-Service feature through iManager by using the *Passwords > Password Policies > Forgotten Password* and *Policy Assignment* options. For more information on the Password Self-Service feature, see Chapter 3, “Managing Passwords by Using Password Policies” and Chapter 4, “Password Self-Service” of the *Novell Password Management Administration Guide* (http://www.novell.com/documentation/password_management31/index.html).

Use the Identity Manager User Application to complete the password configuration. For information about configuring Password Self-Service through the Identity Manager User Application, see Chapter 5.3, “Password Management Configuration” in the *Identity Manager 3.5 User Application: Administration Guide* (<http://www.novell.com/documentation/idm35/index.html>).

You also need to turn on SSL in JBoss*. See Chapter 2.2.2, “Self-Signed Certificates,” and 2.2.3, “Turning on SSL in JBoss” in the *Identity Manager 3.5 User Application: Administration Guide* (<http://www.novell.com/documentation/idm35/index.html>). The Client Login Extension does not work without SSL.

With the Forgotten Password feature enabled and the password policy assigned, you now have a valid HTML link for the restricted browser to use. This link needs to be configured for HTTPS, such as `https://hostname:8443/IDM/jsp/pwdmgt/ForgotPassword.jsf`. Use this URL when running the Client Login Extension Configuration utility.

1.2 Installing the Client Login Extension Configuration Utility for Novell Identity Manager 3.5

You need to download the `idmcle.exe` file from the *Novell Downloads page* (<http://download.novell.com/index.jsp>). Under Product or Technology, select *Identity Manager* and click *search*, or type *Client Login Extension* under Keyword and click *search*. Select *Client Login Extension for Novell Identity Manager 3.5* to download, then follow the steps to download the `idmcle.exe` file.

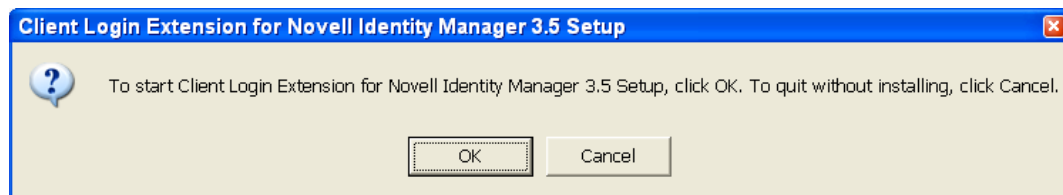
After the file is downloaded, double-click the `idmcle.exe` file to install the files for the Client Login Extension Configuration utility and the Client Login Extension MSI files. The process also installs the .NET platform if it is not already installed.

The `idmcle.exe` file creates an `idmcle` folder containing the following files:

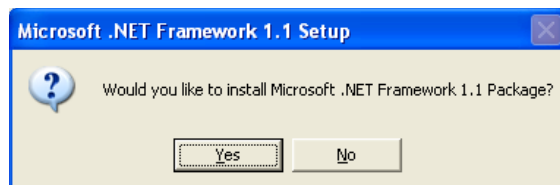
- ♦ `ClientLoginExtensionConfigurationUtilitySetup.msi`
- ♦ `Config.ini`
- ♦ `dotnetfx.exe`
- ♦ `Settings.ini`
- ♦ `Setup.exe`

To install the Client Login Extension:

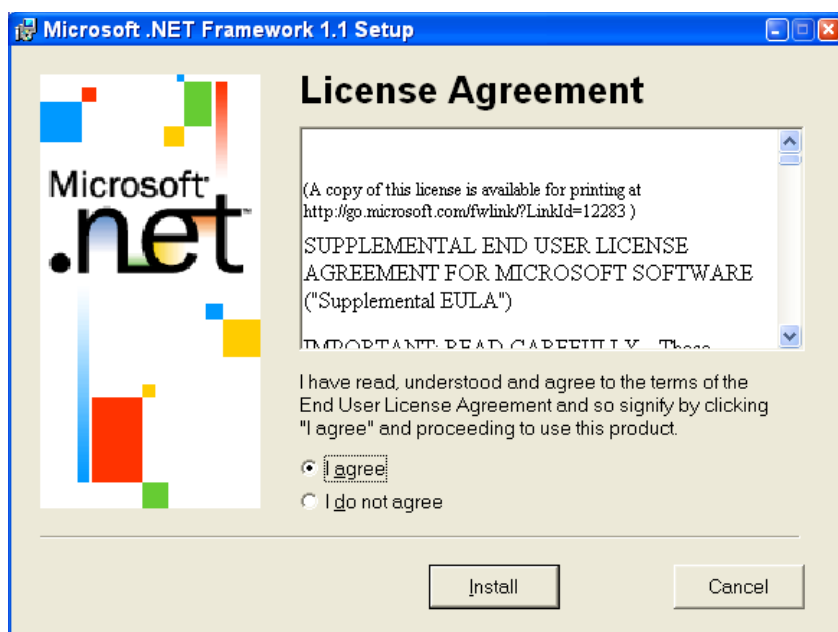
- 1** From the `idmcle` folder, run `Setup.exe` to launch the Client Login Extension Configuration Utility installer.



- 2** Click *OK* to continue with the installation. The installer checks to see if the .NET platform is installed on this machine. If .NET is installed, skip to Step 5. If it is not, you see the following dialog box:

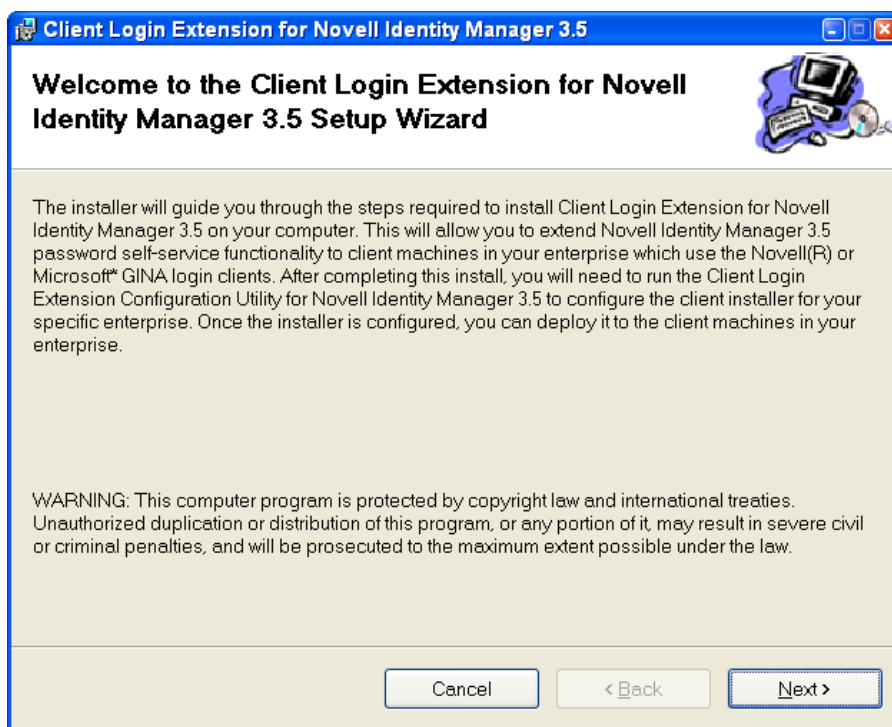


- 3 Click *Yes* to install the Microsoft .NET Framework.



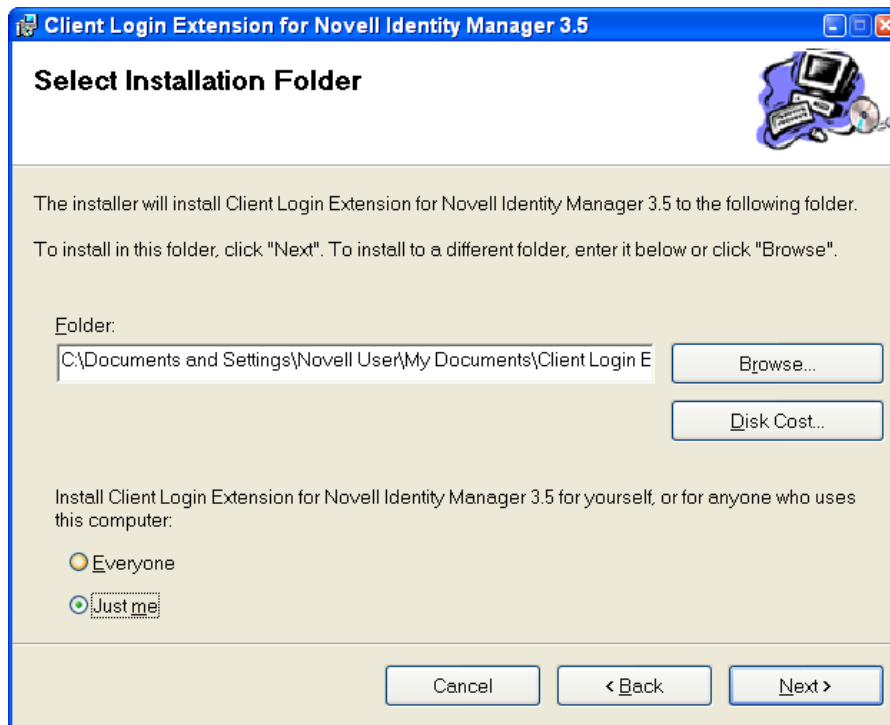
- 4 Click *I agree*, then click *Install*.

After the .NET Framework is installed, the Client Login Extension for Novell Identity Manager 3.5 Setup Wizard launches.



- 5 Read the information on the initial wizard page, then click *Next*.

- 6 On the License Agreement page, read the license agreement. If you agree, click *I Agree*, then click *Next*.



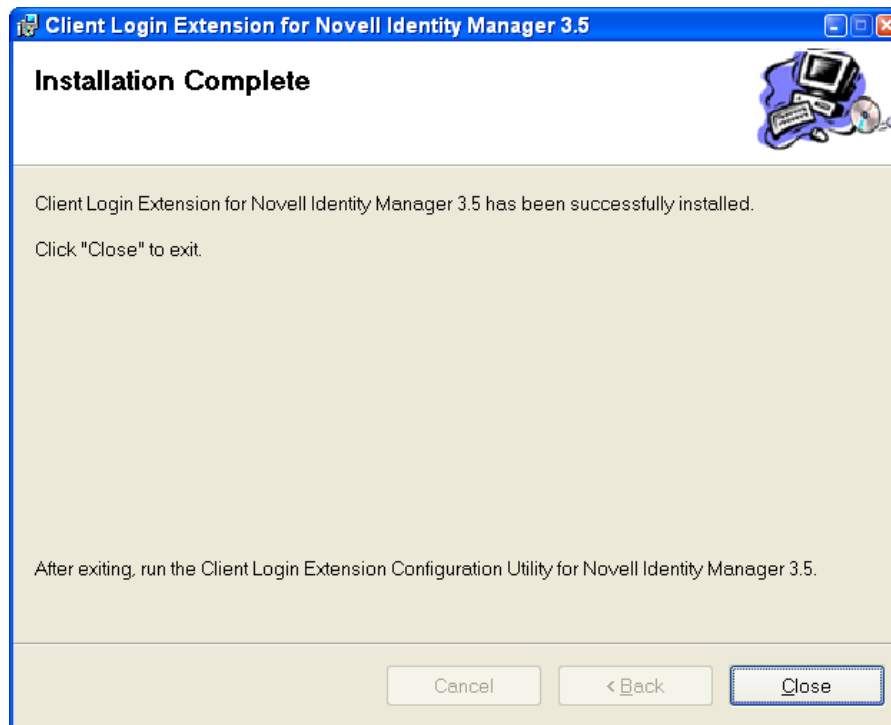
- 7 On the Select Installation Folder page, use the default directory selection, or click *Browse* to select a different directory.

The default directory is C:\Documents and Settings\Username\My Documents\Client Login Extension Configuration Utility for Novell Identity Manager 3.5.

You can also select to create shortcuts for the currently logged-in user, or for anyone who uses this computer. The default is *Just me*.

- 8 Click *Next*.

- 9 On the Confirm Installation page, click *Next* to install the Client Login Extension Configuration utility and the Client Login Extension files.



- 10 When the installation completes, click *Close*, then click *OK*.

The install process creates two shortcuts to `ClientLoginExtensionConfigurationUtility.exe`, one for the desktop and one for the *Programs* menu. The process installs the following folders and files in the installation folder:

- ♦ `ClientLoginExtensionConfigurationUtility.exe`
- ♦ `Interop.WindowsInstaller.dll`
- ♦ `license.rtf`
- ♦ `Installer/`
 - ♦ `IdentityManagerClientLoginExtension_en.msi` (English--default)
 - ♦ `IdentityManagerClientLoginExtension_de.msi` (German)
 - ♦ `IdentityManagerClientLoginExtension_es.msi` (Spanish)
 - ♦ `IdentityManagerClientLoginExtension_fr.msi` (French)
 - ♦ `IdentityManagerClientLoginExtension_it.msi` (Italian)
 - ♦ `IdentityManagerClientLoginExtension_ja.msi` (Japanese)
 - ♦ `IdentityManagerClientLoginExtension_zh_CN.msi` (Chinese Mandarin)
 - ♦ `IdentityManagerClientLoginExtension_zh_TW.msi` (Chinese Traditional)

- 11 Continue with [Section 1.3, "Using the Client Login Extension Configuration Utility to Configure the Client Login Extension MSI Files,"](#) on page 7.

1.2.1 Uninstalling the Client Login Configuration Utility for Novell Identity Manager 3.5

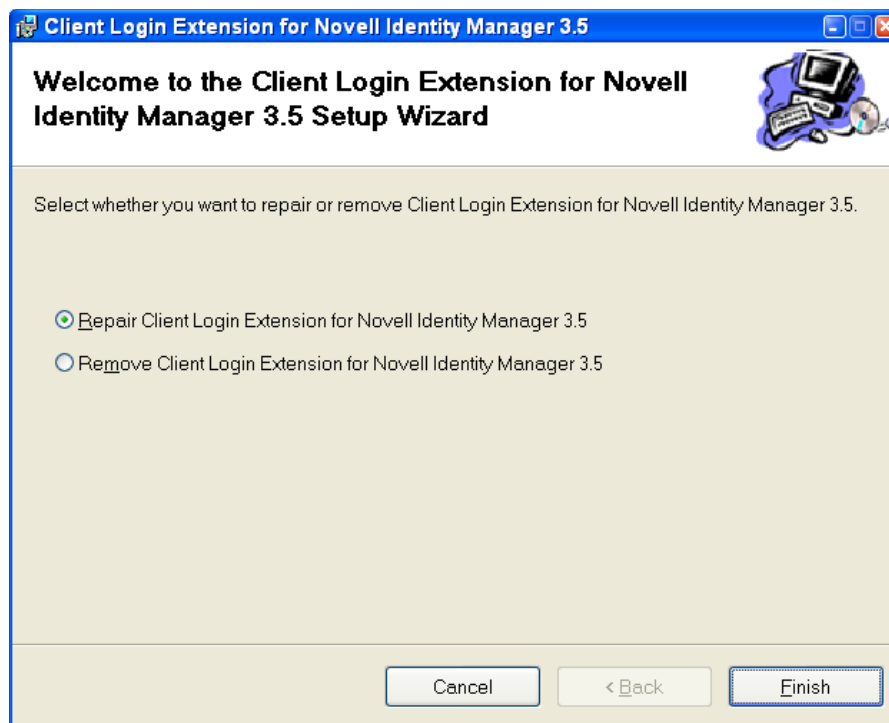
To uninstall the configuration utility:

Using Add or Remove Programs to Uninstall the Configuration Utility

- 1 Open the Add or Remove Programs dialog box in the Control Panel, select *Client Login Extension Configuration Utility for Novell Identity Manager 3.5*. Then click *Remove*.

Using the Setup Wizard to Uninstall the Configuration Utility

- 1 Re-run *Setup.exe* to re-launch the Client Login Extension for Novell Identity Manager 3.5 Setup Wizard.

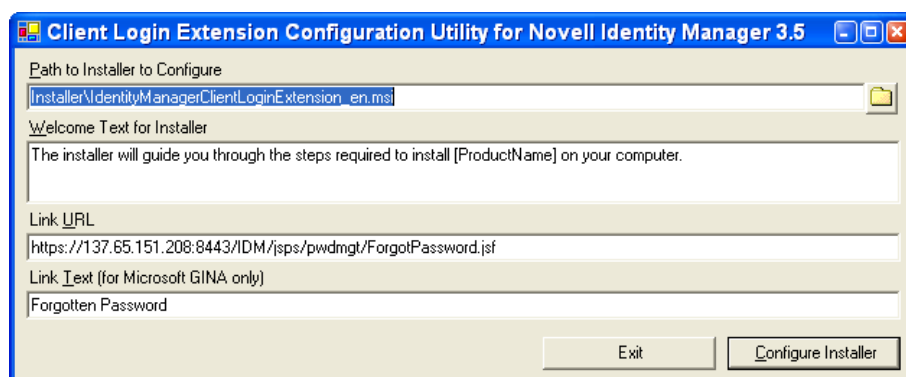


- 2 Select the option *Remove Client Login Extension for Novell Identity Manager 3.5*, then click *Finish*.

1.3 Using the Client Login Extension Configuration Utility to Configure the Client Login Extension MSI Files

- 1 Click the *Client Login Extension Configuration utility for Novell Identity Manager 3.5* shortcut to launch the Client Login Extension Configuration utility.

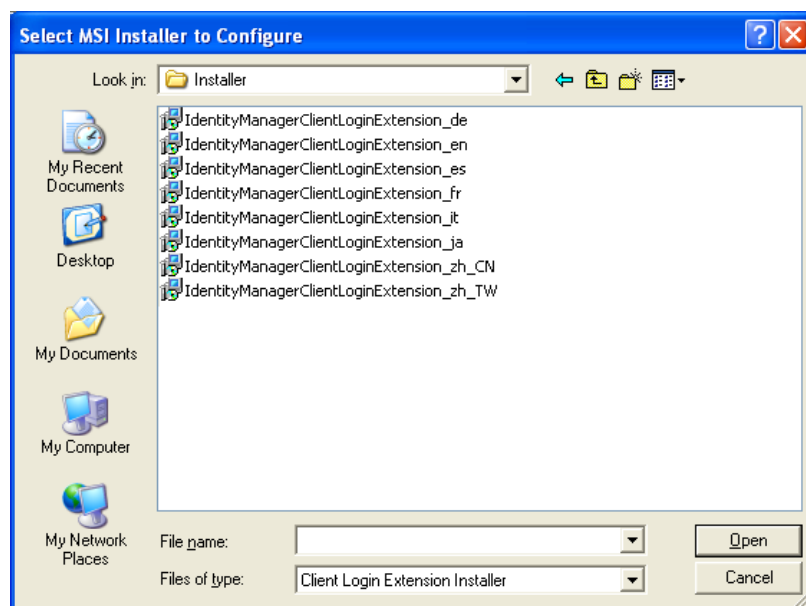
Or you can double-click the `ClientLoginExtensionConfigurationUtility.exe` file to launch the utility.



The *Path to the Installer to Configure* option shows the path to the English version of the Client Login Extension installer file being configured. Whenever this text box contains a path to a valid MSI file, the utility automatically opens the file, populates the other controls with the information it contains, and enables the *Configure Installer* button.

- 2 (Optional) If you want to select another language, click the *Browse* button to select a Client Login Extension installer file in a different language.

By default, the *Browse* button opens into the `Installer` subfolder in the installation folder and displays all files that match the Client Login Extension Installer pattern.



- 3 Modify the information in the Welcome text, or keep the information as it is presented.

The information in the text box is displayed in the Welcome screen of the Client Login Extension. The string `[ProductName]` displays as “*Client Login Extension for Novell Identity Manager 3.5.*”

- 4 Specify the URL that the Client Login Extension restricted browser uses to connect to the User Application’s Forgotten Password page. You can use either a DNS name or an IP address. An example URL using a DNS name that links to the Forgot Password page is:

`https://hostname:8443/IDM/jsps/pwdmgt/ForgotPassword.jsf`

This can also be configured to access the external password WAR. To do this, see Chapter 5.8.4, “Accessing the External Password WAR,” in the [Identity Manager 3.5 Installation Guide](http://www.novell.com/documentation/idm35/index.html) (<http://www.novell.com/documentation/idm35/index.html>).

IMPORTANT: You must have a valid URL pointing to the User Application’s Forgotten Password page; otherwise, the client connection fails and you might not be able to log in through the workstation. For more information, see [Section 1.5.1, “Troubleshooting,” on page 15](#).

- 5 If you have workstations that are using the Microsoft GINA, specify the text to be displayed on the link to the restricted browser that the Client Login Extension uses.

The default text is *Forgotten Password*. The text for the button in the Novell Client is provided by the Novell Client and cannot be changed here.

- 6 After all of the information is in place, click *Configure Installer* to write the new configuration settings to the selected Client Login Extension file.



- 7 Click *OK* to close the confirmation message.
- 8 The Client Login Extension Configuration utility remains open, allowing you to configure another Client Login Extension MSI file in a different language. To do so, click the *Browse* button to the right of the *Path to the Installer to Configure* option, select another language, and configure another .msi file by following [Step 2 on page 8](#) through [Step 7 on page 9](#).

Localized Client Login Extension MSI files for the more common languages are delivered with the configuration utility in the `Installers` folder. You must configure each localized installer individually.

To localize the Client Login Extension MSI files for languages other than those delivered with the Client Login Extension, see [Section 1.3.1, “Localizing Client Login Extension Files for Other Languages,” on page 9](#).

- 9 To close the Client Login Extension Configuration utility for Novell Identity Manager 3.5 window, click *Exit*.

NOTE: You cannot run the Client Login Extension MSI file while it is open in the Client Login Extension Configuration utility.

1.3.1 Localizing Client Login Extension Files for Other Languages

To localize the Client Login Extension for languages other than those delivered with the Client Login Extension Configuration utility, you can use Orca to directly edit the content of the MSI database (`IdentityManagerClientLoginExtension.msi`).

Orca ([Orca.exe](http://msdn2.microsoft.com/en-us/library/aa370557.aspx)) (<http://msdn2.microsoft.com/en-us/library/aa370557.aspx>) is a database table editor for creating and editing Windows Installer packages. It is available in the [Windows SDK](#)

Components for Windows Installer Developers (<http://msdn2.microsoft.com/en-us/library/aa370834.aspx>).

The text to be localized for `IdentityManagerClientLoginExtension.msi` is located in the following table.

Table 1-1 *Text You Need to Localize*

Table	Column	Comments
Control	Text	
Dialog	Title	
Directory	DefaultDir	Put text after “ ”.
Launch Condition	Description	
Property	Value	Only ProductName, Manufacturer, ARPCONTACT, and VSDVERSIONMSG.
RadioButton	Text	
Registry	Value	set LogFile, LinkURL, LinkText, PasswordComplexityText, and LoginExtDesc to defaults for the configuration utility.
Shortcut	Name	Put text after “ ”.
Shortcut	Description	If not Null.
UIText	Text	

WARNING: Translate only the user interface text. For example, do not translate text that is surrounded by square brackets ([xxxx]), or is in mixed case (XxxXxxXxx). Modifying these property names and identifiers breaks the installer.

Use the following procedure to localize the Client Login Extension MSI file to a new language:

- 1 Copy `IdentityManagerClientLoginExtension.msi` to `IdentityManagerClientLoginExtension_xx.msi`, where `xx` identifies the new language (locale).
- 2 Open `IdentityManagerClientLoginExtension_xx.msi` in `Orca.exe`, edit the tables and columns as they are listed in **Table 1-1 on page 10** to insert the localized text, then save and close the file.
- 3 Open `IdentityManagerClientLoginExtension_xx.msi` with the Client Login Extension Configuration utility (`ClientLoginExtensionConfigurationUtility.exe`), review the default values, make any modifications if needed, then click *Configure Installer*.

NOTE: Step 3 is required, even if the default values that you set in the Registry table do not need modification. The Client Login Extension Configuration utility makes additional changes that enable the Client Login Extension MSI file.

1.4 Installing the Client Login Extension MSI File

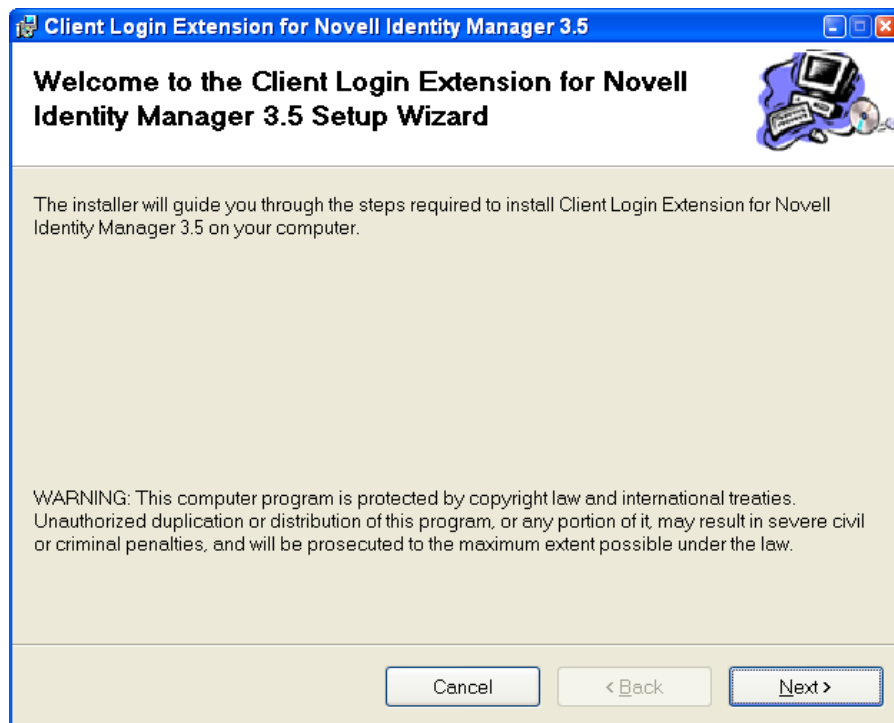
With the Client Login Extension MSI file configured, you can distribute the `IdentityManagerClientLoginExtension_xx.msi` file (or its distribution name) to users or to a distribution mechanism. The `xx` identifies the language (locale). The `IdentityManagerClientLoginExtension_xx.msi` file is located in the `Installer` folder.

You must also install the Microsoft .NET Framework on every workstation that you plan to run the Client Login Extension MSI file. For version consistency, use the `dotnetfx.exe` file that comes with the Client Login Extension feature and is found in the `idmcle` folder.

NOTE: The Client Login Extension only works with the native Microsoft GINA and the Novell Client 4.91 SP3. It does not work with any application that alters the Microsoft GINA, except the Novell Client 4.91 SP3. The Client Login Extension works on Windows XP and Windows 2000 workstations.

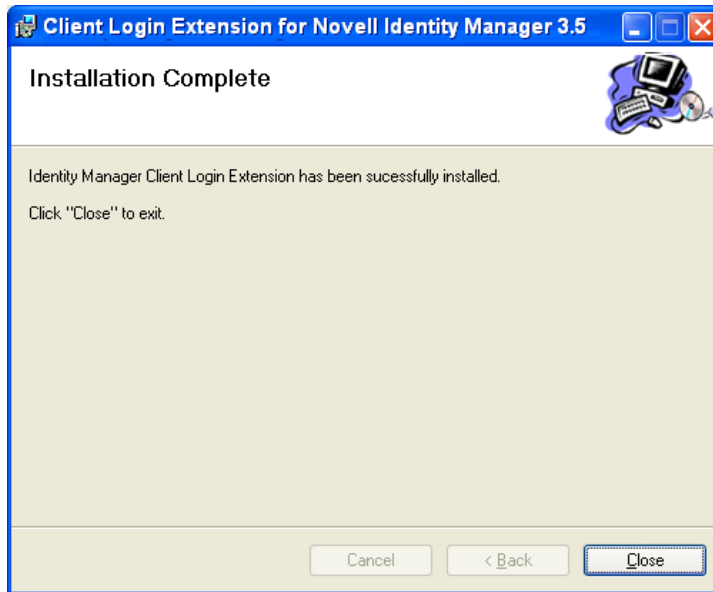
- 1 Run the `dotnetfx.exe` file to install the Microsoft .NET Framework on each workstation that you plan to run the Client Login Extension MSI file. See [Step 2](#) under [Section 1.2](#), “Installing the Client Login Extension Configuration Utility for Novell Identity Manager 3.5,” on [page 2](#).
- 2 After the Microsoft .NET Framework is installed, double-click the `IdentityManagerClientLoginExtension_xx.msi` file to launch the Client Login Extension welcome page.

The welcome message is the text you provided in the Client Login Extension Configuration utility.



- 3 Click *Next* to start the installation.

- 4 After the Client Login Extension is installed, click *Close*.



- 5 (Optional) To uninstall the Client Login Extension, open the Add or Remove Programs dialog box in the Control Panel, select *Client Login Extension for Novell Identity Manager 3.5*, then click *Remove*.

1.4.1 Using the Client Login Extension Installer Command Line Options

The Client Login Extension MSI file is a standard MSI installer. It can be used with any of the standard `Msiexec.exe` command line options, which you can find at [msdn](http://msdn2.microsoft.com/en-us/library/aa367988.aspx) (<http://msdn2.microsoft.com/en-us/library/aa367988.aspx>). Some examples are shown below.

To install the Client Login Extension MSI file with no user interface, enter the following at the command line:

```
msiexec /i IdentityManagerClientLoginExtension_en.msi /q
```

or

```
IdentityManagerClientLoginExtension_en.msi /q
```

To install with no user interface except for a modal dialog box displayed at the end, enter:

```
msiexec /i IdentityManagerClientLoginExtension_en.msi /qn+
```

or

```
IdentityManagerClientLoginExtension_en.msi /qn+
```

To uninstall with no user interface, enter:

```
msiexec /x IdentityManagerClientLoginExtension_en.msi /q
```

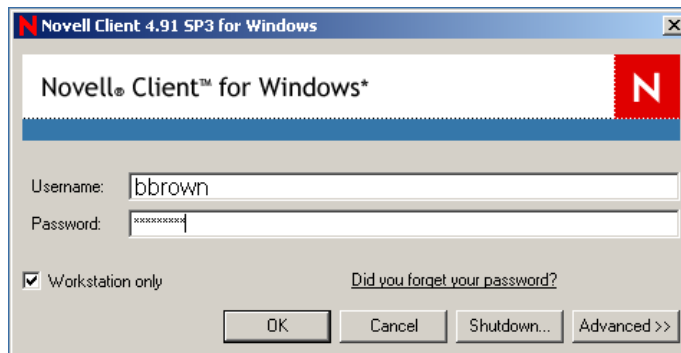
To uninstall with no user interface except for a modal dialog box displayed at the end, enter:

```
msiexec /x IdentityManagerClientLoginExtension_en.msi /qn+
```

1.5 Using the Forgotten Password Feature

After you run the Client Login Extension MSI file on workstations running the Novell Client 4.91 SP3 or the Microsoft GINA, and you have specified a valid HTTPS link, the Password Self-Service feature is now ready to use. (See [Section 1.1, “Preparing to Run the Client Login Extension for Novell Identity Manager 3.5,”](#) on page 2 to ensure that you have all the information in place for Password Self-Service to work.)

- 1 If you forget your password, click the *Did you forget your password?* link in the Novell Client.

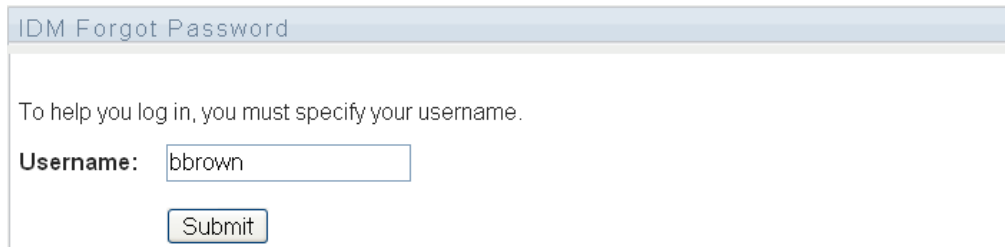


The Microsoft GINA link says *Forgotten Password*, or whatever text you provided when configuring the Client Login Extension.

Clicking the *Did you forget your password?* link launches the restricted browser that can only go to the URL designated in the Client Login Extension Configuration utility. The restricted browser performs the following:

- ♦ Verifies that the protocol is HTTPS
- ♦ Validates the hostname
- ♦ Verifies that the target Web site is operating in Internet Explorer’s restricted sites zone
- ♦ Disables hotkeys
- ♦ Disables tabs
- ♦ Disables right-clicking
- ♦ Disables ActiveX*
- ♦ Disables scripts
- ♦ Runs on its own process, separate from the Winlogon process

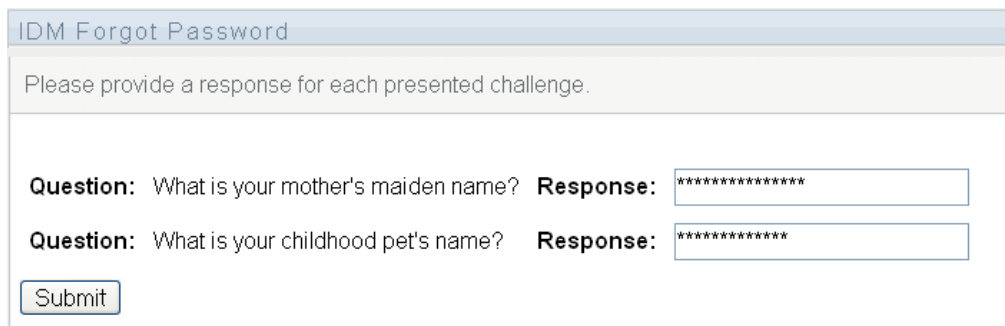
- 2 After the restricted browser connects to the Forgotten Password page, you see the IDM Forgot Password dialog box. Type your login name and click *Submit*.



The dialog box has a title bar 'IDM Forgot Password'. Below it, a message says 'To help you log in, you must specify your username.' There is a label 'Username:' followed by a text input field containing 'bbrown'. Below the input field is a 'Submit' button.

What you see in the IDM Forgot Password dialog box depends on how the system administrator has set up the Forgotten Password option. You can see a hint, have your hint e-mailed to you, have your password e-mailed to you, or you can be allowed to change your password. You can also be given challenge questions.

For this example, the user is given a challenge question and a hint.



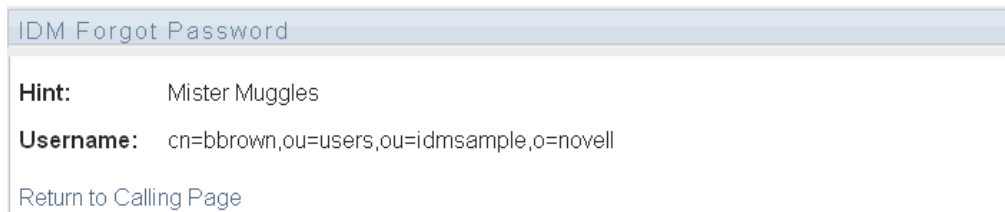
The dialog box has a title bar 'IDM Forgot Password'. Below it, a message says 'Please provide a response for each presented challenge.' There are two challenge questions, each with a 'Question:' label and a 'Response:' label. The first question is 'What is your mother's maiden name?' and the second is 'What is your childhood pet's name?'. Both response fields contain asterisks. There is a 'Submit' button at the bottom.

- 3 Type your response to the questions and click *Submit*.

The number of response questions and what they say is configurable by the system administrator.

If you do not answer the questions correctly, you see a *Challenge Response failed* message and you are presented with the questions again.

- 4 After the response questions are answered correctly, you are presented with the password hint, depending on how the system administrator has configured password self-service.



The dialog box has a title bar 'IDM Forgot Password'. Below it, there is a 'Hint:' label followed by the text 'Mister Muggles'. Below that is a 'Username:' label followed by the text 'cn=bbrown,ou=users,ou=idmsample,o=novell'. At the bottom is a link 'Return to Calling Page'.

- 5 Close the browser (because the browser is restricted, the *Return to Call Page* link won't work.) Use the hint to remember your password. If you still cannot remember your password, contact your system administrator.

1.5.1 Troubleshooting

Keep in mind the following information as you use the Forgotten Password feature:

- ♦ If your system administrator allows you to change your password through this process, it can take up to 15 minutes or longer before all changes are in place throughout the network. Be patient before contacting your system administrator.
- ♦ For those using the Novell client, if you are already logged in to the network and right-click the red N in the taskbar, select *NetWare Login*, then select the *Did you forget your password?* link, you will not launch the restricted browser. The Client Login Extension only applies when you have not logged in.
- ♦ If the server running the Identity Manager User Application is down and you select the *Did you forget your password?* link, you receive the message “*An error has occurred*” in red on the restricted browser’s initial page. Contact your system administrator.
- ♦ If the server running the Identity Manager external WAR is down and you select the *Did you forget your password?* link, you receive the message “*Page Not Found*” on the restricted browser’s initial page. Contact your system administrator.
- ♦ If the URL to the IDM Forgot Password page is mis-configured and you select the *Did you forget your password?* link, you receive the message “*Page Not Found*” on the restricted browser’s initial page. Contact your system administrator.