

**BeyondLSI NMAS
For BL-FkeyC
User Manual**

BEYONDSI

BeyondLSI, Inc.

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Contents

1.	SYSTEM REQUIREMENTS	1
2.	BEYONDLSI NMAS INSTALLATION	2
2.1.	BEYONDLSI NMAS CLIENT SOFTWARE INSTALLATION.....	2
2.2.	BL-FKEYC DRIVER INSTALLATION	4
2.3.	BEYONDLSI LOGIN METHOD INSTALLATION	6
3.	BEYONDLSI LOGIN METHOD BASIC FUNCTIONS.....	11
3.1.	CREATING USER ACCOUNTS AND ENROLLING FINGERPRINT.....	11
3.2.	ENROLLING FINGERPRINTS FOR EXISTING NDS USERS.....	17
3.3.	LOGIN TO NOVELL NETWARE NETWORK BY BEYONDLSI LOGIN METHOD.....	20
4.	CORRECT WAY TO SWIPE A FINGER ACROSS THE SENSOR	25

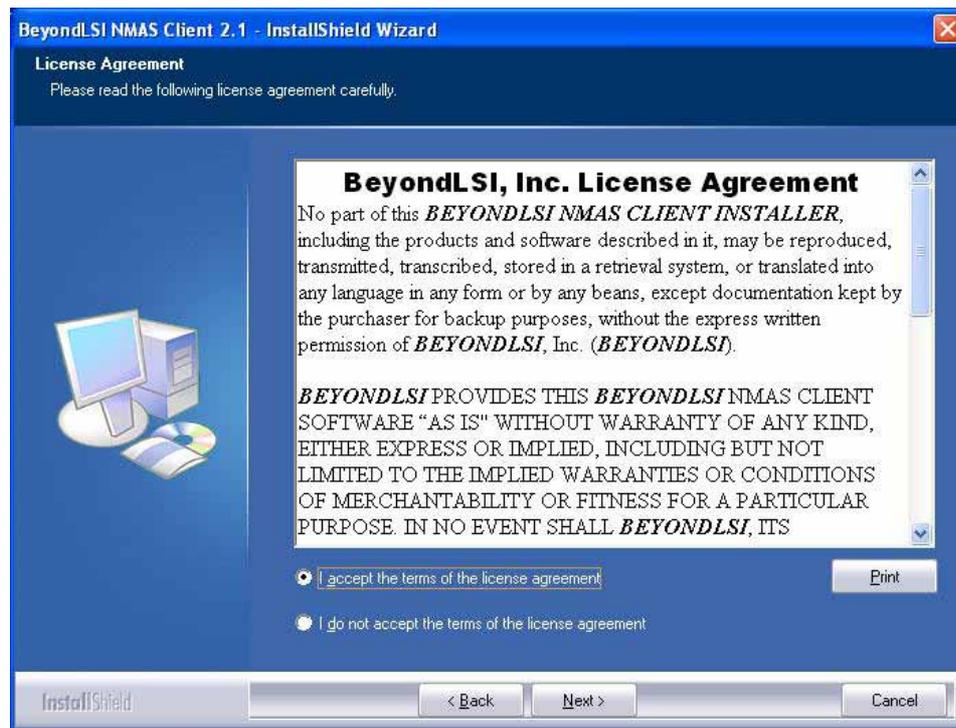
1. System Requirements

- OS :
 - Microsoft® Windows® XP Home Edition (SP1 or higher)
 - Microsoft® Windows® XP Professional (SP1 or higher)
- Software :
 - Novell® Client 4.91 SP2 or later
 - Novell® ConsoleOne™ 1.3.6 or later
- CPU :
 - Intel® Pentium® processor or
 - Intel® Celeron® processor 1 GHz or higher
- Memory :
 - More than 256 MB
- Hard Disk :
 - More than 30 MB space available
- Resolution :
 - 800 x 600 pixels, middle (16bit) or Highest (32bit)
- USB :
 - Ver. 1.1 or Ver. 2.0

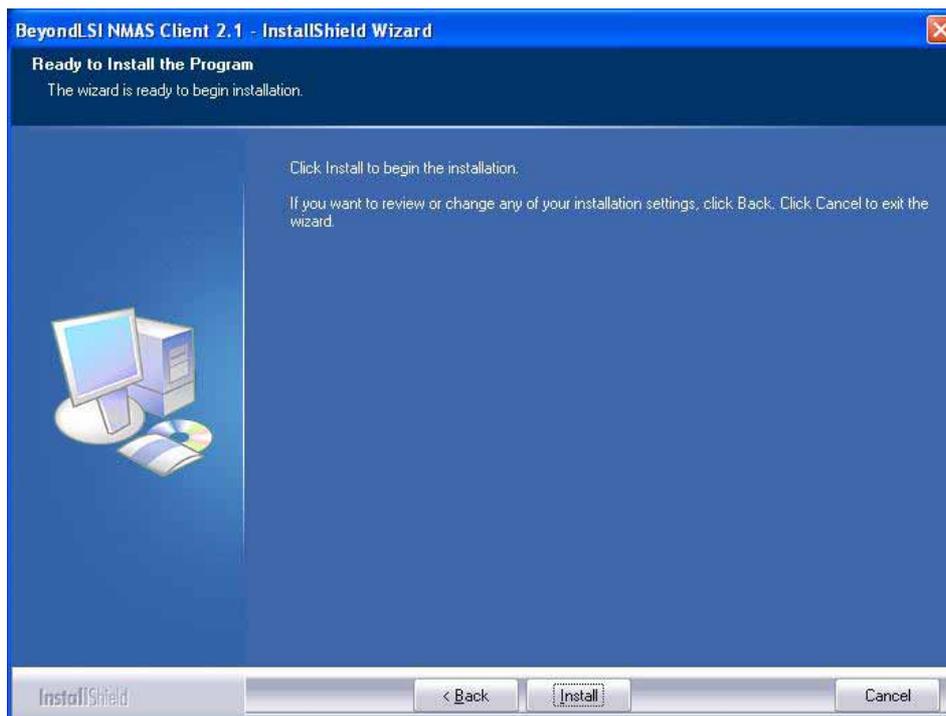
2. BeyondLSI NMAS installation

2.1. BeyondLSI NMAS client Software installation

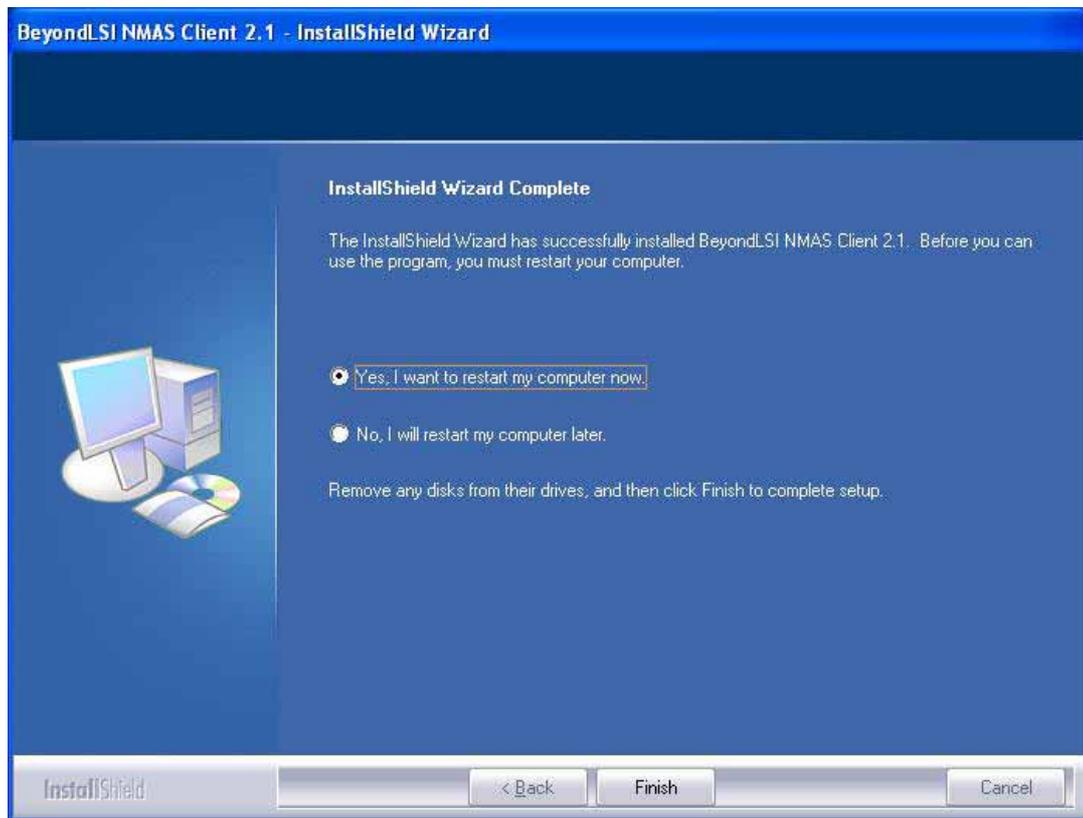
1. Double-click setup.exe. The setup screen will appear automatically. Click **Next**. The License Agreement dialog box will appear. Read carefully and click **Next**.



2. Click **Install** to start the installation.



3. Once the installation completes, the Setup Complete dialog box will appear. Select **“Yes, I want to restart my computer now”**, and click **Finish**.



2.2. BL-FkeyC Driver installation

1. After installing BeyondLSI NMAS Client software, insert the BL-FkeyC into a USB port. The Found New Hardware Wizard dialog box will appear. Select **“Install from a list or specific location (Advanced)”**, and click **Next**.



2. Select **“Include this location in the search”** in the Wizard, and click **Browse**. Select DRIVER folder in the *path_to_the_BeyondLSI_NMAS_Client_software\Driver* and click **OK**.

The default path is Program Files\BeyondLSI\BeyondLSI NMAS Client for BL-FkeyC



3. The Hardware Installation dialog box will appear during the process. Click **Continue Anyway**.



4. After the hardware installation is complete, click **Finish**.



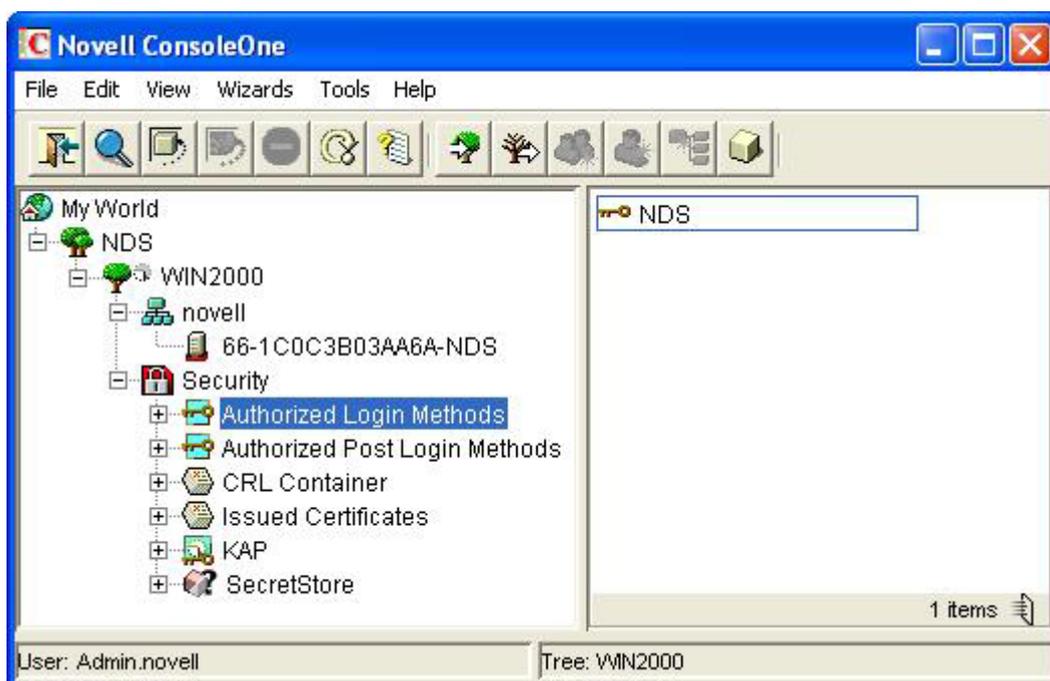
2.3. BeyondLSI Login Method installation

After installing BeyondLSI NMAS Client software ConsoleOne can be used to install the BeyondLSI Login Method into eDirectory.

1. Login to the eDirectory tree as an administrator or a user with administrative rights.

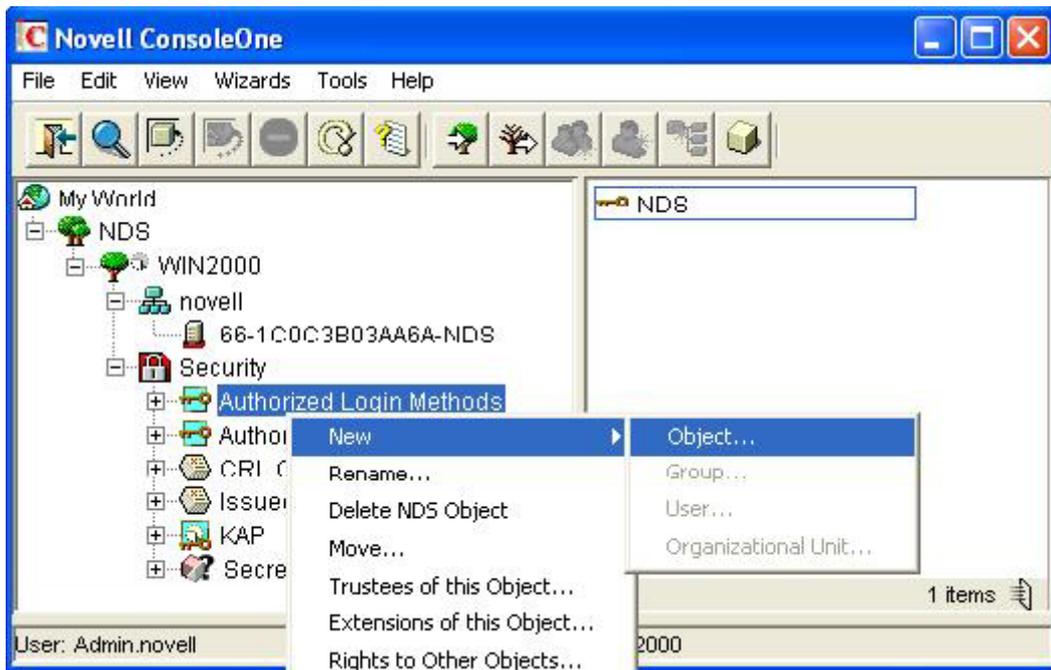


2. Start ConsoleOne, select the **Security** container in ConsoleOne.



3. Right-click the **Authorized Login Methods** container.

4. Click **New**, then click **Object**. The New Object Wizard starts.



5. Select the **SAS:NMAS Login Method** object class, then click **OK**.



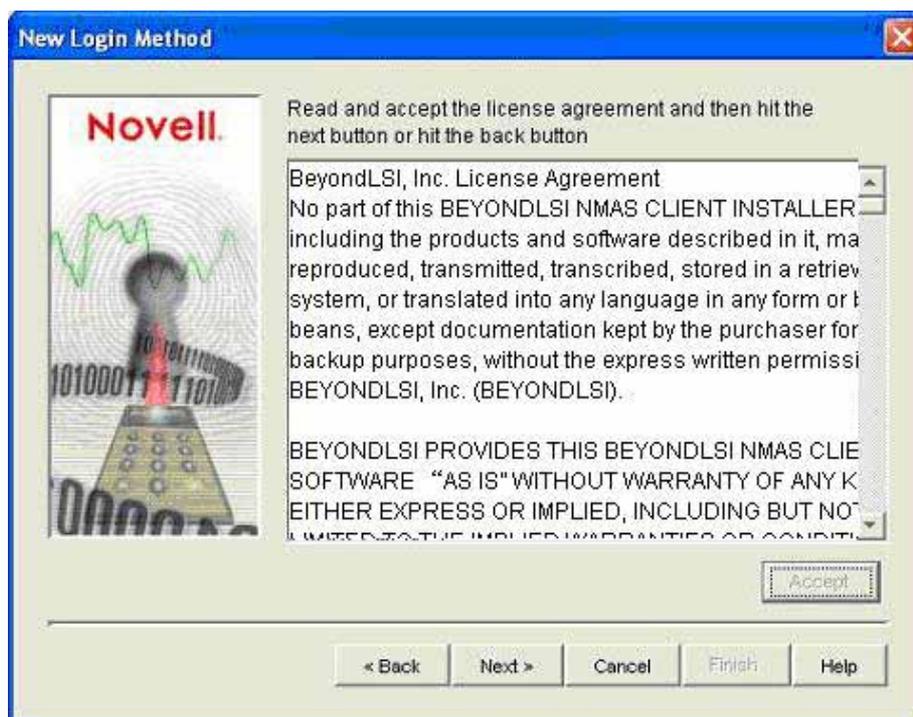
- Specify the configuration file. The configuration file is located in the login method folder and is named config.txt. Then click **Next**.



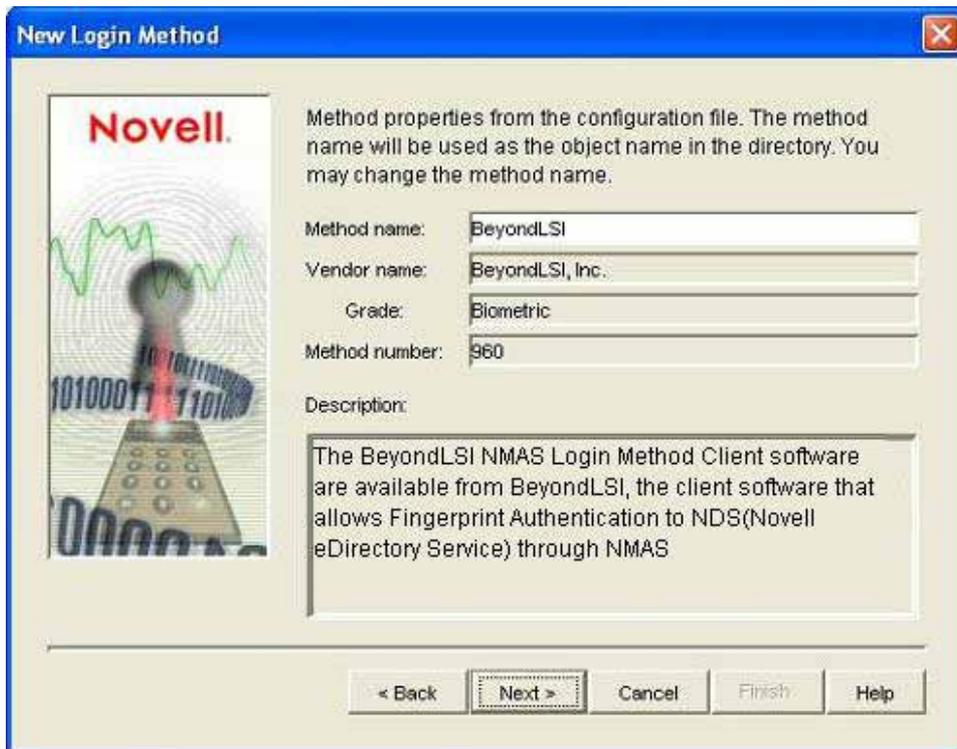
Default folder in BeyondLSI NMAS Client for BL-FkeyC is

C:\ProgramFiles\BeyondLSI\BeyondLSI NMAS Client for BL-FkeyC 2.1\method

- On the license agreement page, click **Accept**, then click **Next**.



8. Accept the default method name, then click **Next**.



The screenshot shows a 'New Login Method' dialog box with a blue title bar and a close button. On the left is a Novell logo and a graphic of a fingerprint scanner. The main area contains the following text and fields:

Method properties from the configuration file. The method name will be used as the object name in the directory. You may change the method name.

Method name:

Vendor name:

Grade:

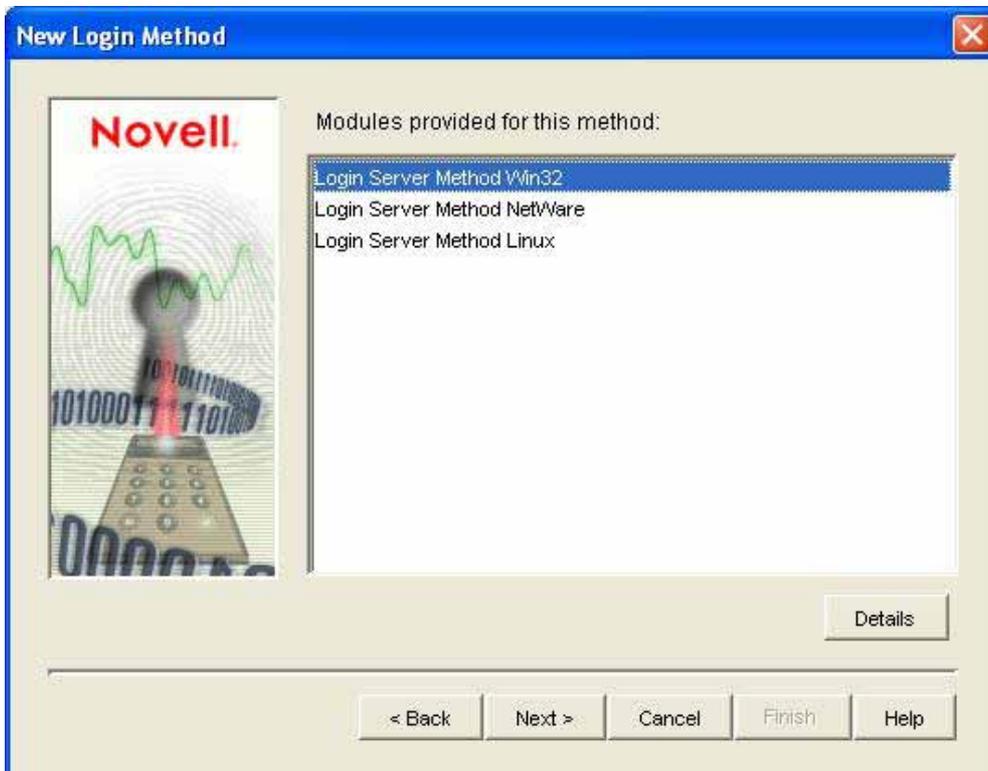
Method number:

Description:

The BeyondLSI NMAS Login Method Client software are available from BeyondLSI, the client software that allows Fingerprint Authentication to NDS(Novell eDirectory Service) through NMAS

At the bottom are buttons: < Back, Next >, Cancel, Finish, and Help. The 'Next >' button is highlighted with a dashed border.

9. Review the available modules for this method, then click **Next**.

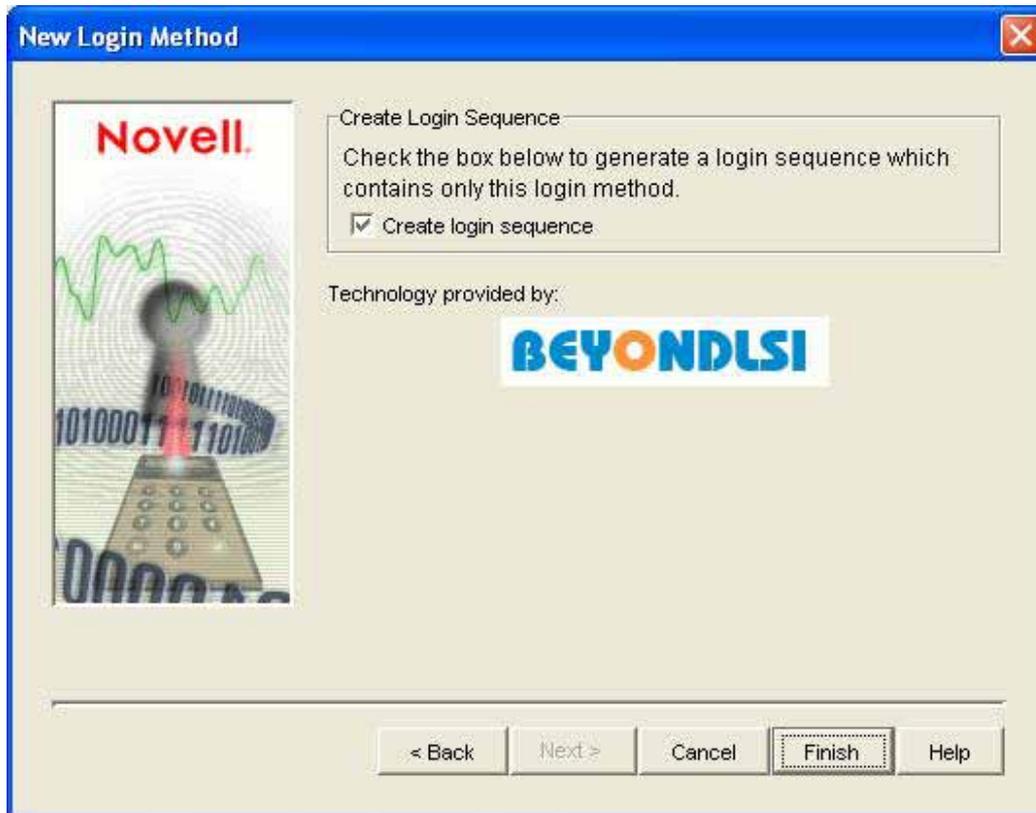


The screenshot shows the same 'New Login Method' dialog box, but now displaying a list of modules. The text and fields from the previous step are still present. The 'Modules provided for this method:' section contains a list box with three items:

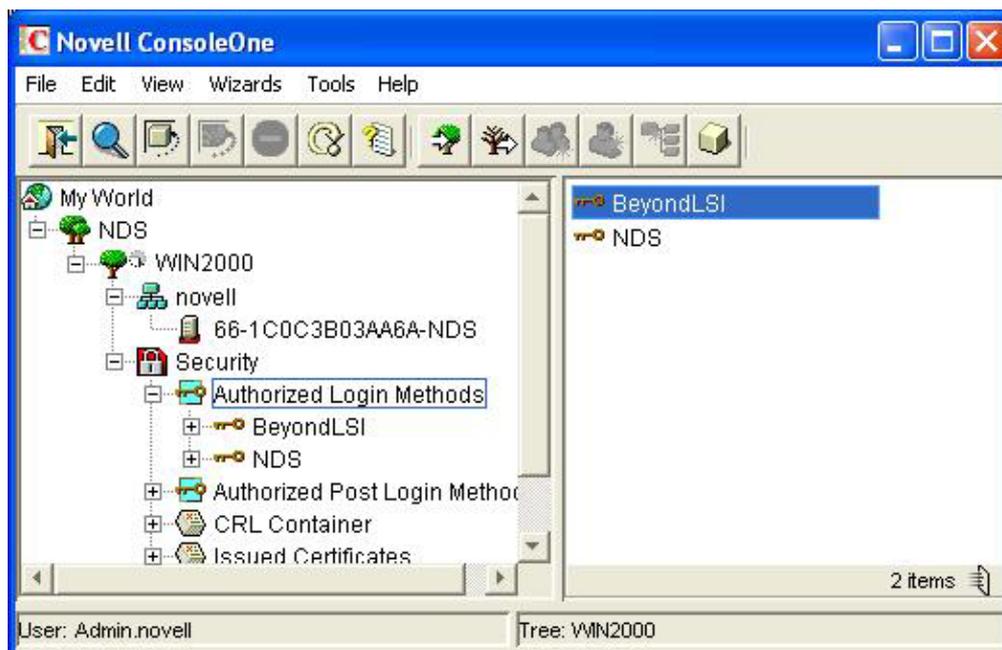
- Login Server Method Win32
- Login Server Method NetWare
- Login Server Method Linux

The 'Login Server Method Win32' item is selected and highlighted in blue. A 'Details' button is located below the list box. At the bottom are buttons: < Back, Next >, Cancel, Finish, and Help. The 'Next >' button is highlighted with a dashed border.

10. If you want a login sequence to use only this login method, check the appropriate check box, then click **Finish**.



11. Review the installation summary, then click **OK**.
12. If necessary, close and restart ConsoleOne to run the newly installed ConsoleOne snap-ins provided by the login method to configure the login and enroll users to use this login method.



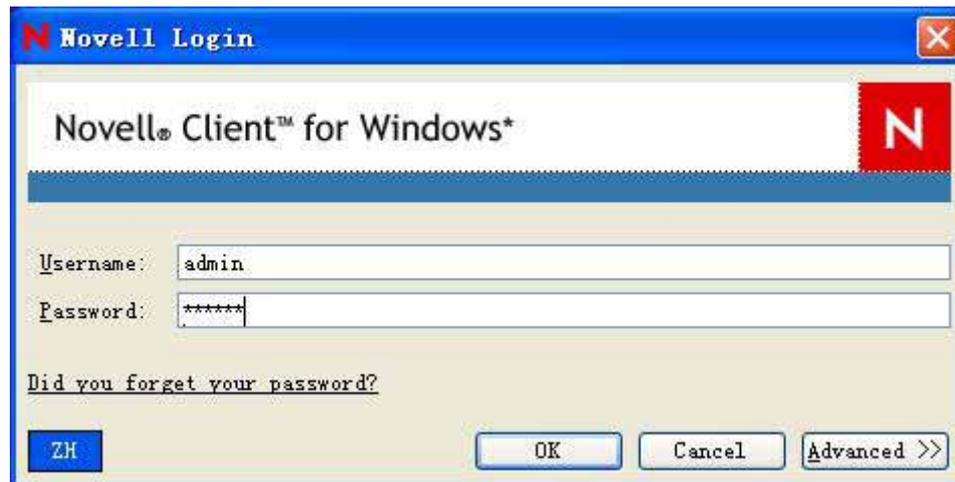
3. BeyondLSI Login Method basic functions

3.1. Creating user accounts and Enrolling fingerprint

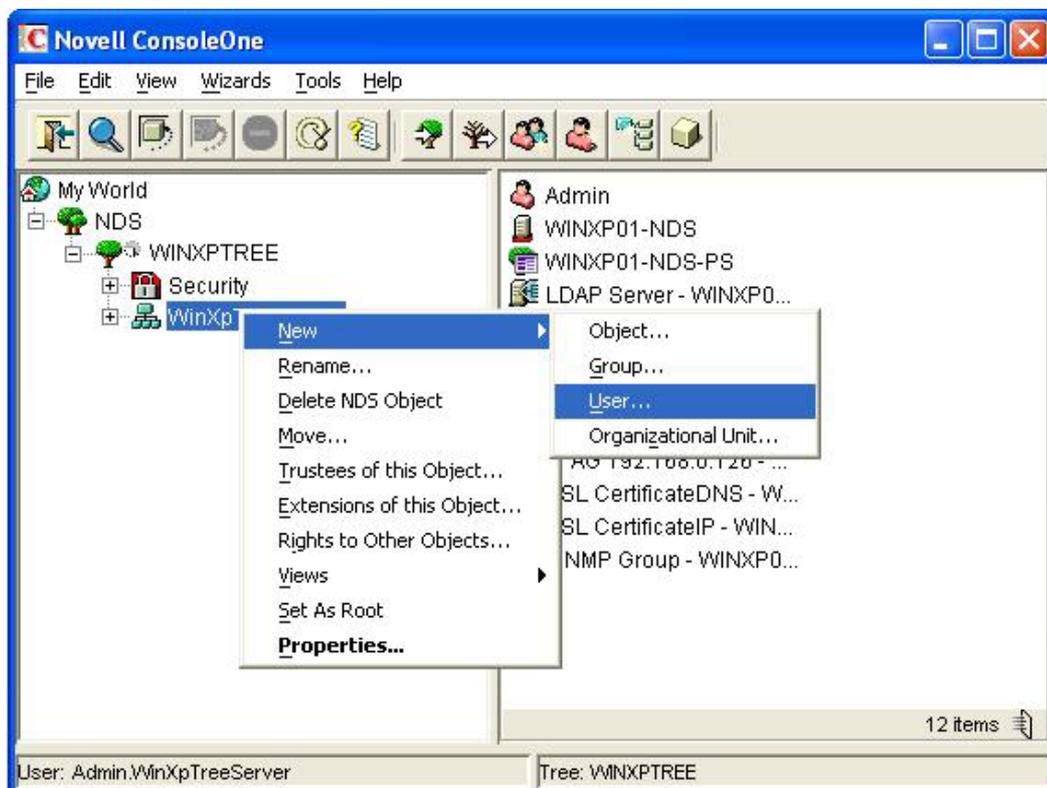
Note: BL-FkeyC must be connected to the PC prior to using BeyondLSI Login Method.

- **Creating a new NDS user:**

1. Login to the eDirectory tree as an administrator or a user with administrative rights.



2. Start ConsoleOne, Right-click the container that you want to create the User object in > click **New** > click **User**.



3. Fill in the New User dialog box. Click Help for details.

New User

Name:

Surname: ...

Scan Users Fingerprint

Set Default Login Sequence

NDS

Assign Simple Password

Force Password Change

Unique ID:

Use template:

...

Create Home Directory:

Path:

Define additional properties

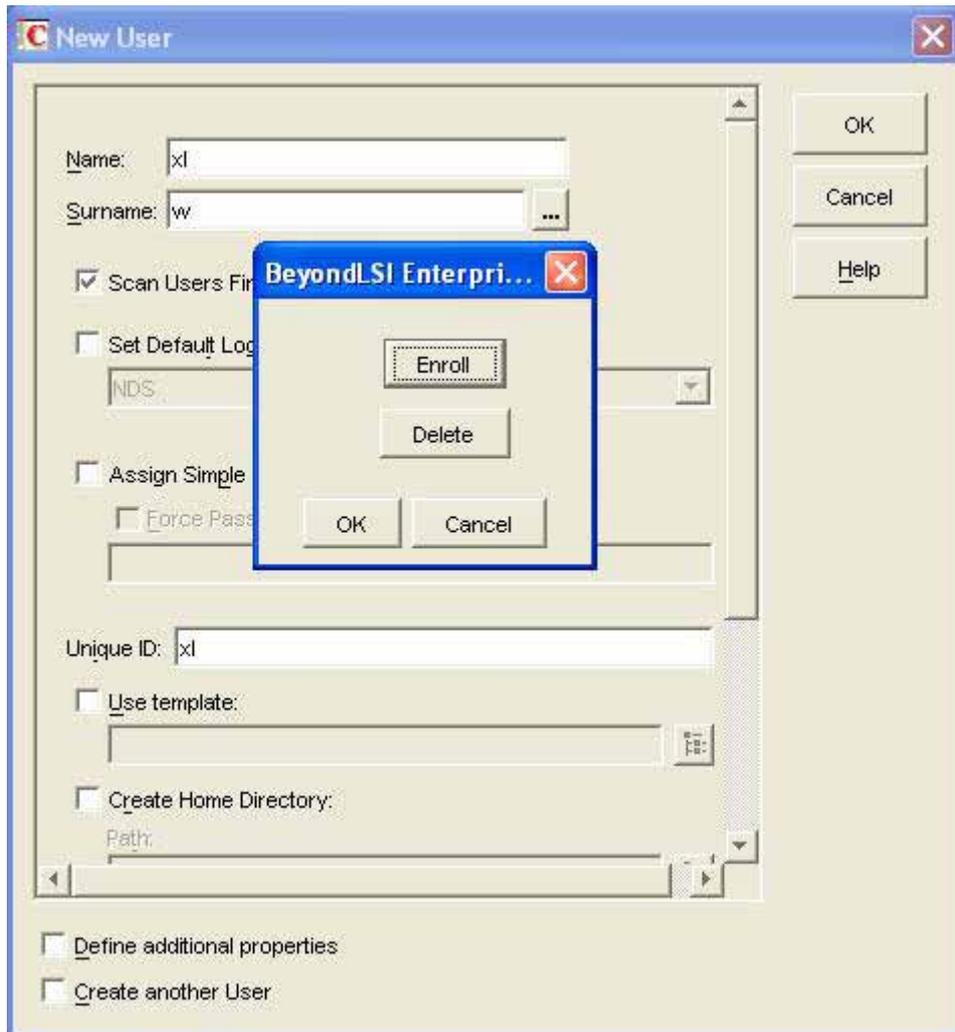
Create another User

OK

Cancel

Help

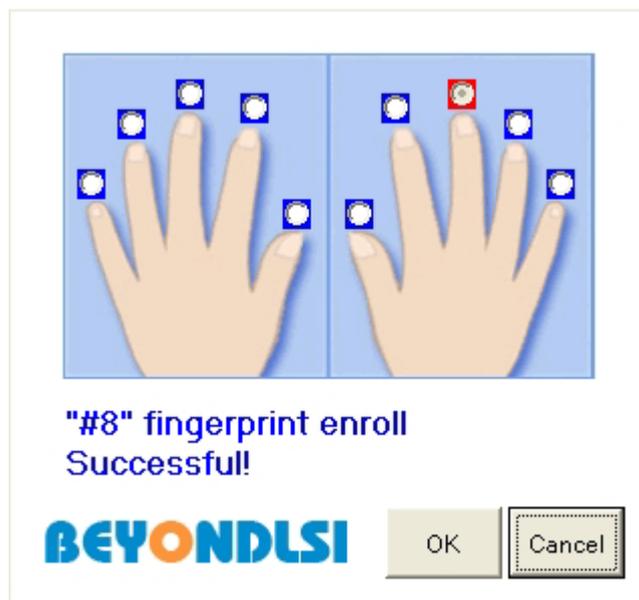
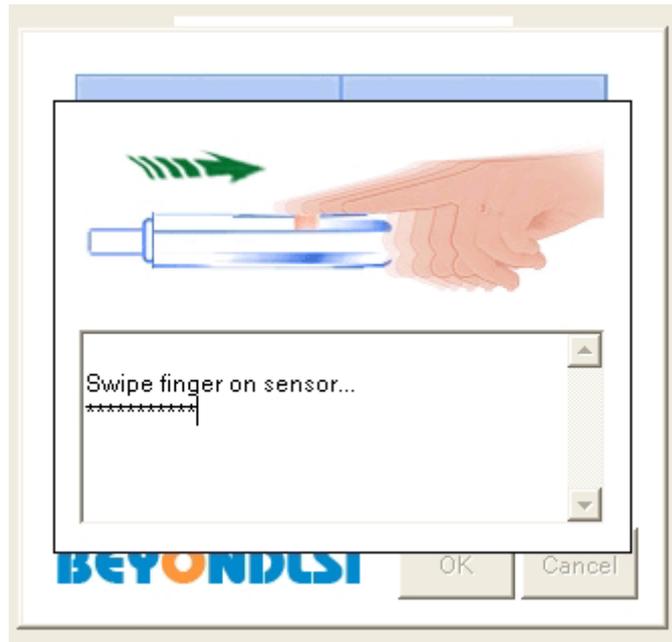
4. Click **OK**. “BeyondLSI Enterprise NMAS” dialog box appear, click **Enroll**



5. Select the fingerprint that you want to enroll > click **OK**

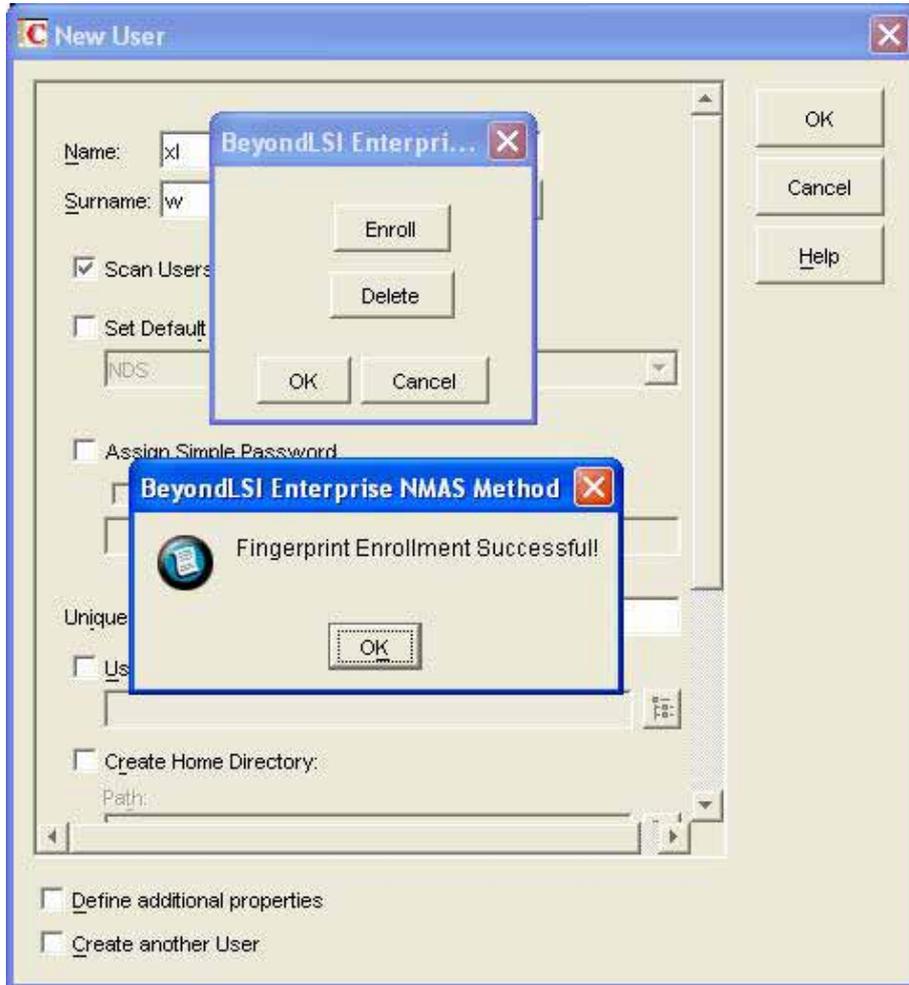


6. Swipe the finger(s) on sensor three times



7. When a successful fingerprint has been enrolled, click **OK**

8. The “Fingerprint Enrollment Successful!” dialog box will appear. Click **OK**. Next the “BeyondLSI Enterprise NMAS” dialog box will appear. Click **OK**.



9. The “Set Password” dialog box will appear. Insert the user’s NDS login password and click **OK**.



10. The new user object has now been created in the container in eDirectory.



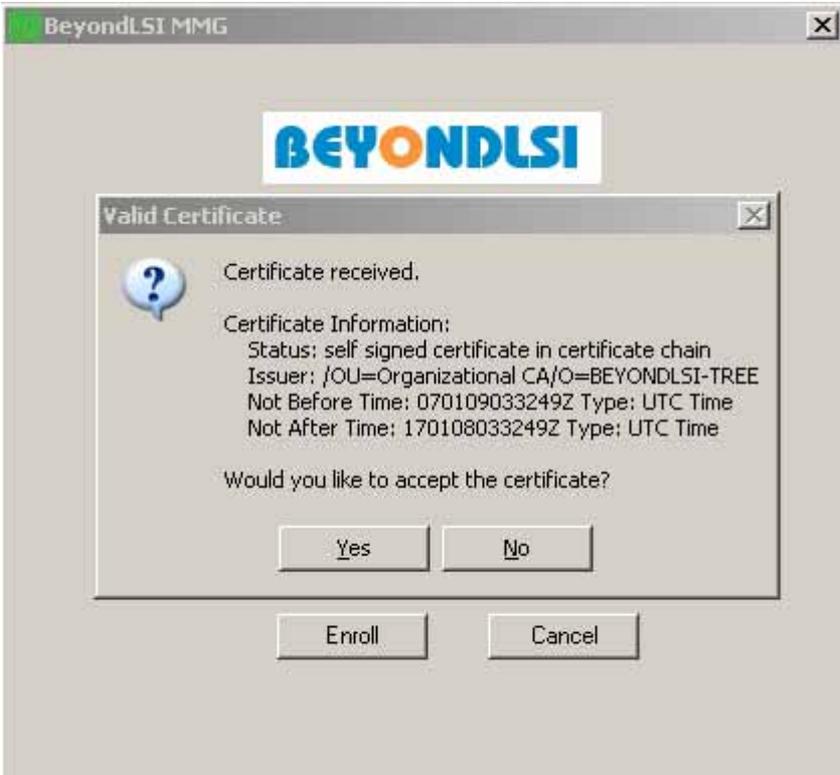
3.2. Enrolling fingerprints for existing NDS users

1. Double click the shortcut icon “BeyondLSI MMG” located on your Desktop. Use the application to authenticate to eDirectory using your NDS password and click **Enroll**



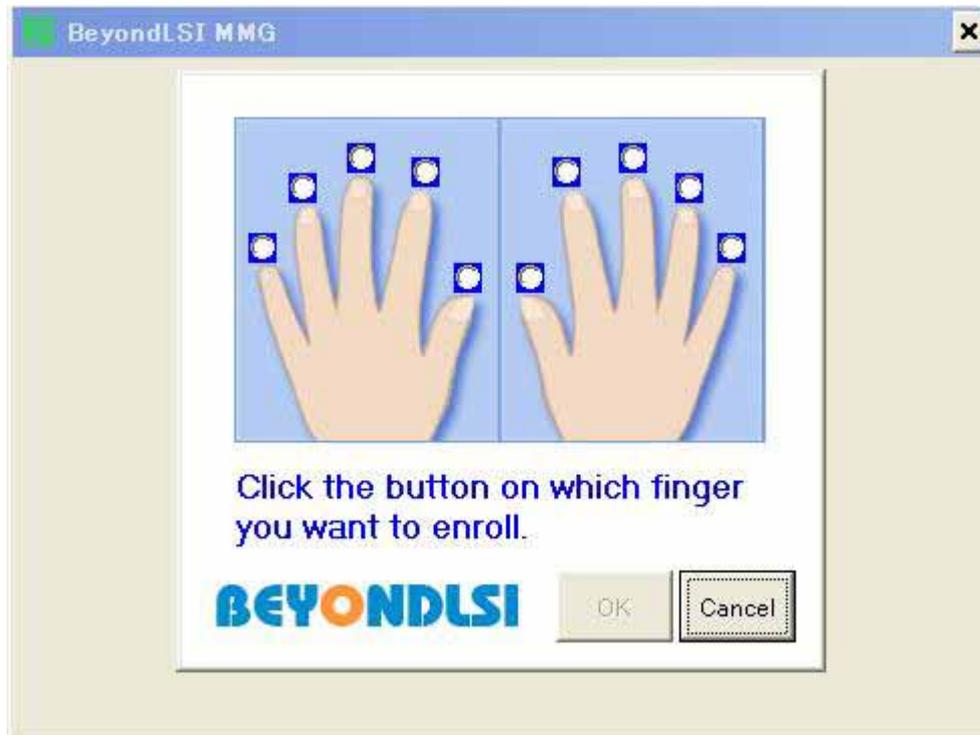
The screenshot shows the "BeyondLSI MMG" application window. At the top is the "BEYONDSLSI" logo. Below the logo are four input fields: "Host Address" with the value "192.168.20.70", "Port" with the value "636", "User's LDAP DN (example: cn=dsmith,ou=sales,o=corp)" with the value "cn=test2,o=novell", and "Password" with the value "****". At the bottom of the window are two buttons: "Enroll" and "Cancel".

2. The “Valid Certificate” dialog box will appear. Click **Yes** to accept the certificate.

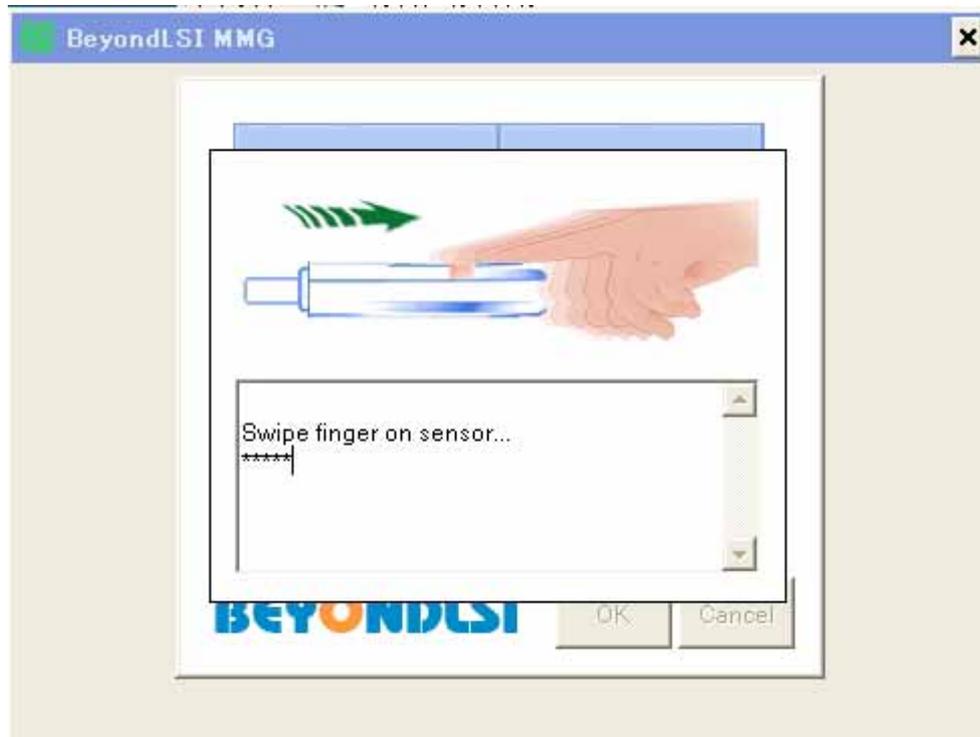


The screenshot shows the "BeyondLSI MMG" application window with a "Valid Certificate" dialog box overlaid. The dialog box contains a question mark icon and the text "Certificate received." followed by "Certificate Information:" and the following details: "Status: self signed certificate in certificate chain", "Issuer: /OU=Organizational CA/O=BEYONDSLSI-TREE", "Not Before Time: 070109033249Z Type: UTC Time", and "Not After Time: 170108033249Z Type: UTC Time". Below this information is the question "Would you like to accept the certificate?" and two buttons: "Yes" and "No". The "Enroll" and "Cancel" buttons from the main application window are also visible at the bottom of the dialog box.

3. Select the fingerprints that you want to enroll. Then click **OK**



4. Swipe the selected finger(s) on sensor three times.



5. When a successful fingerprint has been enrolled, click **OK**



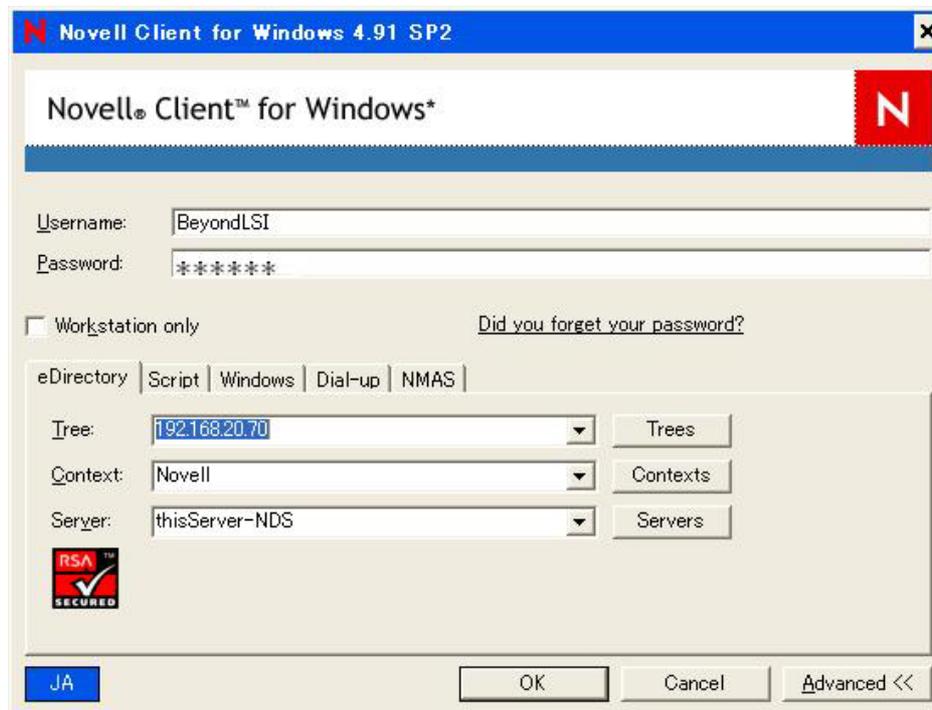
6. The "Enrollment Successful! Results" dialog box will appear. Click **OK**



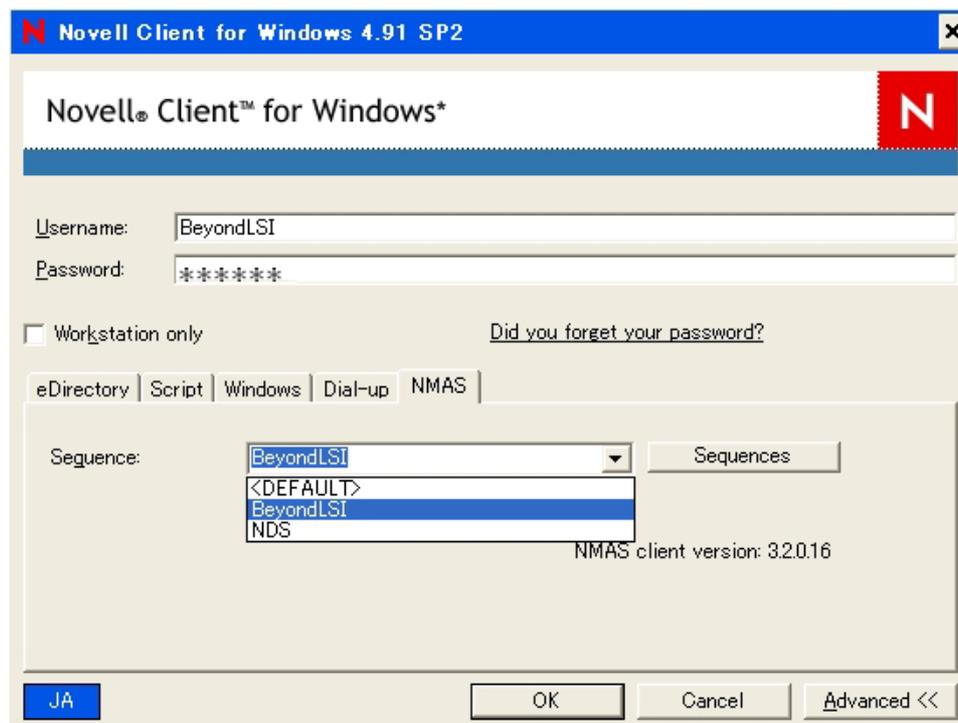
3.3. Login to Novell Netware Network by BeyondLSI Login Method

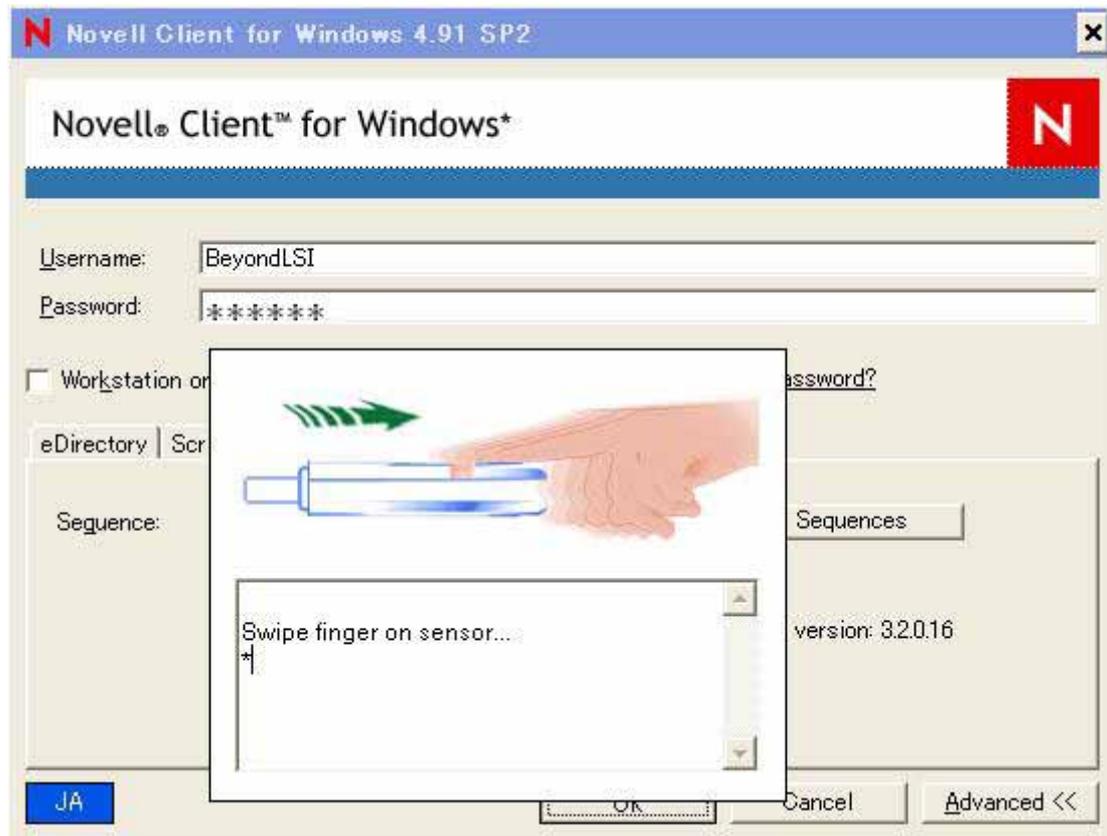
- Logoff status on the PC

When your windows user name is the same as your NDS user name, insert your windows password, fill in the Tree and Context. Server information for accessing eDirectory, or use the drop down arrows to select the information for Tree, Context, and Server.



Switch the login method by selecting the “Sequence” to the BeyondLSI login method and click **OK**.

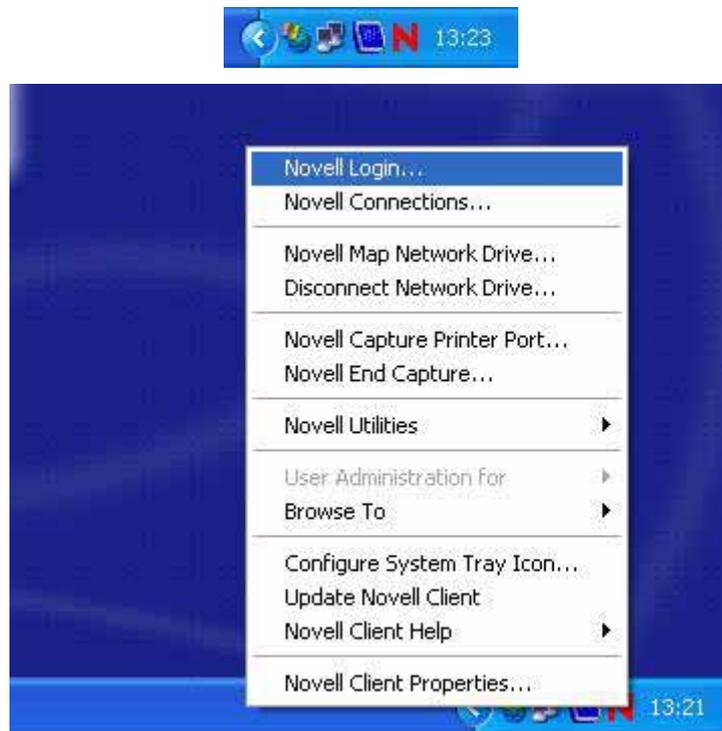




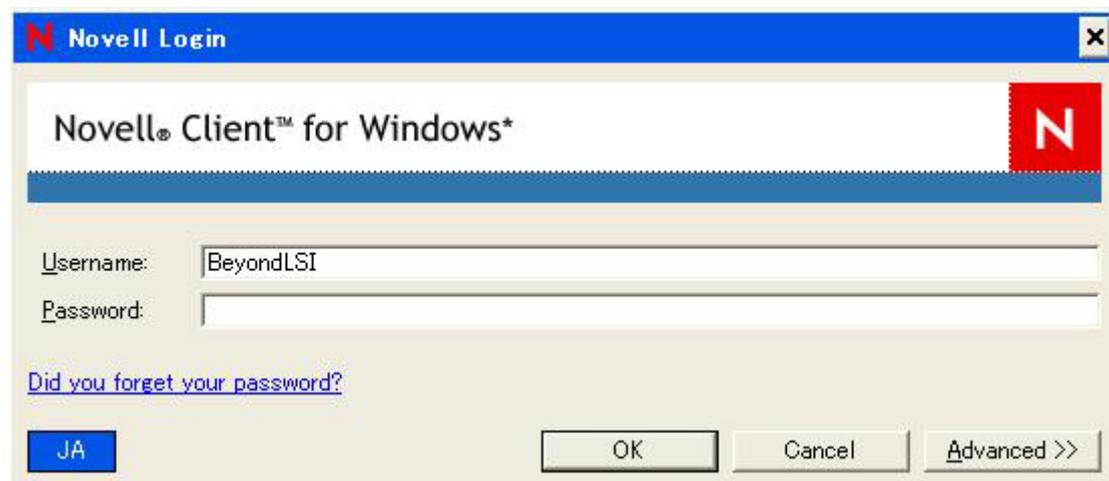
Swipe your enrolled finger on the sensor, if the fingerprint identification is successful, you will be logged onto the PC and have access to your Novell Network

- Logon status on your PC

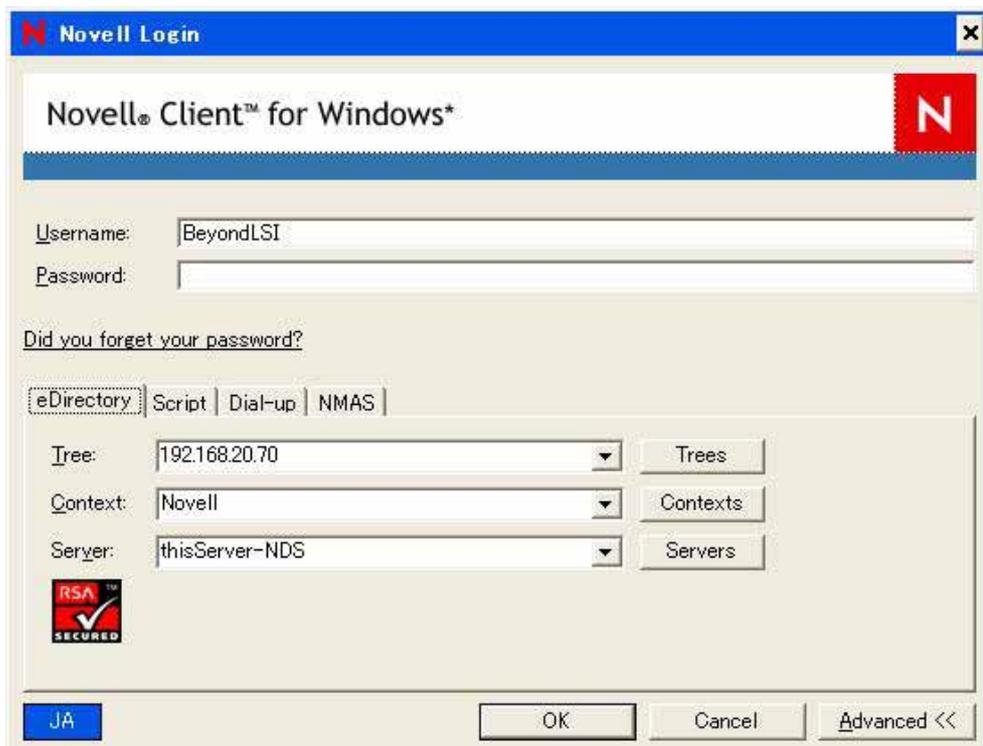
When you have logged onto your PC but have not logged onto your Novell Network Network, you can Right-click the Red **N** icon in the task tray and click **Novell Login**.



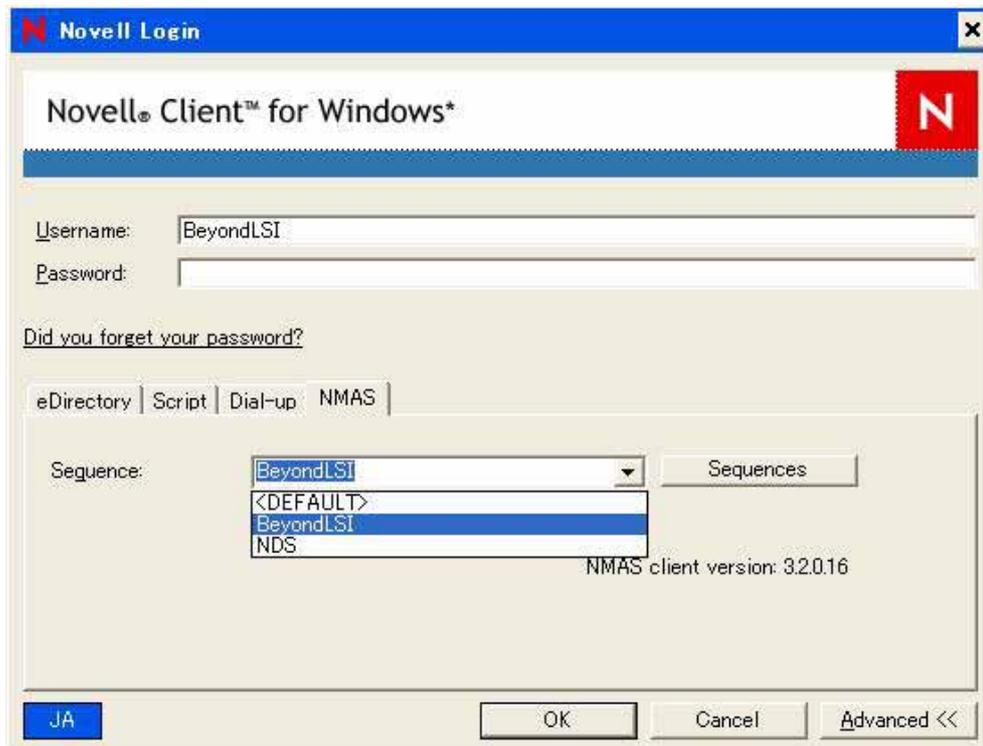
Click the **Advanced** button.

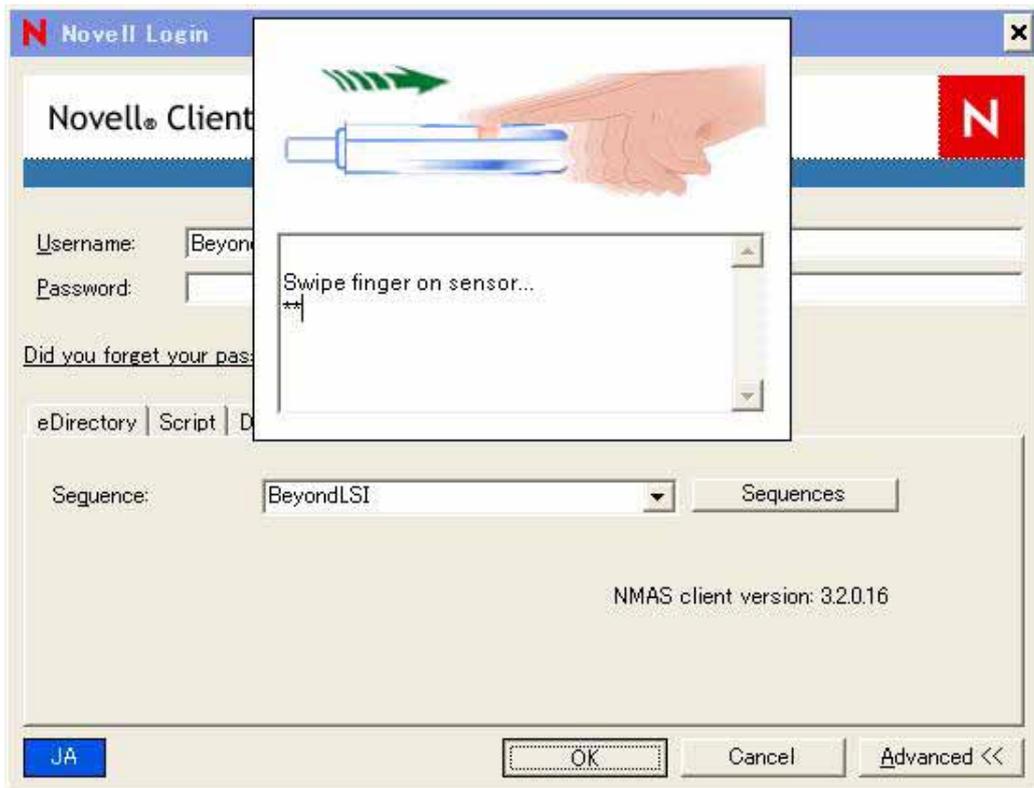


Insert your NDS user name, fill in the Tree and Context. Server information for accessing eDirectory, or use the drop down arrows to select the information for Tree, Context, and Server.



Switch the login method by selecting the “Sequence” to the BeyondLSI login method and click **OK**.

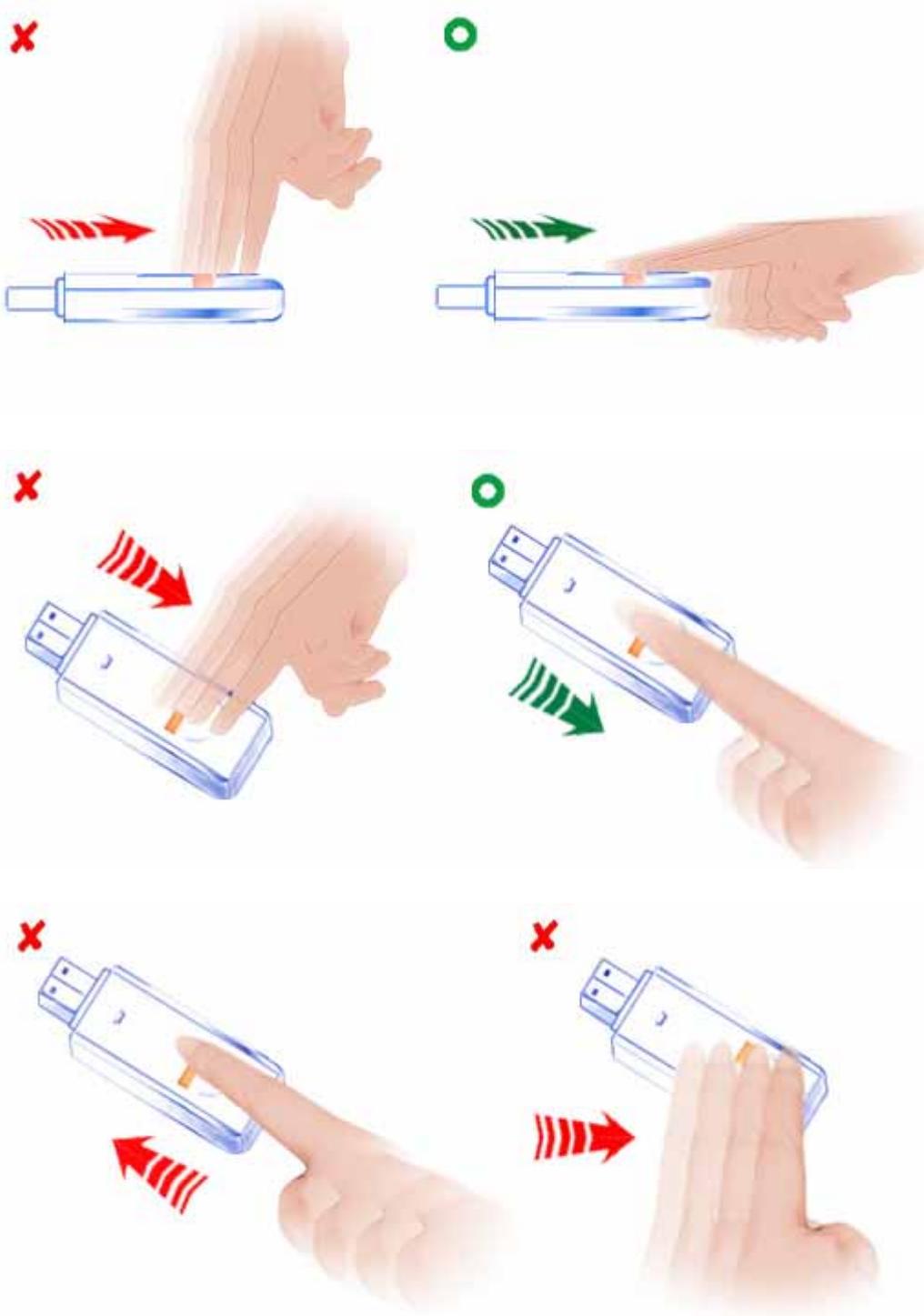




Swipe your enrolled finger on the sensor, if the fingerprint identification is successful, you will be logged onto the PC and have access to your Novell Network

4. Correct way to swipe a finger across the sensor

✘ Wrong ○ Correct



Place the finger on the sensor making sure your finger is parallel with the sensor and swipe (down) the finger across the sensor at a normal speed.