BeyondLSI NMAS For BL-FkeyC User Manual



BeyondLSI, Inc.

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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.

BeyondLSI NMAS Client 2.1	InstallShield Wizard	X
The wizard is ready to begin ins	tallation.	
	Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit th wizard.	he
InstallShield	< Back Install Cancel	

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

BeyondLSI NMAS Client 2.1 -	InstallShield Wizard
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed BeyondLSI NMAS Client 2.1. Before you can
	Ves. I want to restart my computer now.
	Remove any disks from their drives, and then click Finish to complete setup.
InstallShield	K Back Finish Cancel

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.

Found New Hardware Wizard		
	Welcome to the Found New Hardware Wizard This wizard helps you install software for: Fujitsu USB MBF320 Fingerprint Sensor	
	If your hardware came with an installation CD or floppy disk, insert it now.	
	What do you want the wizard to do? Install the software automatically (Recommended) Install from a list or specific location (Advanced)	
	Click Next to continue.	
	K Back Next > Cancel	

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\D*river\ and click **OK**.

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

Please choose your search and installation options.		
⊙ <u>S</u> ear	ch for the best driver in these locations.	
Use t paths	he check boxes below to limit or expand the default search, which includes local and removable media. The best driver found will be installed.	
	Search removable media (floppy, CD-ROM)	
	Include this location in the search:	
	C:\Program Files\BeyondLSI\BeyondLSI NMAS Clie 😽 🛛 🛛 🛛 😽	
O Don'i	search I will choose the driver to install	
Choo the d	se this option to select the device driver from a list. Windows does not guarantee the iver you choose will be the best match for your hardware.	
	<pre>< <u>B</u>ack <u>N</u>ext > Cancel</pre>	

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 ConsleOne 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.

Novell	Client [™] for Windows [*]	N
Username:	admin	
- Porenard:	*****	

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

C Novell ConsoleOne	
File Edit View Wizards Tools Help	
R	
My World Provide Pr	ds
User: Admin.novell	Tree: VMN2000

3. Right-click the Authorized Login Methods container.

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

C Novell ConsoleOne			
File Edit View Wizards	Tools Help		
	🔇 🐔 条 🕼	a * 0	
My World My World More NDS Min Security Min Security Min Security Min Security Min Security	C3B03AA6A-NDS	[®] NDS	
🗄 🚭 Author	New	Object	
中-🥘 CRI C	Rename	Group	
E 😭 Issuer	Delete NDS Object	User	
E SAP	Move	Organizational Unit	
user: Admin.novell	Trustees of this Object Extensions of this Object Rights to Other Objects	2000	1 items ≢

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

ОК
Help

6. 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

7. On the license agreement page, click Accept, then click Next.

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		BEYONDLSI PROVIDES THIS BEYONDLSI NMAS CLIE SOFTWARE "AS IS" WITHOUT WARRANTY OF ANY K EITHER EXPRESS OR IMPLIED, INCLUDING BUT NO

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



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



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.

N Novell	Login	
Novella	» Client™ for Windows*	Ν
<u>U</u> sername: <u>P</u> assword: <u>Did you for</u> ZH	admin ****** get your password? OK Cancel	Advanced >>)

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

C Novell ConsoleOne	
<u>File Edit View Wizards Tools Help</u>	
R C D D C C C S	🚓 🌊 😼 📦
My World D P P P P P P P P P P P Security	 Admin WINXP01-NDS WINXP01-NDS-PS LDAP Server - WINXP0
吐···· 焉 Winxp <u>N</u> ew <u>R</u> ename	Object
Delete NDS Object	User
Move <u>T</u> rustees of this Object <u>E</u> xtensions of this Object Rights to Other Objects <u>Vi</u> ews <u>S</u> et As Root <u>P</u> roperties	Organizational Unit SL CertificateDNS - W SL CertificateIP - WIN
	12 items 🗐
User: Admin.WinXpTreeServer	Tree: WINXPTREE

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

	<u>^</u>	ok.
Name:		
Surname:		Cancel
		Heln
Scan Users Fingerprint		
🧮 Set Default Login Sequence		
NDS	Ψ	
Assign Simple Password		
Force Password Change		
Unique ID:		
Unique ID:		
Unique ID:		
Unique ID: Use template:	<u><u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u>	
Unique ID: Use template:		
Unique ID: Use template:		
Unique ID: Use template:		

No. 1	ок
	Cancel
Scan Users Fir Beyond SI Enterpri	
E Set Default Log	
NDS.	
Delete	
Assign Simple	
OK Cancel	
Unique ID: XI	-
Use template:	
Create Home Directory:	
Patr.	*

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 ${\bf OK}$

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

Nama: VI B	evondLSI Enterpri 🔀	ок
Surname: W		Cancel
-	Enroll	Help
I∕ Scan Users	Delete	
F Set Default		
INDS	OK Cancel	
C Assian Simple	Password	
F BeyondL	SI Enterprise NMAS Method 🔀	
	ingerprint Enrollment Successful	
Unique	OK	
		5.1
	-	
Path:	irectory:	-1
(····		

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

Nov	ell.	
<u>N</u> ew Password <u>R</u> etype Passwo	: rd:	

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

C Novell ConsoleOne		
<u>File E</u> dit <u>V</u> iew <u>W</u> izards <u>T</u> ools <u>H</u> elp		
<u>* < 5 5 6 7 8 7 *</u>	44760	
My World My World My NDS MinXPTREE MinXpTreeServer MinXpTreeServer MinXP01-NDS	 Admin X WINXP01-NDS WINXP01-NDS-PS LDAP Server - WINXP0 LDAP Group - WINXP0 Http Server - WINXP01 SAS Service - WINXP01 DNS AG WINXP01 - WI IP AG 192.168.0.126 SSL CertificateDNS - W SSL CertificateIP - WIN SNMP Group - WINXP0 	13 items 載
User: Admin.WinXpTreeServer		

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**

🛞 BeyondLSI MMG			×
	BEYONDL	SI	
Host Ad 192.168.	dress 20.70	Port 636	
User's L	DAP DN (example: cn=dsmith	, ou=sales,o=corp)	
cn=test; Passwor	2,o=novell		
****	5		
	Enroll	Cancel	

2. The "Valid Certificate" dialog box will appear. Click Yes to accept the certificate.

	BEYOND	LSI
Valid Cer	tificate	×
?	Certificate Information: Status: self signed certific. Issuer: /OU=Organization Not Before Time: 0701090 Not After Time: 17010803 Would you like to accept the	ate in certificate chain al CA/O=BEYONDLSI-TREE 33249Z Type: UTC Time 3249Z Type: UTC Time certificate? <u>No</u>
	Enroll	Cancel

BeyondL	SI MMG
	Click the button on which finger you want to enroll.
	BEYONDLSI OK Cancel

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

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

Swipe finger on sensor

"#8" fingerprint enroll Successful

5. When a successful fingerprint has been enrolled, click \mathbf{OK}

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

Host Address	Port	
192.168.20 Results	× 636	
User's LD Cn=peng,c Enrollment	Successful	
Password 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.

Novell (Olient for Windows 4.9	01 SP2		×
Novella	₀ Client [™] for Windo)WS*		Ν
<u>U</u> sername:	BeyondLSI			
<u>P</u> assword:	*****			
┌─ Wor <u>k</u> statio	on only	<u>Did you forget</u>	your password?	
eDirectory	Script Windows Dial-up	NMAS		
<u>T</u> ree:	192.168.20.70	•	Trees	
<u>C</u> ontext:	Novell	•	Contexts	
Ser <u>v</u> er:	thisServer-NDS	•	Servers	
RSA 7				
SECURED				
		2	-	
JA		OK	Cancel	<u>A</u> dvanced <<

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

Novell Cli	ient for Windows 4.91 SP2	×
Novell® (Client™ for Windows*	Ν
<u>U</u> sername: <u>P</u> assword:	BeyondLSI *****	
Wor <u>k</u> station	only crint Windows Dial-un NMAS	<u>Did you forget your password?</u>
Seguence:	BeyondLSI BeyondLSI BeyondLSI NDS	▼ Sequences NMAS client version: 32.0.16
JA		OK Cancel <u>A</u> dvanced <<

Novell Cli	ent for Windows 4.91 SP2	
Novell® C	lient™ for Windows*	N
<u>J</u> sername:	BeyondLSI	
assword	****	
Wor <u>k</u> station o	or NND	assword?
Directory So Seguence:		Sequences
	Swipe finger on sensor	version: 3.2.0.16
		<u>+</u>
JA	L. OK	Cancel Advanced <<

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 Netware Network

• Logon status on your PC

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



Click the **Advanced** button.

Novell®	Client [™] for Windo	ows*	Ν
<u>U</u> sername:	BeyondLSI		
Decement	E		

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.

Novell	Login			×
Novell	₅ Client [™] for Windows'			Ν
<u>U</u> sername:	BeyondLSI			
<u>P</u> assword:				
id you forge	at your password?			
eDirectory	Script Dial-up NMAS			
<u>T</u> ree:	192.168.20.70	<u> </u>	Trees	
<u>C</u> ontext:	Novell		Contexts	
Ser <u>v</u> er:	thisServer-NDS	<u> </u>	Servers	
RSA				
SECURED				
JA		ОК	Cancel	Advanced <<

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

Novell L	ogin 🗙
Novell₀	Client [™] for Windows*
<u>U</u> sername:	BeyondLSI
Password: Did you forget	your password?
eDirectory	Script Dial-up NMAS
Seguence:	BeyondLSI Sequences
	NDS NMAS client version: 32.0.16
JA	OK Cancel <u>A</u> dvanced <<

N Novell Login Novell⊕ Clien	
Username: Beyor Password: Did you forget your pas	Swipe finger on sensor
Seguence:	BeyondLSI Sequences
JA	Cancel

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 Netware Network

- Wrong O Correct 0 1111 x 0
- 4. Correct way to swipe a finger across the sensor

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.