

# GO!NotifyLink Pre-Installation Guide

Enterprise Server Pre-Installation Checklist



## Table of Contents

<b>What's in this Document</b>	<b>3</b>
<b>System Hardware Recommendations</b>	<b>4</b>
<b>Pre-Installation Tasks</b>	<b>6</b>
<b>Port Requirements and Connection Tests</b>	<b>9</b>
CommuniGate Pro Port Requirements and Connection Tests.....	10
Exchange Port Requirements and Connection Tests.....	11
FirstClass Port Requirements and Connection Tests.....	12
GroupWise Port Requirements and Connection Tests.....	13
Kerio Port Requirements and Connection Tests .....	14
MDaemon Port Requirements and Connection Tests .....	15
Meeting Maker Port Requirements and Connection Tests.....	16
Mirapoint Port Requirements and Connection Tests.....	17
Oracle Communications Unified Communications Suite Port Requirements and Connection Tests .....	18
Oracle Port Requirements and Connection Tests .....	20
Scalix Port Requirements and Connection Tests .....	21
Sun Java Enterprise System Port Requirements and Connection Tests	22
Zimbra Port Requirements and Connection Tests .....	24
<b>Enterprise Server Software Installation</b>	<b>25</b>
<b>Post Installation Tasks</b>	<b>27</b>
Server Configuration .....	27
User and Device Activation .....	28

# What's in this Document

This document serves to guide you through a three-stage process for getting started with *GO!NotifyLink Enterprise Server* (GO!NLES) software.

- Baseline hardware requirements
- Preparing for the GO!NLES software installation
- Installing the GO!NLES software
- Activating your user devices

The Globo Mobile Technologies Technical Support team is available to assist you through each of these stages, via a series of scheduled calls. Other good resources for getting questions answered are the product's [release notes](#) and the [GO!NotifyLink Knowledge Base](#). We encourage you to take advantage of these services. You'll be up and running in no time. Welcome to the *GO!NotifyLink* family!

## Terms / Acronyms used in this guide

GO!NLES = GO!NotifyLink Enterprise Server

Web/HTTP = Server running the GO!NLES Web Component

Messaging = Server running the GO!NLES Messaging Component

SQL DB = Server running the GO!NLES Database Component

PIM = Personal Information Management, refers to Calendar, contact, and task data

# System Hardware Recommendations

*GO!NotifyLink Enterprise Server (GO!NLES)* requires three components to function:

- SQL Database Component
- Web/HTTP Server Component
- Messaging Server Component

The information in this section outlines the system hardware recommendations/guidelines for an GO!NLES system. It is important to note that minimum requirements will vary depending on the factors which make up your environment, such as:

1. Whether you plan to have a single or multiple GO!NLES server configuration.
2. The email and PIM usage of the users.
3. The number of ActiveSync messaging based devices versus *GO!NotifyLink* messaging devices.
4. The type of collaboration suite software you are using.
5. Drive speed.
6. Log and Database size.

An additional factor that can limit the performance of GO!NLES is the use of Microsoft SQL Express. SQL Express will allow a database with a maximum size of 4GB. ActiveSync devices retain a larger amount of data in the logs and databases, which can result in a 4GB database being filled quite quickly. We recommend that users in this situation install a full version of Microsoft SQL for the GO!NLES SQL component.

## Before installing GO!NLES you must have:

One of the following **Windows Server Operating System** versions:

2012, 2008 R2 SP1, 2008 with SP2, 2003 R2 x64, or 2003  
Or  
VMWare 3.0 or VMWare vSphere 4.0/4.1 (recommended)

One of the following **Microsoft SQL Server** versions:

2012 up to SP1, 2008 R2, 2008 R2 with SP1, 2008 with SP3, 2008 with SP2, 2008 with SP1, 2005 with SP4, or 2005 with SP3

One of the following **Web Servers**:

Microsoft Internet Information Server (IIS): English Versions 8.0, 7.5, 7.0, or 6.0  
OR  
Apache: Version 2.2.x

## Recommended baseline hardware requirements:

	250 Users		500 Users		1000 Users	
<b>Processors</b>	Dual Core Processors or better		Quad Core Processors or better		Quad Core Processors or better	
<b>RAM</b>	2 GB RAM (minimum) 4GB RAM (recommended)		4 GB RAM (minimum)		4 GB RAM (minimum) <ul style="list-style-type: none"> <li>• Windows 2003 and 2008 32 bit versions. Standard Edition and Small Business Servers Editions will only support 4 GB of memory.</li> <li>• Windows 2003 and 2008 32 bit versions. Enterprise and Advanced server editions do not have the 4 GB limitation.</li> <li>• Windows 2003 and 2008 64 bit versions will support up to 32 GB of memory. Enterprise and Advanced server editions do not have the 4 GB limitation.</li> </ul>	
<b>Free Hard Drive Space</b>	30 GB± free hard drive space (minimum)		60 GB± free hard drive space (minimum) To reduce I/O we recommend the following hard drive setup: <ul style="list-style-type: none"> <li>• 1 drive dedicated to SQL (NL database's mdf &amp; ldf files)</li> <li>• 1 drive dedicated to remainder of the data</li> </ul>		80 GB± free hard drive space (minimum) To reduce I/O we recommend the following hard drive setup: <ul style="list-style-type: none"> <li>• 1 drive dedicated to SQL (NL database's mdf &amp; ldf files)</li> <li>• 1 drive dedicated to Log files</li> <li>• 1 drive dedicated to the remainder of the data</li> </ul>	
<b>Stats recorded from production environment</b>	250 Active Users GO!NLES Logs:	~13GB	500 Active Users GO!NLES Logs:	~17GB	1000 Active Users GO!NLES Logs:	~28GB
	DB:	~18GB	DB:	~28GB	DB:	~49GB
	Total HD space:	~31GB	Total HD space:	~45GB	Total HD Space:	~77GB

# Pre-Installation Tasks

1.  Check the software requirements and supported versions for:
  - [CommuniGate Pro](#)
  - [Exchange](#)
  - [FirstClass](#)
  - [GroupWise](#)
  - [Kerio](#)
  - [MDaemon](#)
  - [Meeting Maker](#)
  - [Mirapoint](#)
  - [Oracle](#)
  - [Oracle Communications Unified Communications Suite](#) (formerly Sun JCS)
  - [Scalix](#)
  - [Sun Java Enterprise System](#)
  - [Zimbra](#)
  
2.  Review the [Enterprise Server Installation Guide](#)
  
3.  Consider **Hardware Configuration** possibilities.

The GO!NLES involves installation of three components:

  - Database
  - Web/HTTP
  - Messaging

The three components may be installed on one, two or three separate servers depending on a variety of factors. Information to help you make these decisions can be found in the [Installation Guide](#) under *System Architecture*.
  
4.  Consider **System Requirements**.

See the [Installation Guide](#) under *System Requirements*.

5.  Consider the **use of SSL** with your Web/HTTP Server.\*

If you will be using SSL with your Web/HTTP Server, the following secure certificates have been tested and confirmed to work with all supported *GO!NotifyLink* devices.

- [VeriSign/RSA Secure Server CA](#): “Secure Site” or “Secure Site Pro”
- [Thawte Server CA](#): “SSL Web Server Certificate”

\* *GO!NotifyLink* now supports SSL on Apache. See [Knowledge Base article](#) for Apache configuration requirements

6.  **Software Prerequisites** for *GO!NotifyLink* Installation. Install English versions **only**.

- **On any server where a *GO!NotifyLink* component will be installed**, install one of the following:

- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2 SP1
- Windows Server 2008 with SP2
- Windows Server 2003 R2 x64
- Windows Server 2003

Apply all *Windows Server* updates as well.

‡ [Setup instructions for Windows 2008 x64 or 2012](#); [More Windows Server 2008 information](#)

\* [Setup instructions for Windows 2003 R2 x64](#)

- The *GO!NotifyLink Enterprise Server* is also supported on any of the above operating systems running as a virtual machine.  
VMWare 3.0 or VMWare vSphere 4.0/4.1 (recommended)

- **On any server where the *GO!NotifyLink* Messaging or Web components will be installed**:

- Prior to or after the installation of *GO!NLES* v4.9, users are advised to apply the **Microsoft Visual C++ 2005 Redistributable Package**. See [Knowledge Base article](#) for details.

- **On the server where *GO!NotifyLink* SQL Database will be installed**, install one of the following:

- Microsoft SQL Server 2014 (Standard Edition)
- Microsoft SQL Server 2012 up to SP1 (Standard Edition)
- Microsoft SQL Server 2008 R2 SP1 (Standard Edition),
- Microsoft SQL Server 2008 R2 (Standard Edition),
- Microsoft SQL Server 2008 SP3 (Standard Edition),
- Microsoft SQL Server 2008 SP2 (Standard Edition),
- Microsoft SQL Server 2008 SP1 (Standard Edition),
- Microsoft SQL Server 2005 SP3 (Standard Edition) or
- Microsoft SQL 2008 Web Edition

Use **Mixed Mode Authentication**, as it is required for the *GO!NotifyLink* SQL Server. Make note of the SA password.

- **On the server where GO!NotifyLink Web Component will be installed:**

- Install IIS **OR** Apache.  
Supported Microsoft IIS versions 8.0, 7.5, 7.0, or 6.0  
Supported Apache versions – 2.2.x

- **For GroupWise Users:**

**On the server where GO!NotifyLink Messaging Component will be installed:**

-Install the **GroupWise Client** See step 1 for supported versions.

**Note:** Login once to activate.

-Install **Novell Client** only if you are going to register *GO!NotifyLink* as a trusted application - Supported for GroupWise 6.5 or later.

**Note:** Login once with administrator credentials to activate.

- **For Exchange Users:**

**Verify that WebDAV is enabled**

PIM information is accessed using the WebDAV protocol. This protocol runs over HTTP and cannot be turned off, thus HTTP must be enabled for WebDAV to work. In addition, to use WebDAV to access Exchange, the HTTP server must have a virtual directory for Exchange, i.e. Exchange has to be exposed through the HTTP server.

Verify that WebDAV is enabled by entering the following address in a web browser:

<ip address of the mail server>:<port that is used for HTTP>/exchange

If you get the NT authentication prompt, WebDAV is enabled and PIM will be able to process.

- **For Meeting Maker Users:**

**On a server that best suits your configuration:**

Download and install the Meeting Maker Sync Servlet. (See step 1 for supported version.)

7.  **[Port Requirements and Port Connection Tests](#)**



# Port Requirements and Connection Tests

Select a Collaboration Suite below. Verify the port requirements and perform testing prior to installing the *GO!NotifyLink Enterprise Server* components.

- [CommuniGate Pro](#)
- [Exchange](#)
- [FirstClass](#)
- [GroupWise](#)
- [Kerio](#)
- [MDaemon](#)
- [Meeting Maker](#)
- [Mirapoint](#)
- [Oracle Communication Unified Communications Suite](#)
- [Oracle](#)
- [Scalix](#)
- [Sun Java Enterprise](#)
- [Zimbra](#)

---

# CommuniGate Pro Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

### Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)**    `telnet <Web Server DNS> 80`

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)**            `telnet <LDAP Server IP> 389`
- **SQL Server (port 1433)**            `telnet <Database Server IP> 1433`

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)**            `telnet <Database Server IP> 1433`
- **GO!NLES Web Server (port 80)**    `telnet <Web Internal IP> 80`
- **IMAP Server (port 143)**            `telnet <IMAP Server IP> 143`
- **SMTP Server (port 25)**            `telnet <SMTP Server IP> 25`  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)

You are now ready to install the GO!NotifyLink Enterprise Server software.

---

# Exchange Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

**Firewall Rules/Policies Needed for GO!NLES Components**

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server (Exchange Server)	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging	PIM Server (Exchange Server)	80 or 443	HTTP or HTTPS
Messaging	LDAP	389 or 636	LDAP* or LDAPS*
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)**    `telnet <Web Server DNS> 80`

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)**    `telnet <LDAP Server IP> 389`
- **SQL Server (port 1433)**    `telnet <Database Server IP> 1433`

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)**    `telnet <Database Server IP> 1433`
- **GO!NLES Web Server (port 80)**    `telnet <Web Internal IP> 80`
- **IMAP Server (port 143)**    `telnet <IMAP Server IP> 143`
- **SMTP Server (port 25)**    `telnet <SMTP Server IP> 25`  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)
- **PIM Server (port 80)**  
**Note:** The PIM Server is the server used when you log in to Outlook Web Access. To test the connection, open a browser and connect to:  
Standard Port (80): `http://<PIM Server IP or domain name>/Exchange`  
Non-Standard Port: `http://<PIM Server IP or domain name>:<port#>/Exchange`

**You are now ready to install the GO!NotifyLink Enterprise Server software.**

---

# FirstClass Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

### Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging	PIM Server (SyncML)‡	80 or 443	HTTP or HTTPS
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

‡ Both *Web Services* and *Synchronization Services* default to use port 80. In cases where both services are running on the same machine, you will want to change the *Synchronization Services* to use port 8080 instead.

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)** telnet <Web Server DNS> 80

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)** telnet <LDAP Server IP> 389
- **SQL Server (port 1433)** telnet <Database Server IP> 1433

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)** telnet <Database Server IP> 1433
- **GO!NLES Web Server (port 80)** telnet <Web Internal IP> 80
- **IMAP Server (port 143)** telnet <IMAP Server IP> 143
- **SMTP Server (port 25)** telnet <SMTP Server IP> 25  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)
- **PIM Server (port 80)** telnet <PIM Server IP> 80

You are now ready to install the GO!NotifyLink Enterprise Server software.

---

# GroupWise Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

### Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server, GroupWise: PO	143 or 993	IMAP or IMAP SSL
Messaging	GroupWise SMTP server	25 or 465	SMTP or SMTPS**
Messaging	GroupWise:PO	1677	GW Api
Web/HTTP	GroupWise:LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)** telnet <Web Server DNS> 80

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)** telnet <LDAP Server IP> 389
- **SQL Server (port 1433)** telnet <Database Server IP> 1433

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)** telnet <Database Server IP> 1433
- **GO!NLES Web Server (port 80)** telnet <Web Internal IP> 80
- **IMAP Server (port 143)** telnet <IMAP Server IP> 143

**Note:** If this test fails, contact your GroupWise Administrator to verify that IMAP has been enabled on the PO.

- **SMTP Server (port 25)** telnet <GroupWise SMTP Server IP> 25

**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.) This is done in Console One.

- **GroupWise PO (port 1677)** telnet <IMAP Server IP> 1677

**Note:** You can also perform this test by opening the GroupWise Client on the server running the GO!NotifyLink Messaging component and logging in.

---

# Kerio Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

### Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging	PIM Server	80 or 443	HTTP or HTTPS
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)** telnet <Web Server DNS> 80

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)** telnet <LDAP Server IP> 389
- **SQL Server (port 1433)** telnet <Database Server IP> 1433

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)** telnet <Database Server IP> 1433
- **GO!NLES Web Server (port 80)** telnet <Web Internal IP> 80
- **IMAP Server (port 143)** telnet <IMAP Server IP> 143
- **SMTP Server (port 25)** telnet <SMTP Server IP> 25  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)
- **PIM Server (port 80)** telnet <PIM Server IP>/exchange 80

You are now ready to install the GO!NotifyLink Enterprise Server software.

---

# MDaemon Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

### Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging	PIM Server (SyncML)	3000 or HTTPS Port	HTTP or HTTPS
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)**    `telnet <Web Server DNS> 80`

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)**            `telnet <LDAP Server IP> 389`
- **SQL Server (port 1433)**            `telnet <Database Server IP> 1433`

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)**            `telnet <Database Server IP> 1433`
- **GO!NLES Web Server (port 80)**    `telnet <Web Internal IP> 80`
- **IMAP Server (port 143)**            `telnet <IMAP Server IP> 143`
- **SMTP Server (port 25)**            `telnet <SMTP Server IP> 25`  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)
- **PIM Server (port 3000)**            `telnet <PIM Server IP> 3000`

**You are now ready to install the GO!NotifyLink Enterprise Server software.**

---

# Meeting Maker Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

### Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging	PIM Server	8080 or 8443	HTTP or HTTPS
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)**    `telnet <Web Server DNS> 80`

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)**    `telnet <LDAP Server IP> 389`
- **SQL Server (port 1433)**    `telnet <Database Server IP> 1433`

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)**    `telnet <Database Server IP> 1433`
- **GO!NLES Web Server (port 80)**    `telnet <Web Internal IP> 80`
- **IMAP Server (port 143)**    `telnet <IMAP Server IP> 143`
- **SMTP Server (port 25)**    `telnet <SMTP Server IP> 25`  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)
- **PIM Server (port 8080)**    `telnet <PIM Server IP> 8080`

**You are now ready to install the GO!NotifyLink Enterprise Server software.**



---

# Mirapoint Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging	Mirapoint Message Server	80 or 443	HTTP or HTTPS
Web/HTTP	Mirapoint Message Server	10143	Mirapoint proprietary*
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

Test an external connection to . . .

- **GO!NLES Web Server (port 80)** telnet <Web Server DNS> 80

Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)** telnet <LDAP Server IP> 389
- **SQL Server (port 1433)** telnet <Database Server IP> 1433
- **Mirapoint Message Server (port 10143)**  
**Note:** An open connection will allow the user list to populate for the **Add New User** page. Otherwise you will have to add user information manually.

telnet <MP Message Server IP> 10143

Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)** telnet <Database Server IP> 1433
- **GO!NLES Web Server (port 80)** telnet <Web Internal IP> 80
- **IMAP Server (port 143)** telnet <IMAP Server IP> 143
- **SMTP Server (port 25)** telnet <SMTP Server IP> 25  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)

You are now ready to install the GO!NotifyLink Enterprise Server software.

---

# Oracle Communications Unified Communications Suite Port Requirements and Connection Tests

(Formerly known as Sun Java Communications Suite or Sun JCS)

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

### Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging	Communications Express (Contact Server)	80 or 443	HTTP or HTTPS
Messaging	Calendar Express (Calendar/Task Servers)	3080 or 4445	HTTP or HTTPS
Messaging	CalDAV	8080 or 8443	HTTP or HTTPS
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)** telnet <Web Server DNS> 80

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)** telnet <LDAP Server IP> 389
- **SQL Server (port 1433)** telnet <Database Server IP> 1433

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)** telnet <Database Server IP> 1433
- **GO!NLES Web Server (port 80)** telnet <Web Internal IP> 80
- **IMAP Server (port 143)** telnet <IMAP Server IP> 143
- **SMTP Server (port 25)** telnet <SMTP Server IP> 25

**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)

- **PIM Server for Contacts (Communications Express) (port 80)**  
telnet <PIM Server IP> 80
- **PIM Server for Calendar/Tasks (Calendar Express) (port 3080)**  
telnet <PIM Server IP> 3080

**You are now ready to install the GO!NotifyLink Enterprise Server software.**

---

# Oracle Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

**Firewall Rules/Policies Needed for GO!NLES Components**

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging †	Oracle Collaboration Suite PIM Server	7779 or 4445	HTTP or HTTPS
Messaging ‡	Oracle Beehive	7777 or 4443	HTTP or HTTPS
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

† Oracle v10.1.2.4.2, use port 7779 or 4445 only.

‡ Oracle Beehive Release 1, use port 7777 or 4443 only.

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)**    `telnet <Web Server DNS> 80`

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)**            `telnet <LDAP Server IP> 389`
- **SQL Server (port 1433)**            `telnet <Database Server IP> 1433`

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)**            `telnet <Database Server IP> 1433`
- **GO!NLES Web Server (port 80)**    `telnet <Web Internal IP> 80`
- **IMAP Server (port 143)**            `telnet <IMAP Server IP> 143`
- **SMTP Server (port 25)**            `telnet <SMTP Server IP> 25`  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)
- **Oracle PIM Server (port 7779)**    `telnet <Oracle PIM Server IP> 7779`

**You are now ready to install the GO!NotifyLink Enterprise Server software.**

---

# Scalix Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

### Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server (Scalix Server)	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging	PIM Server - calendar option (Scalix CalDAV protocol)	80 or 443	CalDAV
Messaging	LDAP	389 or 636	LDAP* or LDAPS*
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)**    `telnet <Web Server DNS> 80`

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)**            `telnet <LDAP Server IP> 389`
- **SQL Server (port 1433)**            `telnet <Database Server IP> 1433`

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)**            `telnet <Database Server IP> 1433`
- **GO!NLES Web Server (port 80)**    `telnet <Web Internal IP> 80`
- **IMAP Server (port 143)**            `telnet <IMAP Server IP> 143`
- **SMTP Server (port 25)**            `telnet <SMTP Server IP> 25`  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)
- **PIM Server (port 80 or 443)**        `telnet <Scalix Server IP> 80/443`  
(CalDAV calendar option)

You are now ready to install the GO!NotifyLink Enterprise Server software.

---

# Sun Java Enterprise System Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

### Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging	Sun Communications Express (Contact Server)	80 or 443	HTTP or HTTPS
Messaging	Sun Calendar Express (Calendar/Task Servers)	3080 or 4445	HTTP or HTTPS
Messaging	Sun CalDAV	8080 or 8443	HTTP or HTTPS
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)** telnet <Web Server DNS> 80

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)** telnet <LDAP Server IP> 389
- **SQL Server (port 1433)** telnet <Database Server IP> 1433

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)** telnet <Database Server IP> 1433
- **GO!NLES Web Server (port 80)** telnet <Web Internal IP> 80
- **IMAP Server (port 143)** telnet <IMAP Server IP> 143
- **SMTP Server (port 25)** telnet <SMTP Server IP> 25  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)

- **Sun PIM Server for Contacts (Communications Express) (port 80)**  
telnet <PIM Server IP> 80
- **Sun PIM Server for Calendar/Tasks (Calendar Express) (port 3080)**  
telnet <PIM Server IP> 3080

**You are now ready to install the GO!NotifyLink Enterprise Server software.**

---

# Zimbra Port Requirements and Connection Tests

## Port Requirements for GO!NotifyLink Installation

**Note:** Port numbers listed below are well-known default TCP port numbers, but are subject to change within your network.

### Firewall Rules/Policies Needed for GO!NLES Components

Source	Destination	Port	Service
Devices	Web/HTTP	80 or 443	HTTP or HTTPS
Messaging	Web/HTTP	80	HTTP
Web/HTTP	<a href="http://www.notify.net">www.notify.net</a>	80 or 443	HTTP or HTTPS
Web/HTTP	SQL DB	1433	ODBC-SQL
Messaging	SQL DB	1433	ODBC-SQL
Messaging	IMAP4 server	143 or 993	IMAP or IMAP SSL
Messaging	SMTP server	25 or 465	SMTP or SMTPS**
Messaging	PIM Server (Zimbra Server)	80 or 443	HTTP or HTTPS
Web/HTTP	LDAP	389 or 636	LDAP* or LDAPS*

\* Not required unless using this feature

\*\* If supported by mail server

## Telnet to Test the Port Connections

**Note:** If you DO NOT get a 'Connect Failed' message for each test, the port is open.

### Test an external connection to . . .

- **GO!NLES Web Server (port 80)**    `telnet <Web Server DNS> 80`

### Test the connection from GO!NotifyLink Web Server to . . .

- **Internet (port 80)**  
Open Internet Explorer and enter <http://www.notify.net/test.htm>  
The page will display a "Test Complete" message.
- **LDAP Server (port 389)**            `telnet <LDAP Server IP> 389`
- **SQL Server (port 1433)**            `telnet <Database Server IP> 1433`

### Test connection from GO!NotifyLink Messaging Server to . . .

- **SQL Server (port 1433)**            `telnet <Database Server IP> 1433`
- **GO!NLES Web Server (port 80)**    `telnet <Web Internal IP> 80`
- **IMAP Server (port 143)**            `telnet <IMAP Server IP> 143`
- **SMTP Server (port 25)**            `telnet <SMTP Server IP> 25`  
**Note:** Verify that relaying is enabled. (Relaying only has to be enabled from the GO!NotifyLink Messaging Server.)
- **PIM Server (port 80)**            `telnet <Zimbra Server IP> 80`

You are now ready to install the GO!NotifyLink Enterprise Server software.



# Enterprise Server Software Installation

## Before the installation:

- Have License(s) that were provided by your GO!Notify Sales Representative ready.
  - Gather the Internal and External IP addresses of your web server. Create an external DNS entry for the *GO!NotifyLink* web server.
1.  Review the [Installation Guide](#).
  2.  **Install the GO!NLES software components.**
    - Open Internet Explorer and enter <http://notifylink.notify.net/>
    - Under *Download*, choose **New Server Installation**.
    - Fill out the form and click the **Download** button.
    - Install the components, in this order, according to your configuration plan:
      - a. GO!NLES Database Component [Microsoft Redistributable for Windows Server 2003](#)
      - b. GO!NLES Web/HTTP Component
      - c. GO!NLES Messaging ComponentReference the [Installation Guide](#) under *Server Installation*.
  3.  **Install Software Patches (if available).**
    - Stop all GO!NLES services – From the Windows Control Panel choose:  
**Administrative Tools > Services** – Stop all services with the prefix GO!NLES.
    - Open Internet Explorer and enter <http://notifylink.notify.net/>
    - Under *Downloads*, choose **Software Patches** and apply the latest patch.
    - Restart all the GO!NLES services.
  4.  **Establish quick access routes to the Administrative Web and Client Web.**

Add the address to your browser's favorites or create a shortcut on your desktop.

**The address for the Administrative Web is:**  
*http://<your web server or domain name>/admin*

The Administrative Web's default username is: admin  
The Administrative Web's default password is: admin

Change this default password during your first login. Select *Server Administration > Administrative Logins*.

**The address for the Client Web is:**

*http://<your web server or domain name>/client*

Use an active user's email address and password to login once you have added user accounts.

**Proceed to the post installation tasks to configure your GO!NotifyLink system.**

# Post Installation Tasks

Once the *GO!NotifyLink* components and any applicable Patches have been installed on your server(s) you will want to access the Administrative Web console and begin configuring the *GO!NotifyLink* environment.

---

## Server Configuration

1.  Review the **Administrative Web Guide**.
2.  **Enter the Licenses or Product Key(s)** in the License Manager.
  - From the GO!NLES Administrative Web choose:  
**License Manager > Add New License**
3.  **Define the Mail Server(s)**.
  - From the GO!NLES Administrative Web choose:  
**Server Administration > Mail Servers > Add Mail Server**
  - Reference the [Administrative Web Guide](#) under *Mail Server Settings*.
4.  **Define the PIM Server(s)**.
  - From the GO!NLES Administrative Web choose:  
**Server Administration > PIM Servers > Edit PIM Server**
  - Reference the [Administrative Web Guide](#) under *PIM Server Settings*.
5.  **Define the LDAP Server(s)**.
  - From the GO!NLES Administrative Web choose:  
**Server Administration > LDAP Servers > Edit LDAP Server**
  - Reference the [Administrative Web Guide](#) under *LDAP Server Settings*.
6.  **Define Administrative Logins** (optional).
  - From the GO!NLES Administrative Web choose:  
**Server Administration > Administrative Logins > Edit Admin Levels**
  - Reference the [Administrative Web Guide](#) under *Administrative Logins*.  
**Recommendation:** Change the default *Administrative Web* login username and password.
7.  Review a full list of required and optional configuration task: [Administrative Web Guide](#) under *Configuring a New GONL Enterprise Server*.

**Proceed to the User and Device Activation tasks.**

---

# User and Device Activation

*Recommendation:* If you are deploying a large number of devices, complete steps 2 – 6 for one device and verify that data exchange paths are open with that device. Then go back to add and activate the rest. You can also have users activate their own devices (steps 5 - 6) once you have set permissions and configuration profiles and created user accounts on the server.

**Note:** Minimum requirements may vary depending on the number of iPhone/iPod touch devices on your system.

1.  Review the **Administrative Web** and the **Device User Guides**.
2.  **Determine permissions and configuration startup profiles.**

Set the rules for the Default IT Policy before you add the bulk of your users as they will determine default settings for user accounts and devices. *Server Rules* determine what information is synchronized from the *server to the device*. *Device Rules* determine what information is synchronized from *devices to the server*.

- From the GO!NLES Administrative Web select: **IT Policy Management**, select the *Default* policy and click **Edit IT Policy**  
Reference the [Administrative Web Guide](#): *Server Rules and Device Rules*

**Note:** Server and Device Rules may not all apply to ActiveSync device users operating with the *GO!NotifyLink ActiveSync Solution*. See the [Device IT Policy Comparison](#) chart for a summary of supported policies for these users.

3.  **Define User Classes** (optional). User classes allow you to categorize user into groups.
  - From the GO!NLES Administrative Web select: **User Administration**, then click on **Manage User Classes**  
Reference the [Administrative Web Guide](#) under *User Classes*.
4.  **Add device users** to the *GO!NotifyLink Enterprise Server*.
  - From the GO!NLES Administrative Web choose: **User Administration > Add New User**  
Reference the [Administrative Web Guide](#) under *Adding/Editing New Users*.
5.  **Install device software** (necessary for legacy BlackBerry devices only).
  - From the device's browser, navigate to: <http://gonotifylink.globopl.com/ota.asp>
  - Choose *BlackBerry Devices* and download the device software.  
Reference the *GO!NotifyLink for BlackBerry User Guide* for installation instructions.

**Note:** The *GO!NotifyLink* device client application is not necessary for ActiveSync device users operating with the *GO!NotifyLink ActiveSync Solution*. See [GO!NotifyLink ActiveSync Solution](#) device user guides for account setup and registration instructions.

6.  **Register (activate) the user devices.**
  - Reference the corresponding [Device User Guide](#) for registration instructions.
  - Follow the prompts to register and synchronize the calendar, contact, and task data.