

# Enterprise Network Center

## Quick Start Guide

*Network Management System*

Version 1.2

Edition 1, 3/2011

### DEFAULT LOGIN DETAILS

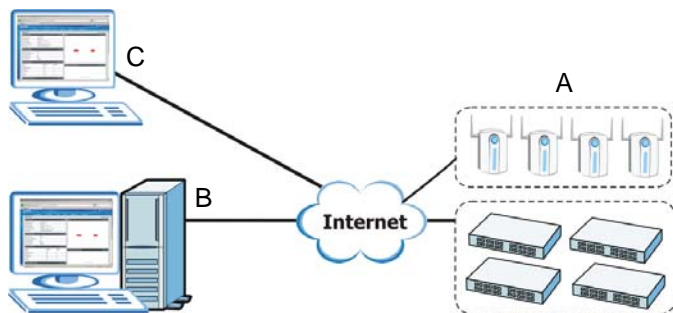
Username	root
Password	root

# ZyXEL



## Introducing ENC

Enterprise Network Center allows multiple network administrators to monitor and manage ZyXEL Enterprise Ethernet switches and wireless access points (**A**). You can perform management through the ENC server itself (**B**) or another computer (**C**).



The ENC can manage any device that supports the SNMP protocol. At the time of writing, the ENC can automatically recognize the following devices when they are added.

Switch	XGS-4528F, GS-4024, GS-2200-24, ES-3124PWR, ES-2024A, ES-2024PWR, ES-3124, ES-3148, ES-4124, XGS-4526, ES-2108, ES-2108-G, ES-2108PWR, GS-4012F, XGS-4028
Wireless AP	NWA1100, NWA3160, NWA3166, NWA3500, NWA3550, NWA3100, NWA3165, NWA3163, NWA1300-NJ

## Hardware Requirements

Server	CPU: Intel Pentium 4; 2.8 GHz or above 2 GB RAM or above 10 GB Hard Disk free space or above
Client	CPU: Intel Pentium 3; 450 MHz or above 256 MB RAM or above

## Software Requirements

Server	Windows 7 (32 bit or 64 bit), Windows Vista (32 bit), Windows XP Professional (32 bit), Windows server 2008 (R2 Enterprise 64 bit or R2 Standard 64 bit)
Client Browser	Mozilla Firefox 3.0 or above (recommended), Microsoft Internet Explorer 7.0 or above Adobe Flash Player plug-in

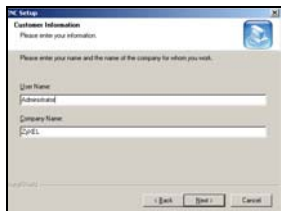
# Installation

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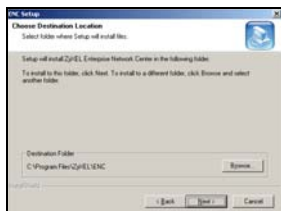
It is recommended that you close all other applications on your computer before installing the ENC software. Follow these steps to install ENC:



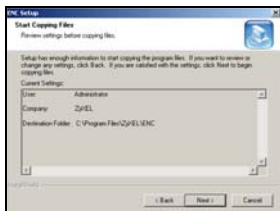
Find the execution file on the ENC disc. Double-click the installation program to run it. Click **Next**.



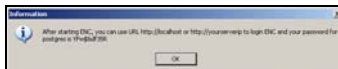
Enter the **User Name** and **Company Name**. Click **Next**.



Click **Browse** if you want to change the default directory to install ENC. Click **Next**.



Check the settings and click **Next**.



This screen reminds you how to access the ENC later and the default password of the Postgres database that you may need to use later. See [Troubleshooting](#) on page 14. Click **OK**.



You must restart your computer to complete the installation. After your computer restarts, the ENC will automatically start.

## Using the ENC

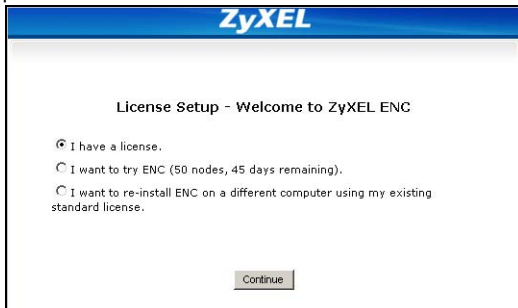
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1. To access the ENC service, open a web browser and type <http://localhost> on the ENC server itself or <http://{ENC server's IP address}> on another computer. The ENC automatically routes this request to its HTTPS server.

2. A login screen displays. The default user name and password are both **root**. Click **Login** to proceed.



3. Select **I have a license** if you have already bought one or **I want to try ENC** to use a trial version. The third option is about re-installation if you want to use the same license on another computer in the future.



4. Select **New myZyXEL.com account** if you do not have an account on [www.myZyXEL.com](http://www.myZyXEL.com) yet. Otherwise, select **Existing myZyXEL.com account**. Enter the required information and then click **Apply**.



The screenshot shows a web browser window with the ZyXEL logo at the top. The main heading is "License Setup - Start Trial". Below this, there are two radio buttons: "New myZyXEL.com account" and "Existing myZyXEL.com account". The "Existing myZyXEL.com account" option is selected. Below the radio buttons, there is a note: "(Type username and password from 6 to 20 characters.)". There are two input fields: "User Name:" and "Password:". At the bottom of the form, there are two buttons: "Apply" and "Back".

## Device Discovery

Devices can be discovered automatically or manually.

Click **Tool > Auto-Discovery** to configure the Automatic discovery settings.



To scan your network, select **Entire Network** in the **Discover Type** field. Click **Add** and configure the gateway information of your network. For example, 10.1.1.254 in the **Seed** field and 255.255.255.0 in the **Net Mask** field. Click **OK** and then **Discover** to start the scan.

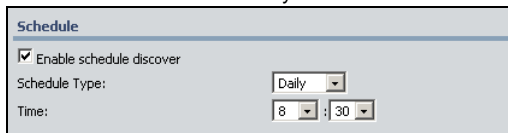
The screenshot shows the 'Seeds' configuration window. The 'Discover Type' dropdown is set to 'Entire Network' (1). The 'Add' button is circled in red (2). A dialog box titled 'Add Entire Network' is open, showing the 'Seed' and 'Net Mask' input fields (3). The 'OK' button in the dialog is circled in red (4). The 'Discover' button at the bottom right is circled in red (5).

To scan an IP range or a single IP address, select **IP Range**, click **Add** and configure the **Start IP** and **End IP**. Click **OK** and then **Discover**.

The screenshot shows the 'Seeds' configuration window. The 'Discover Type' dropdown is set to 'IP Range' (1). The 'Add' button is circled in red (2). A dialog box titled 'Add IP Range' is open, showing the 'Start IP' and 'End IP' input fields (3). The 'OK' button in the dialog is circled in red (4). The 'Discover' button at the bottom right is circled in red (5).

All devices automatically discovered are added to the top level of the discovery map.

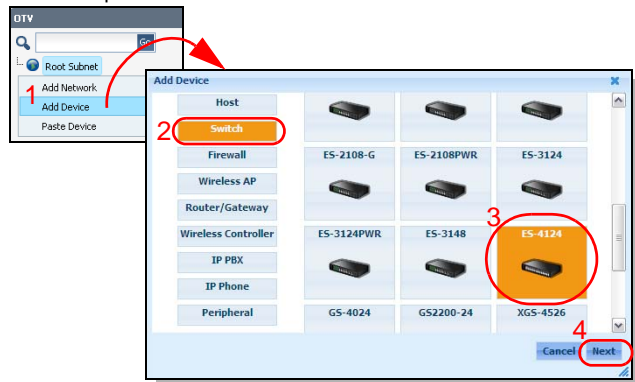
You can also configure a schedule to scan devices/networks in the **Auto-Discovery** screen. This example shows how to configure a daily device/network auto-discovery.



The screenshot shows a window titled "Schedule". It contains a checked checkbox labeled "Enable schedule discover". Below this, the "Schedule Type:" is set to "Daily" in a dropdown menu. The "Time:" is set to "8" in the hour dropdown and "30" in the minute dropdown.

The system only performs auto-discovery once after you click the **Discover** button if you do not set a schedule.

To manually add a device to your network, you must know what type of device it is and its IP address. Right click **Root Subnet** in the **OTV** panel and select **Add Device**, configure the screens and finally click **Finish**. This example adds an ES-4124.



Enter the device name and IP address.

The screenshot shows the 'Add Device' dialog box with the 'System' tab selected. A red circle labeled '5' highlights the 'Device Name' and 'IP Address' fields. The 'Device Name' field contains 'ES-4124' and the 'IP Address' field contains '172.16.1.250'. A small icon of a network switch is shown above the 'Device Name' field. At the bottom right, a red circle labeled '6' highlights the 'Next' button.

**Add Device**

**System**

Device Type: Switch  
Device Model: None

5

Device Name: ES-4124  
IP Address: 172.16.1.250

Location:  
Description:

6

Cancel Previous **Next**

If you have changed the default SNMP settings on the device, configure the matching settings on this screen.

The screenshot shows the 'Add Device' dialog box with the 'Access' tab selected. A red circle labeled '7' highlights the 'SNMP Version', 'Port', 'Read Community', 'Write Community', 'User Name', 'Context Name', 'Authentication', 'Auth. Password', 'Privacy', and 'Privacy Password' fields. The 'SNMP Version' is set to 'v2c', 'Port' is '161', 'Read Community' is 'public', 'Write Community' is 'public', 'User Name' is 'admin', 'Context Name' is empty, 'Authentication' is 'None', 'Auth. Password' is empty, 'Privacy' is 'None', and 'Privacy Password' is empty. At the bottom right, a red circle labeled '8' highlights the 'OK' button.

**Add Device**

**Access**

7

SNMP Version: v2c  
Port: 161  
Read Community: public  
Write Community: public  
User Name: admin  
Context Name:  
Authentication: None  
Auth. Password:  
Privacy: None  
Privacy Password:

8

Cancel Previous **OK**

## Register NWA1300-N Series

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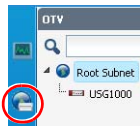
The ENC supports multiple NWA1300-N Series devices registration for hotel management since version 1.2. There are three methods recommended for the registration:

1. If you have a DHCP server which supports DHCP option 224, you can configure it to pass the ENC's IP address to the NWA1300-N Series. Then the devices can register to the ENC actively.
2. If you do not have a DHCP server or you want to use static IP addresses for your NWA1300-N Series, you can manually use the devices' MAC addresses and hotel room numbers to register the devices to the ENC.
3. If you have a DHCP server without DHCP option 224 support, you can still let the ENC automatically add the devices through auto-discovery.

See the Tutorial chapter in your User's Guide for more detailed information.

## Viewing the Network Map

To view the map of devices added to your network, click the **Map** icon next to the OTV panel.



## Disabling Automatic Startup

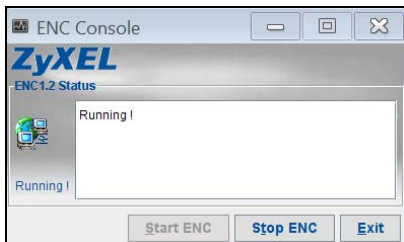
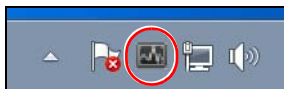
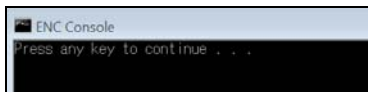
To not have the ENC start when you turn on your Windows computer, you must turn off automatic start-up. Click **Start > Control Panel > Administrative Tools > Services** (in Windows XP). Double click **ZyXEL Enterprise Network Center** and select **Disabled** from the **Startup Type** field. Click **Apply**.

## ENC Menu

To access these menus, select a managed ZyXEL device, then click the corresponding menu. See the User's Guide for help on the menu details. Alternatively, some configuration menus are available by right-clicking a device on the OTV panel.

## Start/Stop the ENC Service

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In Windows, click **Start > Programs > ZyXEL > Enterprise Network Center > ENC Console**.

Press any key after this screen displays..

Click the ENC icon from the system tray.

The screen shows the ENC's current status (**Running** or **Stopped**).

Use the **Start ENC** or **Stop ENC** button to start or stop the ENC service.

Click **Exit** to close this screen.

## Uninstall the ENC

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If you need to uninstall the ENC in order to, for example, upgrade to a new version, click **Start > Settings > Control Panel > Add/Remove Programs** (in Windows XP). Find the installed program of **ZyXEL Enterprise Network Center** and then click **Change/Remove**. Confirm the remove action. You will need to restart the computer to complete the uninstallation process.

## Troubleshooting

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PROBLEM	CORRECTIVE ACTION
I cannot install the ENC	Make sure that the computer where you want to install this software meets the system requirements (see page 4).
I cannot access the ENC.	If you cannot access the ENC on the computer where the ENC is installed, try to stop and restart the ENC. It may take 2 ~ 5 minutes to start the ENC. If you can access the ENC on the computer itself but you cannot access it remotely, check the firewall settings on the ENC server. Try to disable the firewall or configure a firewall exception rule that allows your access.

For more information, please refer to the User's Guide on the provided CD or at the [www.zyxel.com](http://www.zyxel.com) download library.

Was this guide helpful? Send your comments to [techwriters@zyxel.com.tw](mailto:techwriters@zyxel.com.tw)