



Quick Start Guide
Version 2.0

Vantage
CNM

Vantage CNM 2.0

Centralized Network management

Quick Start Guide

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1 Introduction

Vantage Centralized Network Management 2.0 (CNM) is a browser-based, management solution that allows you to easily configure, manage and monitor ZyXEL devices from any location. Vantage Centralized Network Management 2.0 will be referred to as “Vantage CNM” or simply “Vantage” in this document.

2 Vantage Requirements

VANTAGE SERVER REQUIREMENTS	
CPU	Intel Pentium 4, 2.6 GHz or faster
RAM	1GB or more
Hard Drive	80GB
Operating System	Windows XP Professional
VANTAGE CLIENT REQUIREMENTS	
CPU	Intel Pentium III, 450MHz or faster
RAM	256MB or more
Operating System	Windows 2000 or Windows XP Professional
Web Browser	 Internet Explorer 6.0 or later
ZYXEL DEVICE REQUIREMENTS	
Firmware	<p>The ZyXEL device must have Vantage CNM-enabled firmware.</p> <p>At the time of writing, devices supported were ZyWALL 10W, ZyWALL 2, ZyWALL 70 and Prestige 652HW-31. For more details, see the Vantage software release notes.</p> <p>Please read the device release note carefully if you have to upload new device firmware.</p>

3 Vantage Installation Procedure

Use the Vantage installation wizard to install Vantage CNM 2.0 server software.

In each wizard screen, click Next to proceed to the next screen in the wizard, click Back to return to the previous screen or click Cancel to abort the installation and exit the wizard.

You should [uninstall](#) any previous versions of Vantage before beginning.

1. Insert the Vantage CD into the CD-ROM or download the Vantage software and save it to the Vantage server computer.
2. Double-click the Vantage executable file to begin the file extraction process.

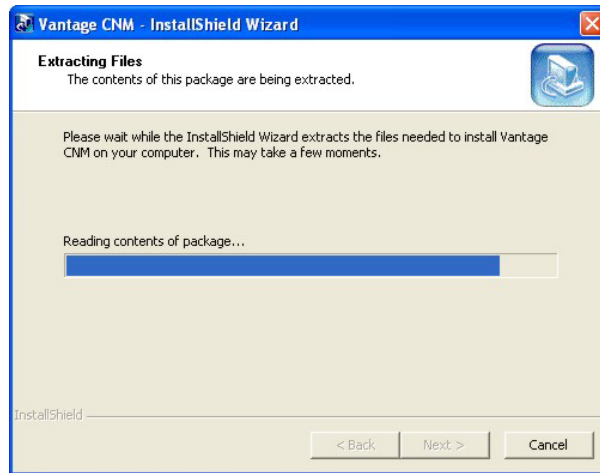


Figure 1 Extracting Vantage Files

3. The Vantage CNM 2.0 logo appears briefly during extraction.

Vantage CNM 2.0

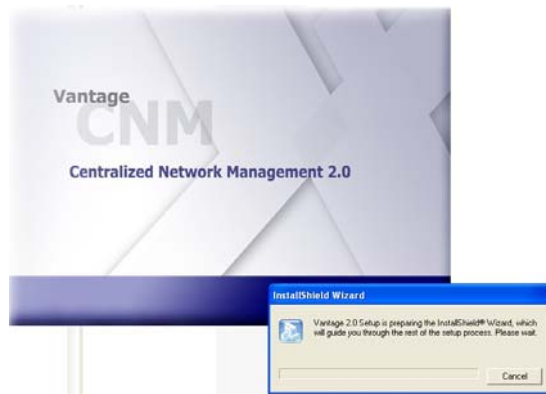


Figure 2 Vantage CNM 2.0 Logo

4. Click **Next** in the Vantage **Welcome** screen to begin the installation wizard.

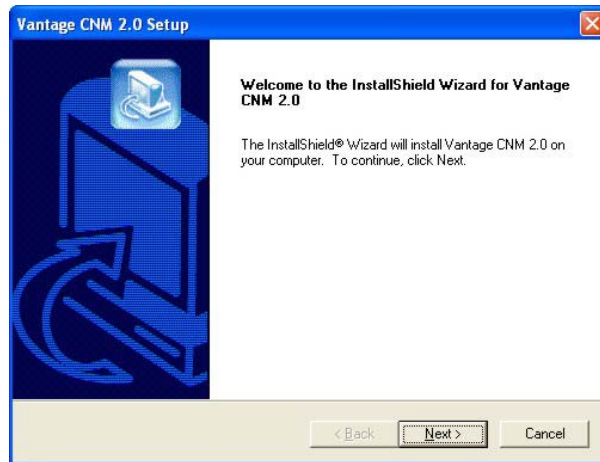


Figure 3-Welcome to the Wizard

5. Read the license agreement and then click **Yes** to proceed to the next screen.

Vantage CNM 2.0

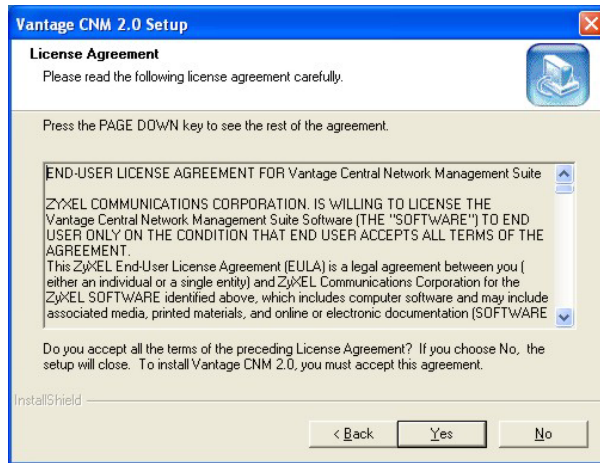


Figure 3 License Agreement

6. Enter your name and your company name in the next screen. Click **Next** to proceed.

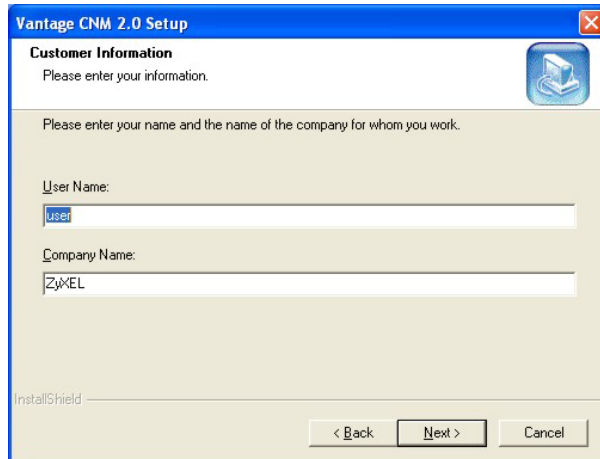


Figure 4 Customer Information

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7. Decide where Vantage should be installed in the next screen. To install to the default folder, click **Next**. To install to a different folder, click **Browse**, navigate to the new folder and then click **Next**.

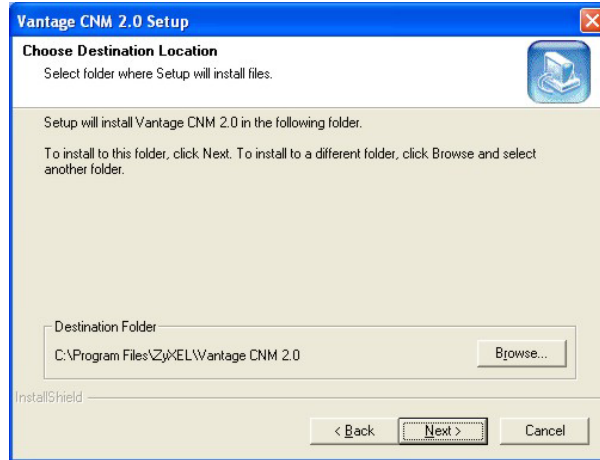


Figure 5 Choose Destination Folder

8. Review your settings in this screen and then click **Next** to begin copying files or click **Back** to return to a previous screen and change settings.

Vantage CNM 2.0

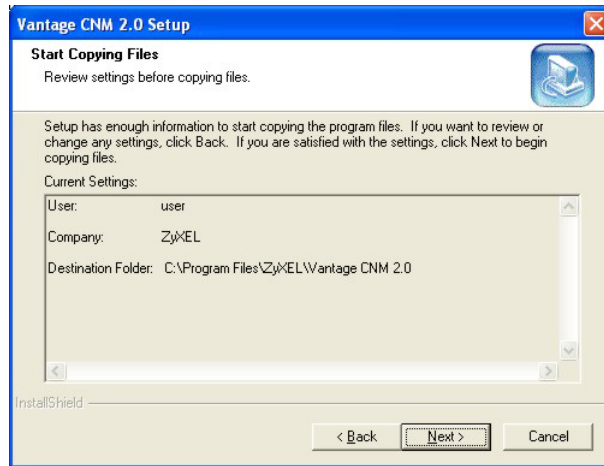


Figure 6 Start Copying Files

9. Wait while Vantage installs or click **Cancel** to abort the installation.

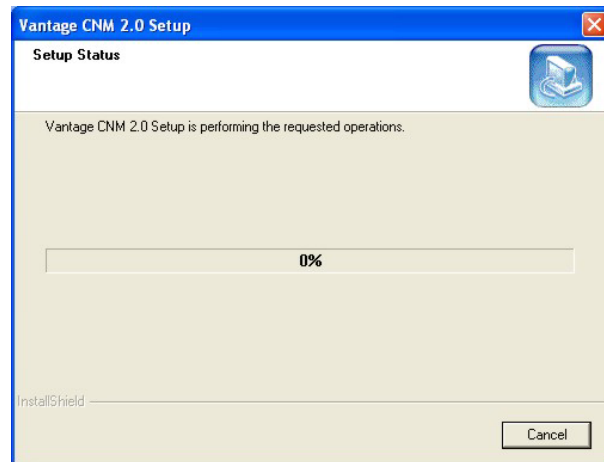


Figure 7 Setup Status

10. The next screen asks you if you want to configure FTP, SMTP (mail) and syslog servers now or after you activate Vantage.

- The FTP server is used for file transfers, such as firmware upgrade.
- The SMTP server is used for e-mail notifications.
- The syslog server is used to receive logs. The syslog server you configure for a device and the syslog server you configure for Vantage **MUST** be the same.

You should know each server's IP address, username and password. File transfers (FTP), e-mail notifications (SMTP) or log reports (syslog) will not work in Vantage if these are incorrectly configured.

If you select **No, configure it later**, you will go to the screen as shown in *Figure 9*.

Alternatively, if you select **Yes, configure it now** and click **Next**, you go to the screen as shown in *Figure 10*.

See the *User's Guide Appendices* for examples of setting up syslog and FTP servers.

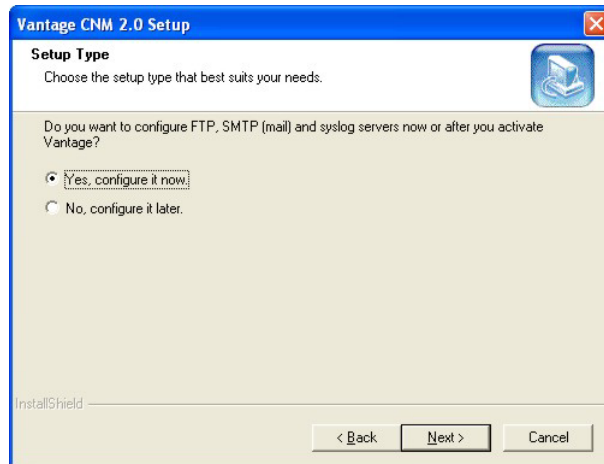


Figure 8 Configure Servers Now or Later

11. This warning screen means that file uploading, e-mail notifications/reports and logging to a syslog server will not work until you configure these servers. Click **Yes** to continue to *Figure 14*.

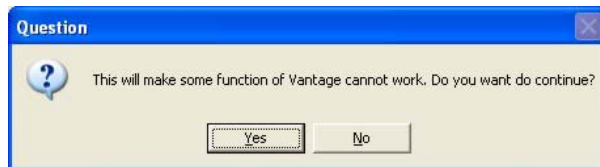


Figure 9 No Configure Servers Now Warning

12. Enter your FTP server IP address, user name and associated password in the next screen.

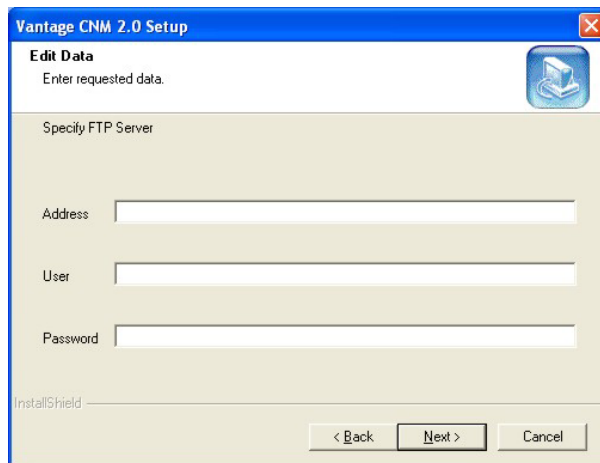
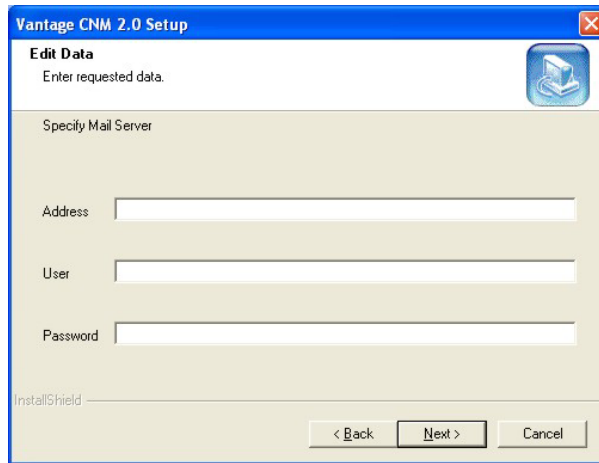


Figure 10 Configure FTP Server

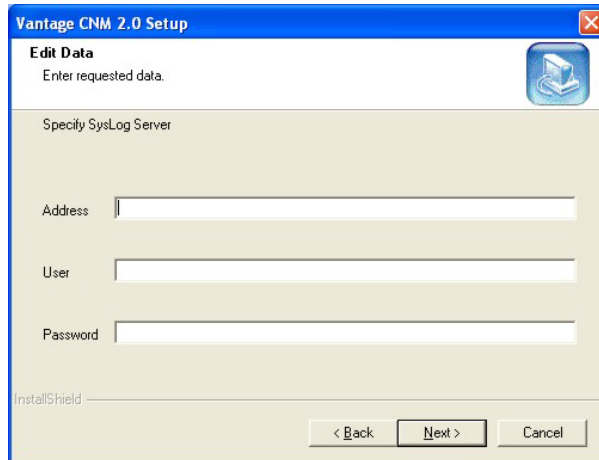
13. Enter your mail server IP address or URL, user name and associated password in the next screen.



The screenshot shows a dialog box titled "Vantage CNM 2.0 Setup" with a close button in the top right corner. Below the title bar, there is a section labeled "Edit Data" with the instruction "Enter requested data." and a help icon. The main area is titled "Specify Mail Server" and contains three text input fields labeled "Address", "User", and "Password". At the bottom left, there is a small "InstallShield" logo. At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

Figure 11 Configure Mail Server

14. Enter the syslog server IP address, user name and associated password in the next screen.



The screenshot shows a dialog box titled "Vantage CNM 2.0 Setup" with a close button in the top right corner. Below the title bar, there is a section labeled "Edit Data" with the instruction "Enter requested data." and a help icon. The main area is titled "Specify SysLog Server" and contains three text input fields labeled "Address", "User", and "Password". At the bottom left, there is a small "InstallShield" logo. At the bottom right, there are three buttons: "< Back", "Next >", and "Cancel".

Figure 12 Configure Vantage syslog server

Vantage CNM 2.0

15. The syslog server must be either a syslog server running on Linux or a Kiwi syslog server for Windows¹ (see the Kiwi website for details).

Vantage communicates with a Linux syslog server using SSH (Secure SHell), so you must enable the SSH daemon on the Linux syslog server. This allows the Linux syslog server to receive logs. For Vantage to receive logs from the Linux syslog server, you must do the following on the Linux syslog server:

Find row:

```
/etc/syslog.conf
```

Add this row after it:

```
local2.* /var/log/vantage.log
```

Modify the following row:

```
*.info;mail.none;authpriv.none;cron.none /var/log/messages
```

To

```
*.info;mail.none;authpriv.none;cron.none;local2.none  
/var/log/messages
```

Syslogd must support the "-r" option so you need to edit /etc/sysconfig/syslog as follows find the row,

```
SYSLOGD_OPTIONS=""
```

Modify it as follows:

```
SYSLOGD_OPTIONS="-r"
```

Then run "/etc/init.d/syslog stop" and "/etc/init.d/syslog start" to restart syslog.

Vantage communicates with a Windows (Kiwi) syslog server using Telnet, so you must enable Telnet on the Windows (Kiwi) syslog server (see *section 4*). See the *User's Guide appendices* for information on setting up a Kiwi server on Windows.

¹ At the time of writing, only these syslog servers are supported and they are not bundled with Vantage CNM 2.0.

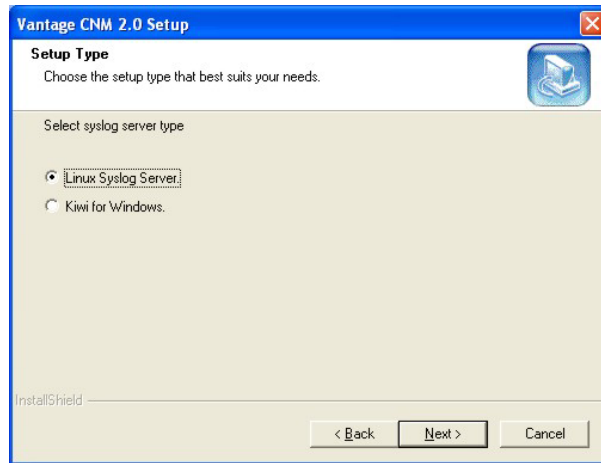


Figure 13 Linux or Kiwi syslog Server

16. You must enter a public IP address for the Vantage CNM server in the next screen. If Vantage is behind a NAT router, then you need to enter the public IP address of the NAT router.

Vantage CNM 2.0

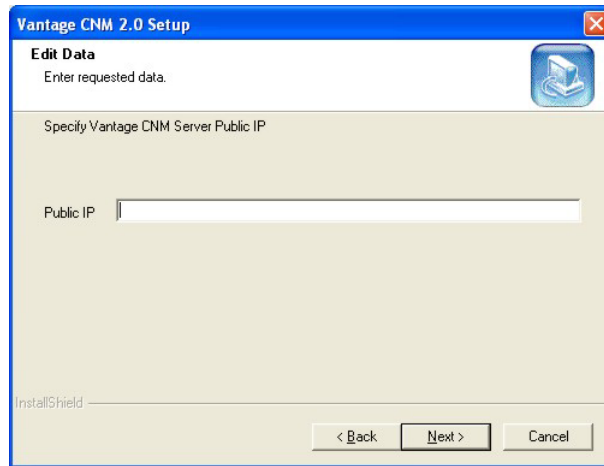


Figure 14 Vantage Public IP Address

17. Click **Finish** to go to the next screen (you're not actually finished).

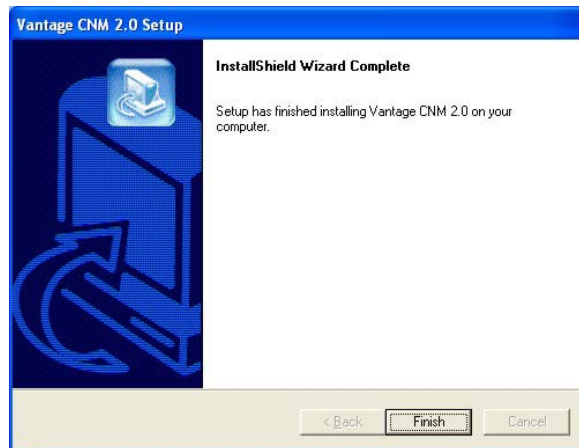


Figure 15 Install Wizard Complete

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18. The next screen reminds you to [disable any web servers](#) you may already have running on the Vantage server computer before restarting. Click **OK** to go to the restart screen



Figure 16 Disable Web Servers

19. You must restart the computer for Vantage to completely install. [Disable any running web servers](#) before restarting. After you have disabled web server(s), click **Finish** and wait while Vantage installs and your computer restarts.



Figure 17 Restart Computer

4 Windows Services

You must disable web servers before you restart Vantage. Vantage is a Windows service, so you may start, stop or resume Vantage in the **Services** window. You can also enable/disable Telnet and SSH services from here –see the step before *Figure 13*.

4.1 Disable Web Servers

Follow this procedure to disable any web servers you may have running on the Vantage server before installing Vantage CNM 2.0.

1. Click **Start**, double-click **Control Panel**. Double-click **Administrative Tools**.

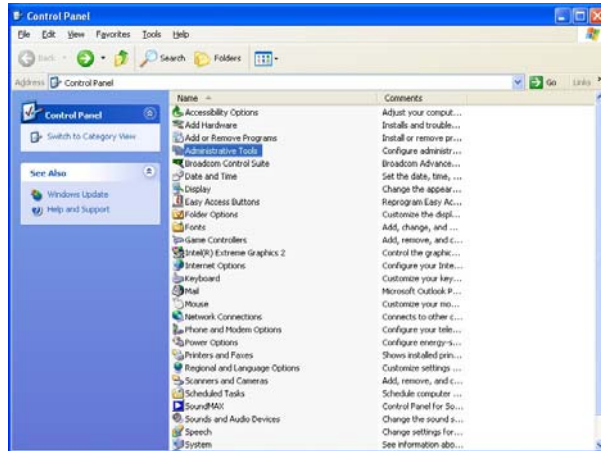


Figure 18 Control Panel

2. Click **Services** from **Administrative Tools**.

Vantage CNM 2.0

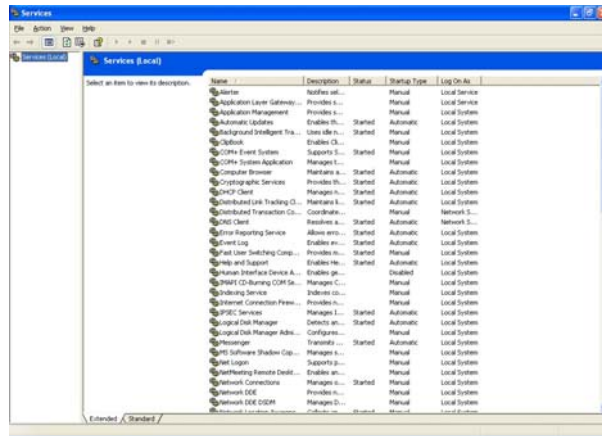


Figure 19 Services

3. Right-click the (running) service you want to disable and click **Stop**. (You may also choose to start, stop or resume Vantage in this way.)

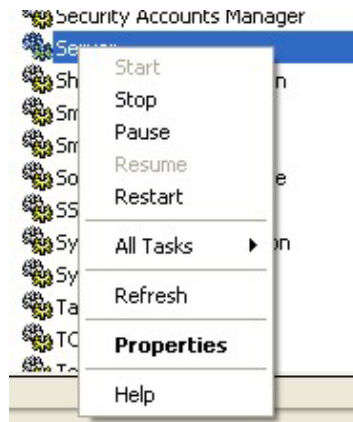


Figure 20 Stop Service

4.2 Vantage Dependencies

If you have problems accessing Vantage, make sure MySQL is up and running. Right-click Vantage from the **Services** screen as shown in *Figure 19*, select **Properties** (as shown in *Figure 20*) and then click the **Dependencies** tab to see that Vantage requires MySQL. Make sure it is installed and running by checking the **Services** screen as shown *Figure 19*. If it isn't running, right-click MySQL, select **Properties** and then select **Start** (or **Stop** then **Resume**).

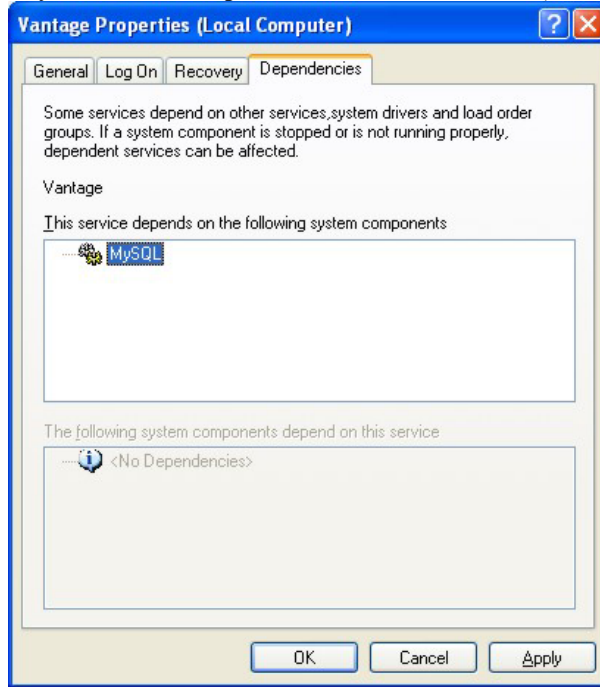


Figure 21 MySQL Dependency

4.3 Vantage Recovery Options

You can also choose Vantage recovery options by doing the following. Right-click Vantage from the **Services** screen as shown in *Figure 19*, select **Properties** (as shown in *Figure 20*) and then click the **Recovery** tab. Select the **Recovery** options as shown in the screen.

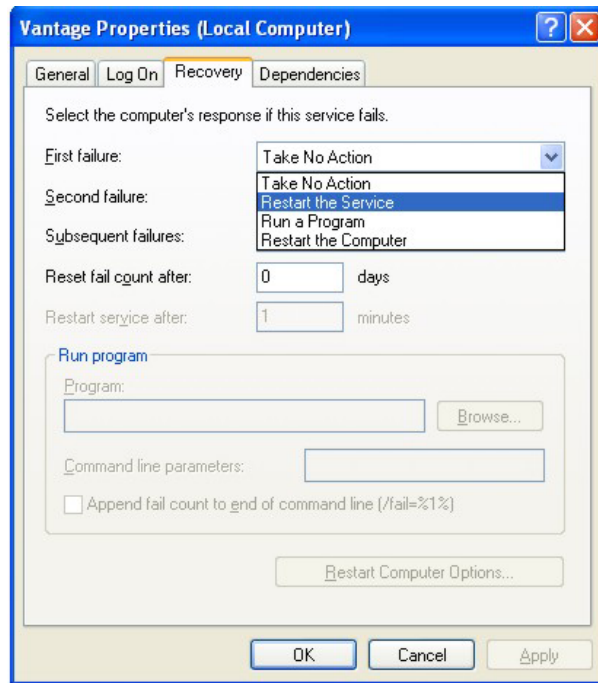


Figure 22 Vantage Recovery Options

5 Vantage Icons

After your computer restarts, you will see the following Vantage icons in the system tray (bottom right of your computer screen) indicating the status of Vantage.




VANTAGE ICON	DESCRIPTION
	A green icon indicates Vantage is starting.
	A blue icon indicates Vantage has started. You may access Vantage from a client computer now. You may right-click this icon to pause (Stop) or quit (EXIT) Vantage. When you exit Vantage the icon disappears from the system tray.
	A red icon indicates Vantage has stopped.

Figure 23 Vantage Icons

If you have exited Vantage and wish to restart, click **Start, All Programs, ZyXEL, Vantage 2.0, Vantage Status Monitor** to bring back the Vantage icon to the system tray.

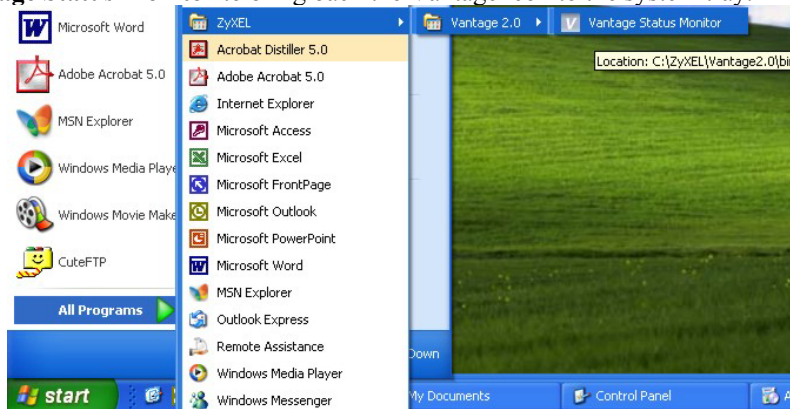


Figure 24 Vantage Status Monitor

6 Accessing Vantage CNM 2.0

1. From the Vantage client computer, open Internet Explorer 6 and type “<http://{Vantage server IP address}/vantage/>”. If the Vantage server and client is the same computer, you can enter “localhost” instead of the IP address.

2. If you see a screen asking you to close the browser window, close it.
3. When the login screen appears, type “root” as **Username**, ‘root’ as the **Password** (factory defaults) and then click **OK**. You may see a screen asking you if Windows should remember this password. If this is a shared computer, Windows should *not* remember your password.
4. You may see another screen advising that this is a HTTPS connection. Click **Yes** to continue.

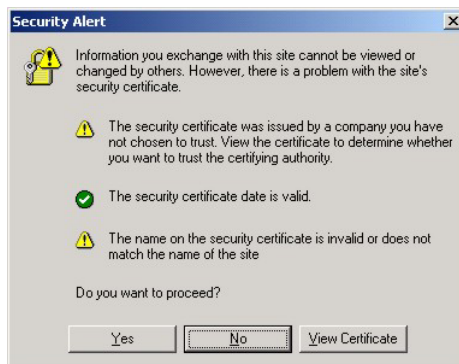


Figure 25 Security Alert



Figure 26 Login

5. You may be asked to install a Java plug-in on the Vantage client computer. Install it. The Vantage server must be connected to the Internet to download the plug-in.



Figure 27 Java Plug-in

6. Click **Typical** and then click **Next** to begin the Java plug-in installation.

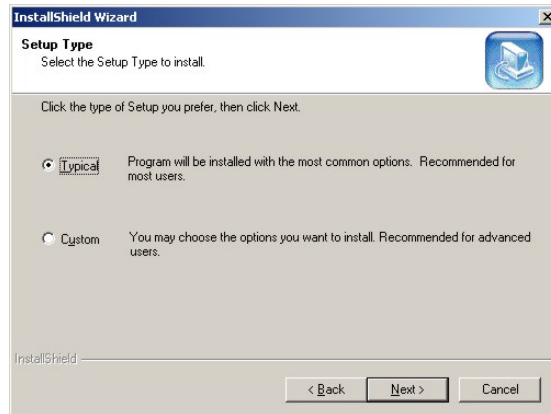


Figure 28 Typical Plug-in Installation

7. Wait for the Java plug-in to finish installing.

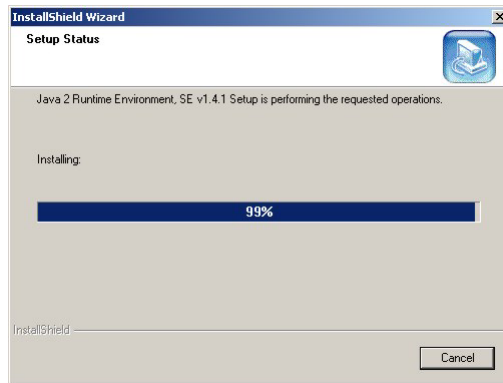


Figure 29 Plug-in Installing

8. HTTPS is used to access the Vantage server. A series of warning screens related to HTTPS certificate information appears. Click **Yes** (or **Always**) in each to continue.



Figure 30 Security Warning 1



Figure 31 Security Warning 2

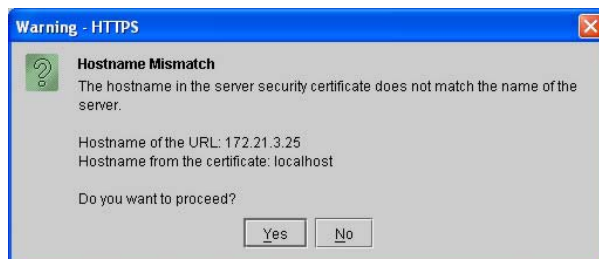


Figure 32 Security Warning 3

9. The next screen eventually appears asking you to enter the **Activation Key** and **Service Set Key** generated at www.myZyXEL.com. See the [myZyXEL.com section](#) in this Quick Start Guide if you have not yet registered and activated Vantage there. Afterwards, enter these fields and then click **Next** to continue to the main screen.

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ZyXEL **VANTAGE** Centralized Network Management **2.0**

MyZyXEL.com is ZyXEL's online services center. Before continuing you must do the following:

1. Go to myZyXEL.com.
2. If you haven't already got a myZyXEL.com login username and password, then create an account by filling in the (new) account registration form.
3. After successful account creation, register Vantage CNM. You will be asked for the serial number.
4. After you have registered Vantage CNM, activate it. You will be asked for the license key. MyZyXEL.com then generates an Activation Key and Service Set Key that you enter in the next screen.

Authentication Code:

Activation Key:

Service Set Key:

Figure 33 Activate Vantage

10. See the *User's Guide* for more details on the Vantage main screen.

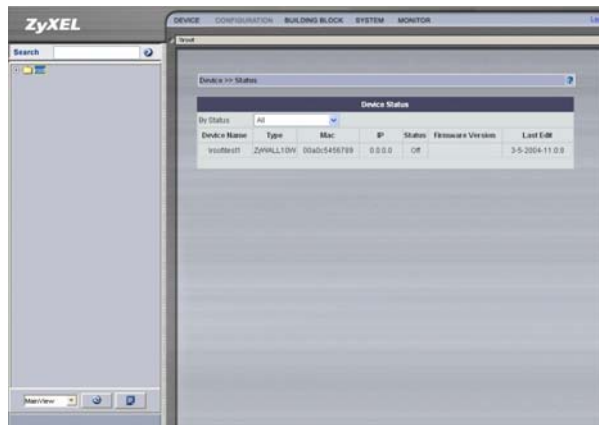


Figure 34 Main Screen

7 MyZyXEL.com

<http://www.myzyxel.com> is ZyXEL's online services center where you must register Vantage and generate an **Activation Key** and **Services Set Key** that you enter in *Figure 33*.

1. Go to <http://www.myZyXEL.com> using your web browser.
2. Create a new account (if you haven't already one) with a user name and password by filling in an account registration form at myZyXEL.com.

Login /

Welcome to myZyXEL.com

What's myZyXEL.com?

myZyXEL.com provides an easy-to-use service management platform where you can manage all your ZyXEL product registrations and services using your personal account.

Please register your account at myZyXEL.com

Username:

Password:

Remember Username:

> Forgot Password? [Click here](#)

> If you are not a registered user, [Click here](#)

Click here to create a new myZyXEL.com account.

Figure 35 myZyXEL.com Login Page

3. After you have created a myZyXEL.com account, log in and register Vantage by clicking the hyperlink as shown in the next screen.

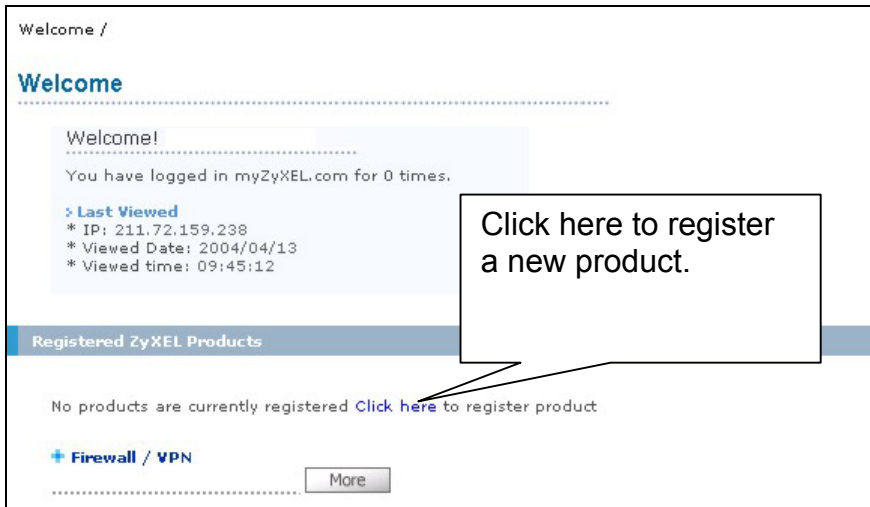


Figure 36 Logged Into myZyXEL.com

4. Click **Add** in the next screen.

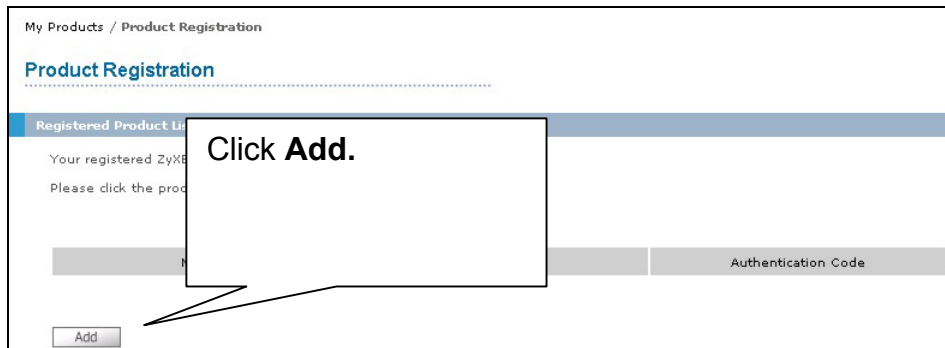


Figure 37 Product Registration

5. Enter the following information in the next screen and then click **Register**.

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- o Product serial number: This is a 12-digit number found on the Vantage CNM 2.0 product label. It identifies the model type within myZyXEL.com. Type the number exactly as shown on the label.
- o Authentication Code: This is a generated number that is displayed after you install Vantage as shown in *Figure 33*. Type the information exactly as displayed or copy and paste it into the screen as shown in *Figure 38*; be careful to avoid pasting trailing spaces.
- o Friendly Name: This is an alias you give the product to identify it.

The screenshot shows a web interface for 'My Products / Product Registration' with a sub-header 'Add New Product'. Below the header, there is a blue bar with the text 'Add New Product'. The main content area contains the following text: 'To add a new product, please fill in the following fields. Friendly Name is an alias you give the product to identify it in the product list.' There are three input fields: 'Serial Number:' with a placeholder 'Please enter the 10-digit number of the label on the unit.', 'Authentication Code:' with a placeholder 'For hardware products, this is the... For software products, this is a g... ware.', and 'Friendly Name:' with a placeholder 'Please give a name easy to reme...'. A 'Register' button is located at the bottom right. A callout box with a pointer to the input fields contains the text 'Fill in these fields.' and another callout box with a pointer to the 'Register' button contains the text 'Click Register.'

Figure 38 Add New Product

6. After you have registered Vantage, you can view it in the screen shown next.

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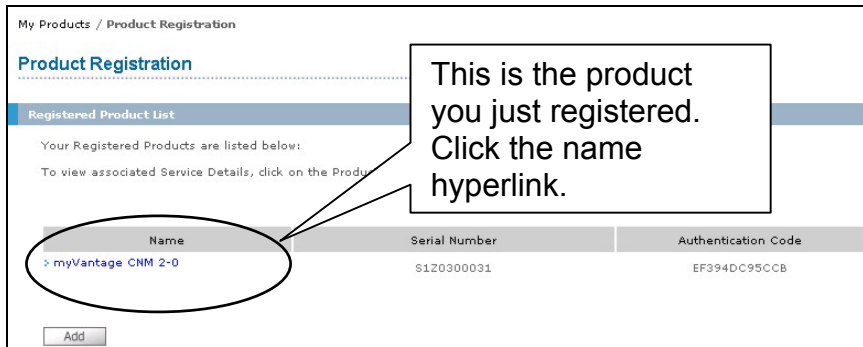


Figure 39 Vantage Registered

7. The product is now registered but not activated. Click the name hyperlink to display its details.

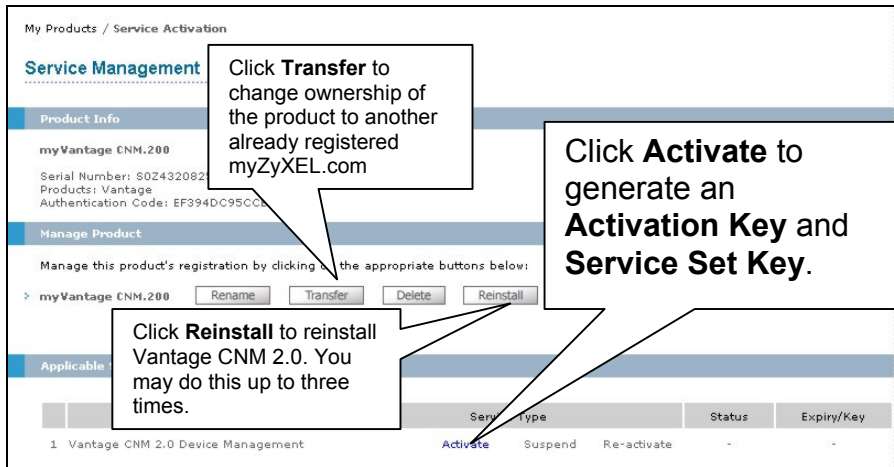


Figure 40 Vantage Details at myZyXEL.com

- Click **Activate** to display the next screen. You use this screen to generate an **Activation Key** and **Service Set Key**. You need these keys to activate Vantage standard software, upgrade software or trial software.

Figure 41 Activate Vantage

- Enter the license key exactly as displayed on the label and click **Submit**. A screen then displays showing you the **Activation Key** and **Service Set Key** that you enter in *Figure 33*. The keys are also sent to your myZyXEL.com registered e-mail address.

7.1 Reinstalling Vantage

When you reinstall Vantage, a new **Authentication Code** is generated. A new authentication code will not work with the previously myZyXEL.com-assigned **Activation Key** and **Service Set Key**, thereby disallowing the activation of the reinstalled Vantage.

However, using myZyXEL.com, you are allowed to reinstall Vantage CNM 2.0, up to three times (at the time of writing). If you need to reinstall Vantage more than three times, then you will have to send an e-mail to myZyXEL-admin@zyxel.com.tw.

To reinstall Vantage, click **Reinstall** in the screen shown in *Figure 40*. Enter the new authentication code in the following screen (*Figure 42*) and click **Next**. The new **Activation** and **Service Set** keys are then displayed in a subsequent screen and are also sent to your myZyXEL.com-registered e-mail address.



Figure 42 Reinstalling Vantage

8 Uninstalling Vantage

Follow this procedure to uninstall Vantage.

1. You should first stop Vantage and quit the Vantage status monitor before beginning.
2. Click **Start, Control Panel**. Double-click **Add or Remove Programs**. Highlight **Vantage CNM 2.0** and click **Change/Remove**.

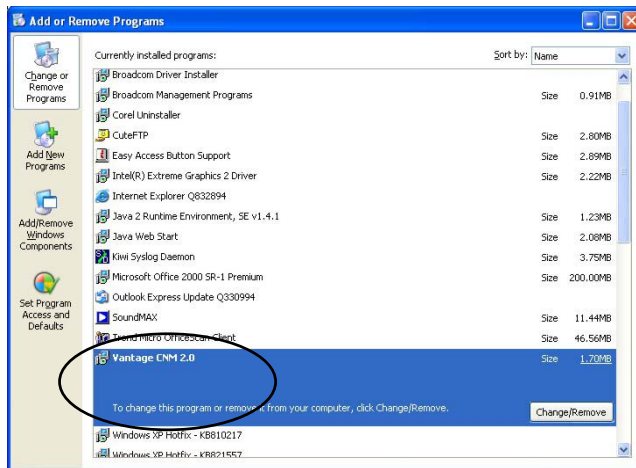


Figure 43 Add or Remove Programs

3. Select **Remove** and then click **Next**.

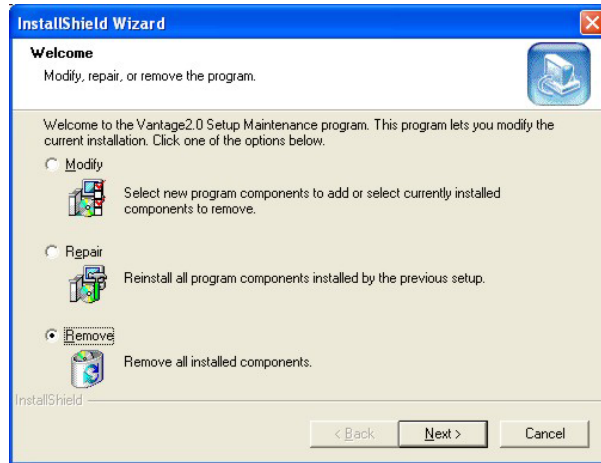
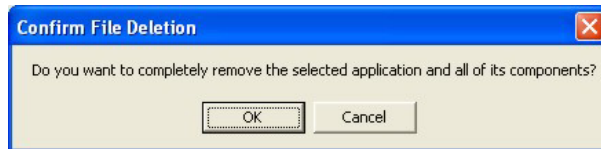


Figure 44 Remove Vantage

4. Click **OK** to continue removing Vantage.



5. Wait while Vantage uninstalls. If you see a **Locked File Detected** screen, select **Don't display this message again** and then click **Reboot** (to delete the file when the computer restarts) to continue.

Vantage CNM 2.0

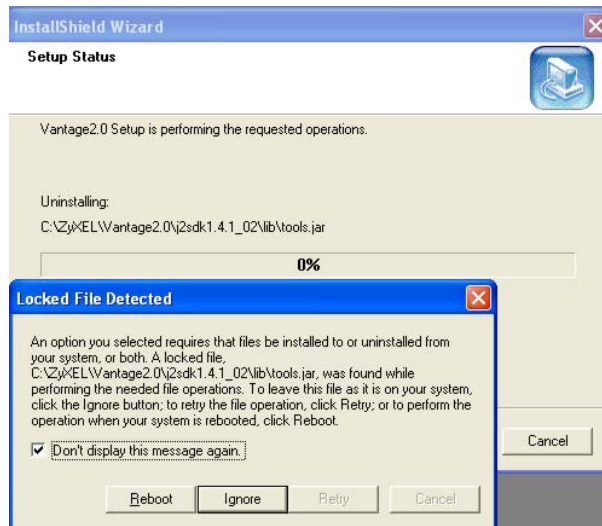


Figure 45 Ignore Locked File

6. Click **Finish** to restart the computer and complete the Vantage un-installation.

ZyXEL
Unleash Networking Power

Vantage

CNMM