



# **IPNexus Server**

## **Secure Instant Messaging & Integrated Collaboration**

Version 1.5

Installation & Setup Guide

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## *WELCOME TO IPNEXUS SERVER*



This Installation & Setup Guide is intended for users who need to install and set up the IPNexus Server themselves.

If you received your IPNexus Server application pre-installed on a server supplied by VCON, keep this publication for reference if you have to install or set up the application again at a later time.

IPNexus is a complete suite of IP network based collaborative tools, the first truly Integrated Collaborative Environment (ICE). Instant messaging, application sharing, file transfer, audio conferencing, videoconferencing and more are all part of a single, simple, easy-to-use application designed to increase employee productivity and efficiency. Now satellite offices, telecommuters, customers, suppliers and anyone you choose can become part of your secure integrated collaborative environment without the risks associated with public instant messaging services.

IPNexus gives your company full ownership and control of the messaging environment-solving your security concerns by controlling who has access and who does not. Based upon your network and firewall configuration, you have total control of the level of accessibility from inside and outside your network.

# *INSTALLING IPNEXUS SERVER*

Install the IPNexus Server on a Windows 2000 or NT Server located on the company's internal network, in the DMZ or on the public Internet.

## *Package Contents*

### **IPNexus Pre-configured in Tower Server or Rack Mount Server**

- Personal Computer (1.4Ghz or higher, Windows 2000 Server, 512MB RAM)
- IPNexus Server Installation & Setup Guide
- MXM Administrator's Guide
- MXM End Point's Guide
- MXM CD (contains the IPNexus Server and Client applications)

### **IPNexus software-only application**

- MXM CD (contains the IPNexus Server and Client applications)
- IPNexus Server Installation & Setup Guide
- MXM User's Guide
- MXM Administrator's Guide

### *Minimum System Requirements*

The following are the minimum system requirements for IPNexus Server application that is not installed in a VCON-supplied computer.

#### **IPNexus Server**

- Pentium III / 500 MHz
- Windows NT Server, 2000 Professional or 2000 Server
- 128 MB RAM
- TCP/IP Network connection
- Internet access (if remote access required)
- Read/Write access to an FTP Server

#### **IPNexus Client**

- Windows 95 or later
- Pentium-class computer
- TCP/IP Network connection
- Internet access if remote access desired
- 16-bit Video card or better
- Sound card (optional)

### *Before You Install*

The IPNexus Server computer must be located on your network with a static IP address. Write this address down, because you will need to enter it during configuration.

We also recommend that an FTP server be installed on the network, in order to take advantage of IPNexus's unique sharing features. It can be on the same server as IPNexus. Read/write accessibility must be enabled on the FTP server. For more information on configuring an FTP server, see Appendix A.



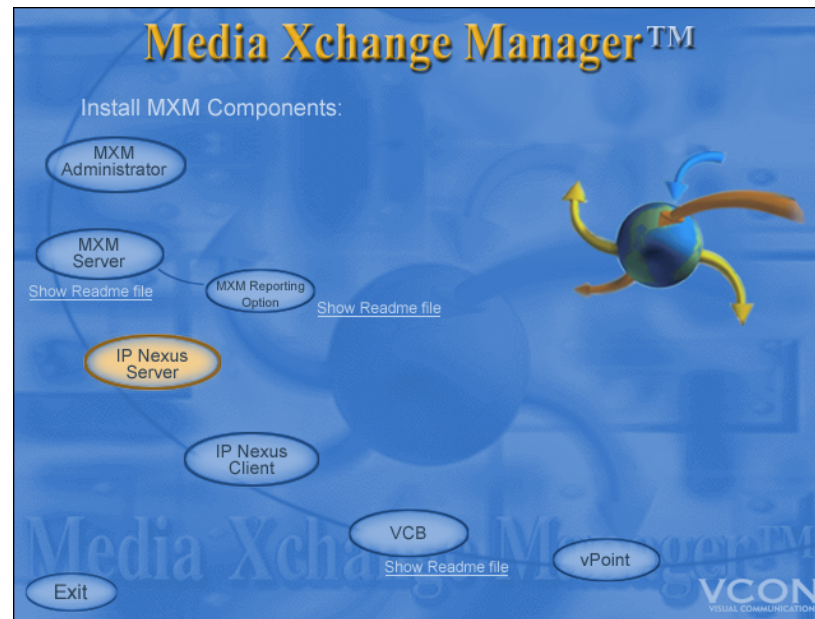
### Installing IPNexus Server

Insert the MXM CD-ROM into the computer's CD-ROM drive.

1. Insert the MXM Setup CD-ROM in your computer's CD-ROM drive.

If Autorun is enabled, the Setup wizard will appear automatically. Otherwise, click **Start** in the Windows taskbar and then click **Run**. Browse to the CD-ROM drive and double-click the *Setup.exe* file.

2. In the Installation screen, select **IPNexus Server**.



3. Follow the instructions in the Setup wizard, clicking **Next** to continue.

4. At one stage, the wizard requests the address of the connected MXM. The IPNexus Server does not have to reside on the same server as the MXM.
  - If you're installing the IPNexus Server on the same computer as the local MXM, keep the default setting, **localhost**.
  - Otherwise, type the IP address of another server on your network.Click **OK**.
5. After completing the Setup wizard, click **Finish**.

In order to use advanced functions such as IPAppShare, IPWebShare, IPSnapshot and IPQuickPoll, you will need to input your FTP Server Configuration. For instructions on how to input your FTP Server Configuration, see Appendix A.

# *SETTING UP THE IPNEXUS CONFIGURATION*

To enable IPNexus clients to share files and applications, you must set up a folder on a web server. The web server may be on the same computer as the FTP server and/or MXM.

The configuration setup includes the following tasks:

1. Creating an IPNexus User type.
2. Create an IPNexus folder on the web server.
3. Enable web sharing for the IPNexus folder.
4. Assign full control permissions in the IPNexus folder to the IPNexus User type.
5. Modify the IPNexus Server properties in the associated MXM.

### Creating an IPNexus User Type

In the web server, create a specific user type that is associated with IPNexus Clients who log in to the IPNexus server.

1. In the Windows desktop, right-click **My Computer** and click **Manage**. The Computer Management Console appears.
2. In the Console tree, browse to the *System Tools>Local Users and Groups>Users* folder.
3. Right-click **Users** and click **New User**.
4. In the New User dialog box, enter the following properties:

**User Name** The common user name required to access the FTP site, as defined in step 2.

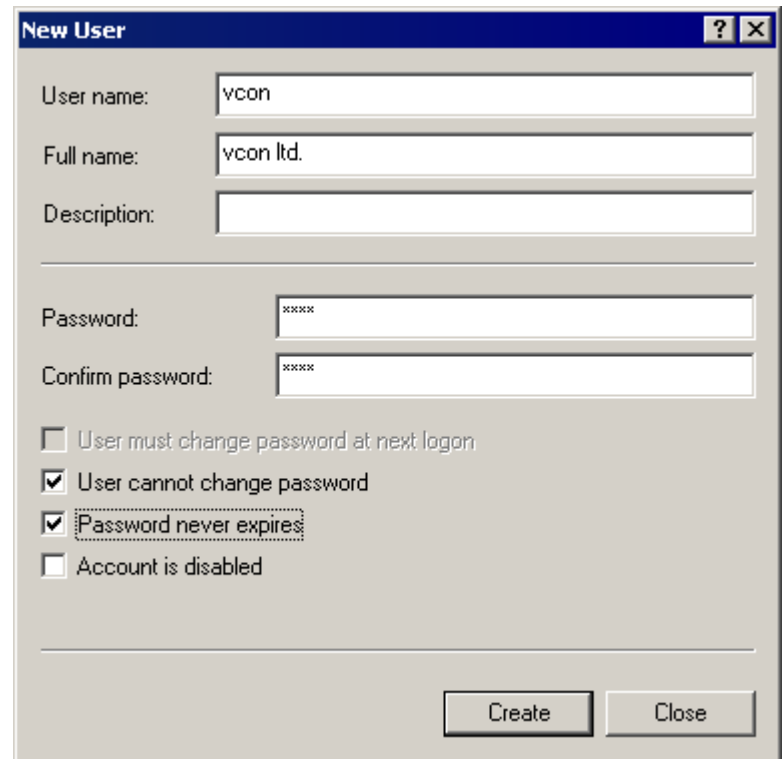
**Password** The password required to access the FTP site, as defined in step 2.

**User must change password at next logon** Deselect this option.

**User cannot change password** Select this option. The password must only be controlled by the system administrator.

**Password never expires** Select this option. There is no defined time limit for this password and this setting overrides the **Maximum Password Age** defined in other Group Policy settings.

5. Click **Create**.



The screenshot shows the 'New User' dialog box with the following fields and options:

- User name: vcon
- Full name: vcon ltd.
- Description: (empty)
- Password: xxxx
- Confirm password: xxxx
- User must change password at next logon
- User cannot change password
- Password never expires
- Account is disabled
- Buttons: Create, Close

### *Creating an IPNexus Folder on the FTP/Web Server*

Create a folder on the FTP/Web Server for data sharing between IPNexus clients. All files and applications shared between IPNexus users will be uploaded to this location.

#### ► **To create the IPNexus folder**

1. On the Web Server computer, create a new folder and give it a name such as *ipnexus*.
2. Right-click the new folder and then click **Properties**. The folder's Properties dialog box appears.
3. In the **Sharing** tab, select **Share This Folder** and click **Apply**.
4. Click **Permissions**. The Permissions for [*share name*] appears.
5. In the **Share Permissions** tab, click **Add**. The Select Users, Computers or Groups dialog box appears.
6. Select the IPNexus User type that you created in the previous section. Click **Add** and then click **OK**.
7. In the Permissions dialog box, select the IPNexus User type and then select **Full Control**. This provides full read and write privileges to this folder.

### *Setting Up Web Sharing*

To enable web sharing, define permissions for the IPNexus folder.

► **To set up web sharing**

1. Right-click the IPNexus folder and then click **Properties**. The folder's Properties dialog box appears.
2. Click the **Web Sharing** tab.
3. Select **Share This Folder**. The Edit Alias dialog box appears.
4. In the **Access Permissions** area, select all the permissions (**Read, Write, Script Source Address, Directory Browsing**). In the **Application Permissions** area, select **Execute**.

Click **Apply**. Keep this dialog box open.

### *Defining Permissions for the IPNexus User*

Assign full control permissions in the IPNexus folder to the IPNexus User type.

#### ► **To define permissions for IPNexus Users**

1. In the IPNexus folder's Properties dialog box, click the **Security** tab.
2. Click **Add**. In the Select Users or Groups dialog box, select the IPNexus User type. Click **Add** and then click **OK**.
3. In the **Permissions** list, select the IPNexus User type and then select **Full Control**. This provides full read/write privileges for the IPNexus User.
4. Click **OK**.

### Defining FTP Properties in the MXM

Data collaboration with IPNexus requires access to an FTP site where clients can send and receive data (files, shared applications, etc.). In the MXM Administrator, specify the information about the FTP site that your organization is using for this purpose.

#### ► To define the FTP access properties in the MXM

1. In the Windows taskbar, click **Start**, point to **Programs**, **VCON's IPNexus Server**, and then click **NexusMXMConfig**. Enter the MXM's IP Address.
2. In the MXM Administrator, double-click the IPNexus Server object listed under System Servers. In the Properties dialog box, click the **FTP** tab.
3. Enter the following properties:

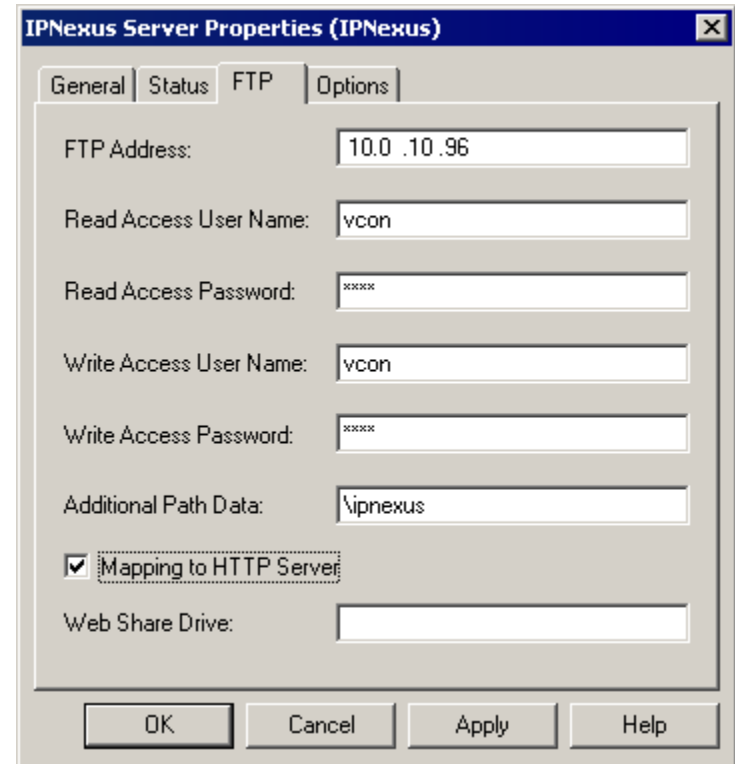
**FTP Address** IP address of the FTP server.

**Read/Write Access User Names & Passwords** User name and password required to access the FTP site. This name must be entered by all IPNexus Clients when they log in to the FTP site. We recommend that you use the same user name and password for both Read and Write.

**Additional Path Data** Path of the IPNexus folder (under the root) on the FTP server.

**Mapping to HTTP Server** Select this option. The IP-Nexus Server uses the same folder as the FTP site and as a website.

Click **OK**. The IPNexus Server is now set up.



The screenshot shows the 'IPNexus Server Properties (IPNexus)' dialog box with the 'FTP' tab selected. The fields are filled with the following values:

Property	Value
FTP Address:	10.0 .10 .96
Read Access User Name:	vcon
Read Access Password:	*****
Write Access User Name:	vcon
Write Access Password:	*****
Additional Path Data:	\ipnexus
Mapping to HTTP Server:	<input checked="" type="checkbox"/>
Web Share Drive:	

Buttons at the bottom: OK, Cancel, Apply, Help.