



IP Manager Help Contents

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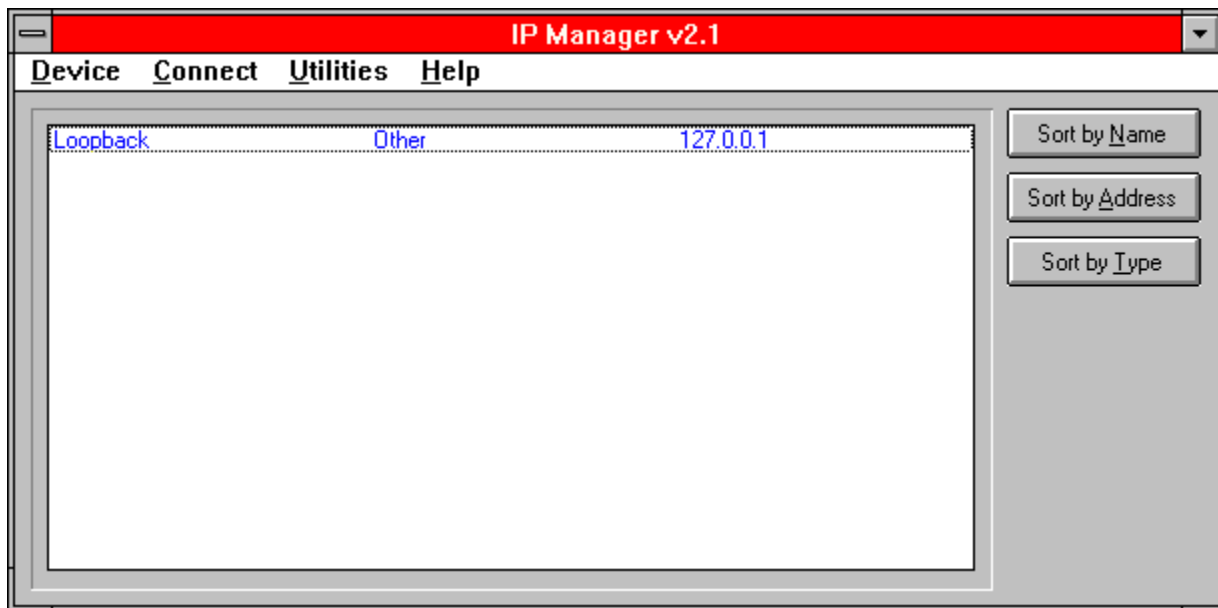
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The Device Viewer



The Device Viewer presents all IP devices entered in IP Manager's database. The listing can be sorted according to name, address, or type. Multiple selections are supported for ease in mass deletion. Use the CTRL and SHIFT keys in conjunction with clicking the mouse to selected multiple devices. The Device Viewer can be resized when necessary.

The Device Menu

Devices can be added, modified, or deleted through the Device Menu. Add Device, or F2, adds a device. Modify Device, or F3, modifies the device currently selected. Delete Device, or Del, deletes the device currently selected. (A device must be selected before it may be modified or deleted.)

Exit, or Ctrl-X, exits IP Manager.

The Connect Menu

The Connect Menu has options for FTP, Ping & Telnet. FTP can open an FTP session to the currently selected device. Ping 'pings' the currently selected device. Telnet opens a Telnet session to the currently selected device. See Configure IP Utilities for further information.

The Utilities Menu

The Configure option allows the location specification of FTP, Ping, and Telnet

The Export to Hosts File option will create a Unix hosts file of all the devices in the database to a specified file.

The Import From Hosts File option will import IP addresses and device names from any valid hosts file.

The Print Device List option will send a listing of all devices in the database to the default printer.

The Print Setup option will allow the default printer to be changed from within IP Manager.

The Help Menu

Contents displays this help file.

Search For Help On... searches help for a keyword.

About displays a message box with basic information about IP Manager.



Add Device

Add Device

IP Address:

Device Name:

Brief Description: ↑
↓

Device Type

| | | |
|-------------------------------|-------------------------------|--|
| <input type="radio"/> Bridge | <input type="radio"/> Host | <input type="radio"/> Server |
| <input type="radio"/> Client | <input type="radio"/> M-frame | <input type="radio"/> Station |
| <input type="radio"/> ConcHub | <input type="radio"/> Micom | <input type="radio"/> User |
| <input type="radio"/> Gateway | <input type="radio"/> Router | <input checked="" type="radio"/> Other |

FTP Profile:

Telnet Profile:

The window above is displayed when Add Device is selected. An IP address and device name are mandatory entries. The description field is purely for reference. The device type defaults to Other. Simply click on a device type to choose a new device type.

The fields for FTP Profile and Telnet Profile are to indicate specific parameters to be used by FTP and Telnet (see [Configure IP Utilities](#)) for the current IP device. If no parameter is specified, the IP address of the device is used. To quickly locate and choose a parameter, use the Browse button to the right of the field. See [The Browser](#).

Any IP address entered must be unique. If an invalid IP address, or an IP address already in use by another device is entered, it must be changed. IP Manager will automatically detect duplicate and invalid IP addresses and notify the user via a message box.

When finished, click Add to add the device. After the device is added, IP Manager prompts if another device is to be added. Choose Yes or No accordingly. To cancel a device addition, click Cancel.



Modify Device

Modify Device

| | |
|--------------------|---------------------|
| IP Address: | 127.0.0.1 |
| Device Name: | LoopBack |
| Brief Description: | Typical IP loopback |

Device Type

| | | |
|-------------------------------|-------------------------------|--|
| <input type="radio"/> Bridge | <input type="radio"/> Host | <input type="radio"/> Server |
| <input type="radio"/> Client | <input type="radio"/> M-frame | <input type="radio"/> Station |
| <input type="radio"/> ConcHub | <input type="radio"/> Micom | <input type="radio"/> User |
| <input type="radio"/> Gateway | <input type="radio"/> Router | <input checked="" type="radio"/> Other |

| | | |
|-----------------|----------------------|---------|
| FTP Profile: | D:\PROFILES\LOOP.PRF | Browser |
| Telnet Profile: | | Browser |

The window above is displayed when Modify Device is selected. The current information for the device selected is displayed. Change the information according to the device's new status.

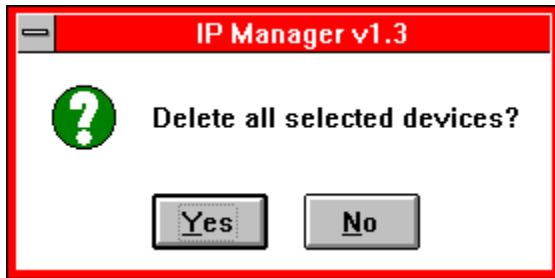
The fields for FTP Profile and Telnet Profile are to indicate specific parameters to be used by FTP and Telnet (see [Configure IP Utilities](#)) for the current IP device. If no parameter is specified, the IP address of the device is used. To quickly locate and choose a parameter, use the Browse button to the right of the field. See [The Browser](#).

Any IP address entered must be unique. If an invalid IP address, or an IP address already in use by another device is entered, it must be changed. IP Manager will automatically detect duplicate and invalid IP addresses and notify the user via a message box. If multiple devices are selected and Modify Device is clicked, the last device selected before the Modify operation will be the subject of the current modification.

When finished, click Modify to modify the device. To cancel a device addition, click Cancel.



Delete Device



When Delete Device is selected, IP Manager prompts to confirm the deletion of all devices currently selected. Choose Yes or No accordingly. Any associated profiles will also be deleted from the database.

Once a device is deleted it must be reentered from scratch.



FTP, Ping & Telnet

An FTP, Ping or Telnet session may be initiated with a device by selecting the device and then the appropriate utility from the Connect Menu. If a utility is currently unavailable, it will be grayed out in the Connect Menu. These utilities are not integrated into IP Manager, but can be configured as external IP utilities.

For information about specifying external IP utilities, see [Configuring IP Utilities](#) in this help file.



Configure IP Utilities

The screenshot shows a dialog box titled "Configure" with a red header. It contains three rows for "FTP", "Ping", and "Telnet", each with a text input field and a "Browser" button. Below these is a "Default IP Segment" section with three radio buttons: "Class A" (selected), "Class B", and "Class C". Under "Class A" are three text input fields, the first containing "127". At the bottom of this section is a checkbox labeled "Disable Default IP Segment". At the very bottom of the dialog are "OK" and "Cancel" buttons.

IP Manager does not have IP support built in. However, FTP, Ping & Telnet sessions can be launched through external IP utilities.

The Configure IP Utilities window allows for the specification of external IP programs for FTP, Ping & Telnet. Enter the complete path name of each utility in the corresponding field. If a utility is unavailable, or it is to be disabled, leave the field blank.

External Utility Requirements:

Any external utility which supports the IP protocol can be used. If a configuration file is to be loaded for a device, be sure to specify this file in the FTP or Telnet Profile. See Add Device, Modify Device for information on indicating a profile. If your IP utility is able to accept a raw IP address as a parameter, leave the profile fields blank. A Windows utility is recommended, although not mandatory.

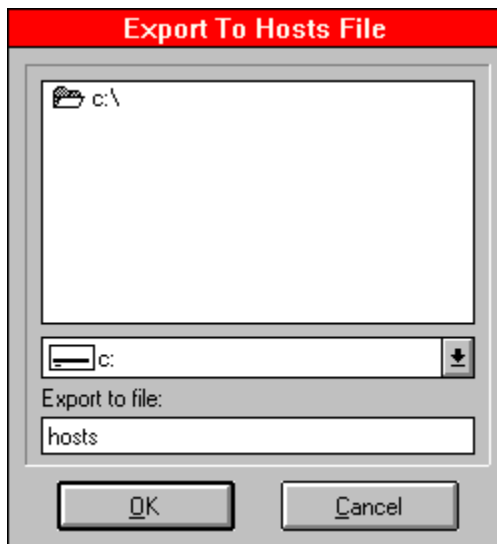
Any utilities launched from IP Manager will NOT close when IP Manager is closed. They must be closed individually.

Default IP Segment:

A default IP segment can also be specified. If enabled, the value specified will automatically be placed in the IP address field when adding new devices.



Export to Hosts File



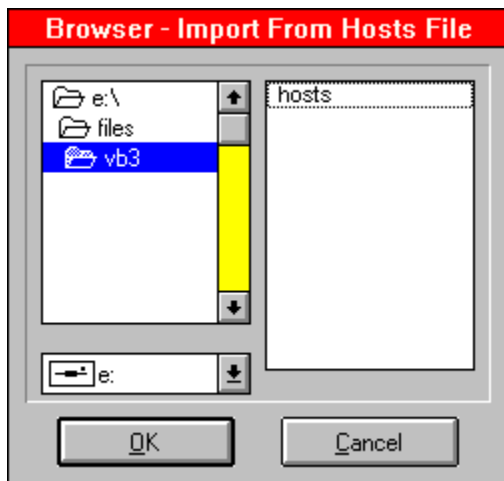
The window above is displayed when Export to Hosts File is selected. Use the drive and directory boxes to select the location of the exported hosts file. Enter the name of the file to be created in the Export to file: text box. Click OK to create the hosts file, or Cancel to abort the operation. Note that any existing file will be overwritten.

The information exported to the hosts file includes the IP address, the device name, and the brief description of the device. Each entry exported to the host file will have the following format:

```
#default loopback device  
127.0.0.1          Loopback
```



Import From Hosts File

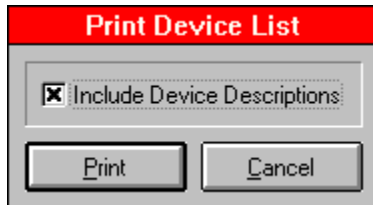


Use the Import From Hosts File option to import IP devices from an existing hosts file into IP Manager's database. Select any valid hosts file from which to import using the browser.

If any errors occur when importing IP devices, they are written to IMPORT.ERR in the same directory as IPMGR.EXE.



Print Device List



Print Device List sends a listing of all IP devices in the database to the default printer. Set the default printer with Control Panel, Printers. Control Panel is in the Main Group within Program Manager.

The print out includes the IP address, device name, and device type. The Include Device Descriptions checkbox, when checked, will also print the device description (as defined in the Brief Description text box when adding or modifying a device). Clear this checkbox to omit device descriptions.

Print Device List prints the devices in the order they appear in the Device Viewer. Therefore, if you wish the print out to be sorted by device name, sort the Device Viewer prior to printing the device list.



Print Setup

Print Setup

Printer

Default Printer
[currently HP LaserJet IIIIP on LPT1:]

Specific Printer:
HP LaserJet IIIIP on LPT1: ▾

Orientation

Portrait

Landscape

Paper

Size: Letter 8 1/2 x 11 in ▾

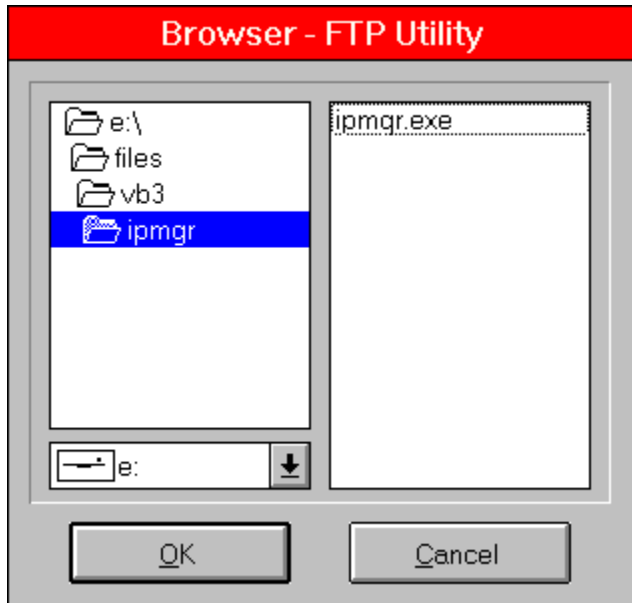
Source: Upper Tray ▾

OK
Cancel
Options...

Selecting Print Setup allows the default printer to be changed. Any output from IP Manager will be directed to the printer specified in the Print Setup dialog box. Note: Using Print Setup changes the Windows default printer and affects all Windows programs.



The Browser



The Browser provides a consistent way to select IP utilities, profiles, and hosts files. When selecting IP Utilities, the Browser will only display files with EXE, COM, PIF, or BAT extensions. (It is possible to have IP Manager launch DOS IP Utilities, although Windows applications are suggested.) When selecting other files, all file types will be displayed.



Profiles

Why specify profiles? Many IP Utilities (Novell's LAN Workplace, for example) allow for a configuration file, or profile, to be saved for each device which specifies color, font, window size, etc. Also, many IP Utilities that use these profiles do not accept a raw IP address as a parameter. Therefore, by specifying a profile, these types of programs can be used to their fullest potential and IP Manager can be used as a front end to launch them.



Popup Menu

| |
|----------------------|
| Add Device |
| Modify Device |
| Delete Device |
| FTP |
| Ping |
| Telnet |
| Cancel |

A popup menu is available while in the device viewer to speed data manipulation. To activate the menu, click the right mouse button anywhere in the Device Viewer. Then, simply click on the appropriate menu item.



About IP Manager

IP Manager (c) 1994 by Scott Davenport

IP Manager is designed to help keep track of IP addresses in a local or wide-area network. See the [Revision History](#) for details on new additions to this revision, as well as a look at IP Manager's progression.

Technical Information:

IP Manager is written in Visual Basic 3.0. All DLL and VBX files included with IP Manager should be copied to the Windows SYSTEM directory (although on some systems this may not be mandatory). All other files may be in any other directory, provided they are kept together. Also, make sure that SHARE is loaded before running Windows.

File Information:

The following files may be placed in any directory, provided they are kept together:

- IPMGR.EXE -- the main executable.
- IPMGR.HLP -- the help file.
- DEVICES.IPM -- the main database file which holds the address, name, type, and description of each device. In a client-server environment should reside on the server.
- PROFILES.____ -- an empty shell of PROFILES.IPM. It is copied to the Windows directory if PROFILES.IPM is not found.
- SEGMENT.INI -- an initialization file pertaining to the specification and status of a default IP segment. See [Configure IP Utilities](#) for further details.

The following files should be in the Windows SYSTEM directory. They may also be stored in the directory containing the files described above.

- VBRUN300.DLL -- the Visual Basic Runtime Library
- THREED.VBX -- provides 3D controls (option buttons, etc.)
- VBDB300.DLL -- part of the database engine
- MSAES100.DLL -- part of the database engine
- MSAJT110.DLL -- part of the database engine

The following files are stored in the Windows directory by IP Manager.

- PROFILES.IPM -- contains the profile information (if specified) for each IP device. This way, each user can have different profiles for a single device.
- IPMGR.INI -- records the external IP utilities and the window position of the Device Viewer.

Minor Problems:

When sorting by IP Address, a string sort is performed as opposed to a numeric sort. This can result in some addresses being slightly out of sequence. This problem exists because I am using the built in sorting capability of a Visual Basic List Box, which only supports text. Perhaps in a future release, I will develop an external sorting routine to correct this problem.

Registration:

If you find IP Manager useful, please register and support revisions and future versions of IP Manager. Registration is \$20 (US Dollars). Site licenses are available for \$200 per site.

Registration entitles you to free maintenance updates, and reduced upgrades. Also, you will receive a new executable with the "annoyance box" disabled and the limitation on device entry removed. If you have any questions about or suggestions for IP Manager, they are welcomed.

Registration:

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Revision History

Version 2.1:

- Ability to resize the Device Viewer.
- "Friendliness" enhancement to auto-highlight a device in the device viewer that has just been added/modified.
- Bug fix for the 'Device Unavailable' error (or similar path error)
- Bug fix for refreshing the Connect Menu after configuring IP utilities.
- Bug fix for importing devices with multiple aliases from a hosts file. Now the primary alias is used as the device name.
- Bug fix for Class C default segments reporting invalid IP numbers for specified class.

Version 2.0:

- Ability to specify a default IP segment.
- Multiple selections/mass deletions in device viewer.
- Right-mouse button Popup Menu now available for major functions.
- Printer selection from within IP Manager.
- "Friendliness" enhancements in handling duplicate or invalid IP addresses.
- Context sensitive help.

Version 1.2:

- Exporting database information to an IP hosts file is now supported.
- Importing IP devices from any valid hosts file is now supported.
- The tab stops in the Device Viewer no longer stagger.
- The bug which left portions of IP Manager in memory when exiting via the control box has been corrected.

Version 1.0

- Full database functionality for adding, modifying and deleting IP devices.
- Ability to launch FTP, Ping, and Telnet sessions.

