

PortAssist Manager

Introduction

- [PAM Architecture](#)
- [PAM Requirements](#)
- [About Alarms](#)
- [About UDP and HTTP Ports](#)

Setup Overview

- [Setup Overview](#)

Installation

- [Installing a Downloaded Copy of PortAssist Manager](#)
- [Uninstalling PortAssist Manager](#)

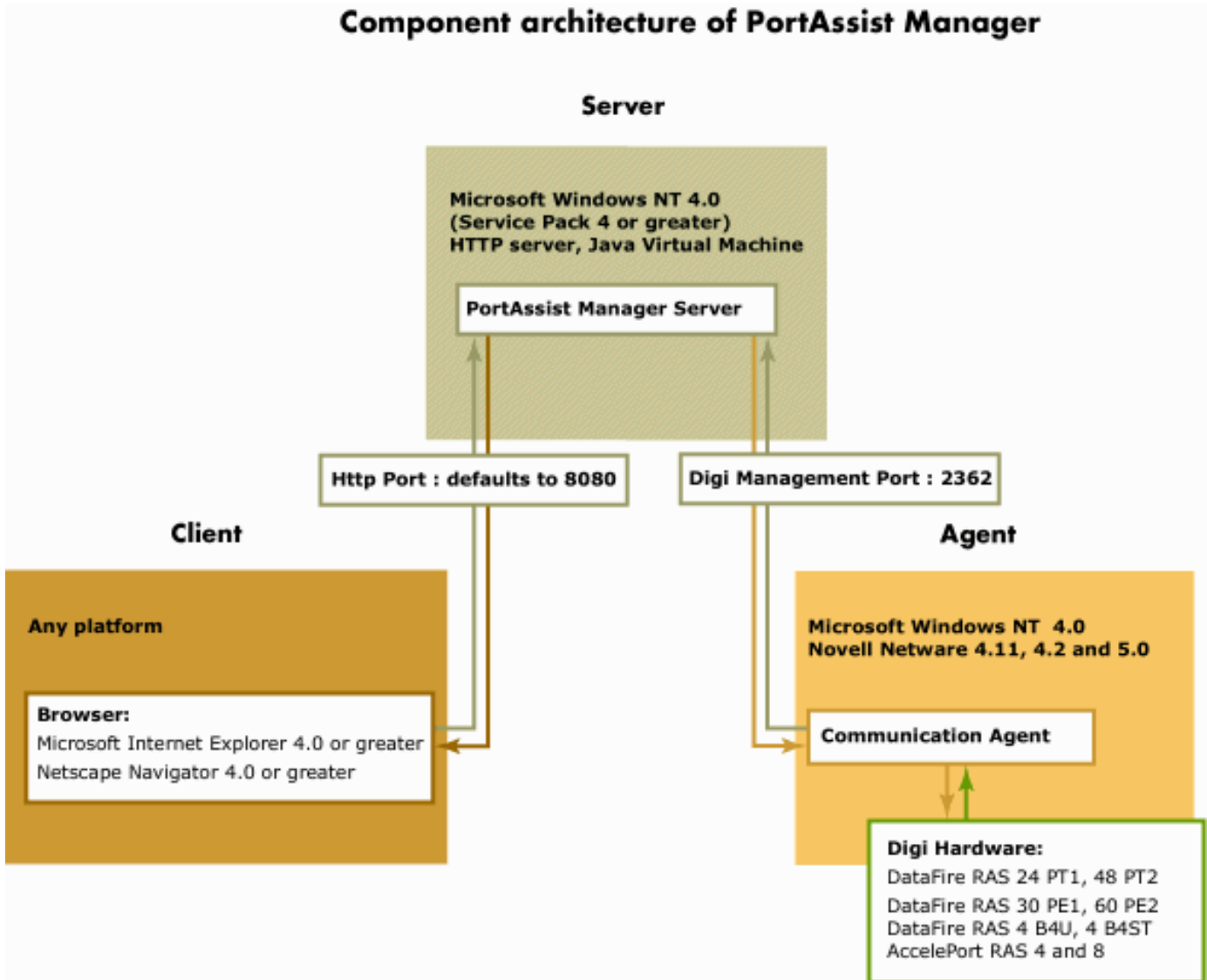
Configuration and Use

- [Adding and Deleting Users](#)
- [Adding and Deleting Systems](#)
- [Reconfiguring the HTTP Port](#)
- [Reconfiguring the Agent UDP Port on NT 4.0](#)
- [Reconfiguring the Agent UDP Port on NetWare](#)
- [Automatically Loading the PortAssist Agent in NetWare](#)
- [Busying Out Modem Connections](#)
- [Clearing a Busied-Out Channel](#)

PortAssist Manager Architecture

PortAssist Manager consists of the following components:

- One or more systems with Digi adapters that are managed by the PortAssist Manager. These can be Windows NT 4.0 systems and NetWare 4.11, 4.2, or 5.0 systems.
- A system running the PortAssist Manager application, which can be one of the systems that host a Digi adapter or any other system that meets installation requirements. See [Installation Requirements](#) for more information.
- Systems on which users perform PortAssist Manager tasks, which can be one of the systems hosting a managed Digi adapter, the system running the PortAssist Manager or another system that meets installation requirements. The following figure depicts PortAssist architecture.





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Installation Requirements

This topic describes PortAssist Manager installation requirements.

Server Requirements

The system that will run the PortAssist Manager must meet the following requirements:

- Installation of Windows NT 4.0 with Service Pack 4 or greater
- Installation of Java Virtual Machine 1.15 or greater
- At least 5 MB of free disk space

Client System Requirements

Systems used for monitoring Digi adapters must meet the following requirements:

- A connection to the network on which the server hosting the Digi adapters and the server running the PortAssist Manager reside
- Installation of either Internet Explorer 4.0 (or later) or Netscape Navigator 4.0 (or later). Both browsers must be set to accept "cookies." The warning associated with receipt of cookies must be turned off as well.

Driver Requirements

Digi adapters that will be monitored by PortAssist Manager must be using driver release F or greater.

About Alarms

Alarm Type	Indication and Corrective Action
Red	Means loss-of-signal or out-of-frame condition. Ensure that the cable is plugged in and configured properly. Also ensure that the driver is configured for the line encoding used by the telephone company. If you cannot correct the problem, call the telephone company.
Yellow	Usually means that the telephone company is testing the line. If this condition persists, call the telephone company. This alarm may also indicate that the driver's long-haul/short-haul configuration is wrong. Have the telephone company confirm the distance to the nearest repeater and then ensure that the driver's configuration is correct.
Blue	Means that the telephone company is testing the line. If this condition persists, call the telephone company.
Gray	Means a DataFire RAS B4STU is alarming.

About UDP and HTTP Ports

The Digi driver's communication agent, PortAssist Manager, and the client browser use protocol ports to communicate.

The default UDP port for communication between the agent and PortAssist Manager is 2362, which was assigned to Digi by the Internet Assigned Number Authority (IANA). Although you can change this port number, you should never have to. If another application uses it, the best way to deal with the conflict is to reconfigure the application to use another UDP port, one that has not been assigned by the IANA.

The default HTTP port for communication between PortAssist Manager and the client browser is 8080, which is the standard fallback port for HTTP servers. You may want to change this port for one of the following reasons:

- No primary HTTP server uses port 80, the well-known port for HTTP servers, and you want to simplify the URL required to access PortAssist Manager. (If you use port 80, users do not have to specify the port when they enter the URL.)
- A secondary HTTP server already uses port 8080.

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Setup Overview for Windows NT

This topic describes the major tasks required to install PortAssist Manager on a Windows NT 4.0 system and then start and configure PortAssist Manger.

Setup Steps

1. Understand key concepts. See [PortAssist Manager Architecture](#).
2. Ensure that installation requirements are met. See [Installation Requirements](#).
3. Install the PortAssist Manager on a Windows NT 4.0 system and complete an initial configuration. See [Installation and Initial Configuration on Windows NT 4.0](#).

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Installation and Initial Configuration on Windows NT 4.0

This topic describes how to install, start, and configure the PortAssist Manager application on a Windows NT 4.0 system. It assumes that you have downloaded PortAssist Manager from the PortAssist Manager web site (www.portassist.com) and ensured that your Windows NT 4.0 system meets [system requirements](#).

Procedure

1. Navigate to the folder with the PortAssist Manager software.
2. Double-click setup.exe.
3. Follow the prompts to complete installation. When the installation is complete PortAssist Manager will be automatically started as a Windows NT service.

Note: If the installation program cannot find a supported Java Virtual Machine, you will be prompted to specify a path to this software or to acquire it from portassist.com/jvm.

4. If you want to change the PortAssist Manager HTTP port (the default is 8080) do the following: (a) Select Start > Programs > Digi PortAssist Manager > Configure HTTP Port. (b) Specify a new port and then press OK. (c) Press Done.
5. Complete initial configuration, which involves assigning an administrator password, configuring a list of users, and configuring a list of systems to manage. To complete these tasks, do the following:
 - Using one of the supported browsers, access the system that is running PortAssist Manager: http://system_name:8080. Note: If you reconfigured the PortAssist Manager HTTP port to port 80, which is the HTTP protocol default, specifying the port number is not required.
 - Choose Launch PortAssist Manager. (This step can also be done at the server by choosing Start > Programs > Digi PortAssist Manager > Launch PortAssist Manager).
 - Sign on to PortAssist Manager. Note: The administrator user name is admin. You cannot change this user name, but you must specify (and then remember) an administrator password.
 - Use the configuration screens and online help to assist you in assigning a password to the administrator, configuring a list of users (and their passwords), and a list of systems for PortAssist Manager to manage.

Uninstalling PortAssist Manager on Windows NT

This topic describes how to uninstall PortAssist Manager on a Windows NT 4.0 system.

Procedure

1. Select Start > Control Panel > Add/Remove Programs.
2. Select PortAssist Manager from the list of installed programs.
3. Press Add/Remove.
4. Follow the prompts to complete removal of the program.

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Adding and Deleting Users

This topic describes how to add and delete users, which requires Administrator privileges.

Procedure

1. Log on to PortAssist Manager. Note: User names are not case sensitive, but passwords are.
2. Press Setup.
3. Select User List.
4. To delete a user, press the Delete label in the appropriate row.
5. To add a user, provide appropriate information and then press Add. Use the online help for information on configuration fields.

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Adding and Deleting Managed Systems

This topic describes how to add and delete managed systems. You must have administrator or advanced privileges to add or delete systems.

Procedure

1. Log on to the system.
2. Press Setup.
3. Select System List.
4. To delete a system, press the Delete label associated with the system.
5. To add a system, do the following: (a) Provide a display name for the system. This name must be 32 or fewer characters. (b) Specify a valid DNS name or IP address for the system. (c) Assign a UDP port number (agent number) for PortAssist Manager to use when communicating with the PortAssist agent on the managed system. You will only need to change the default port number if it is in use already on the system that houses the adapters. If you change the UDP port number here, you must also change it in the driver configuration. See the driver documentation for more information. (d) Press Add.

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Reconfiguring the PortAssist Manager HTTP Port

This topic describes how to reconfigure the PortAssist Manager HTTP port. The default port is 8080. You will want to change this port if it is already in use on your system. You may also want to change it to port 80 to simplify access by browsers.

Procedure

1. Select Start > Programs > Digi PortAssist Manager > HTTP Port.
2. Specify a new port and then press OK.
3. Press Done.

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Changing the Agent's UDP Port on Windows NT 4.0

This topic describes how to change the UDP port used by the managed adapter's communication agent to communicate with PortAssist Manager. The default UDP is 2362, which was assigned to Digi by the Internet Assigned Number Authority (IANA). Although you can change this port number, you should never have to. If another application uses it, the best way to deal with the conflict is to reconfigure the application to use another UDP port, one that has not been assigned by the IANA.

Note: When you change the UDP port that the agent uses, you must also change the port that PortAssist Manager uses to communicate with the agent. Use the PortAssist Manager System Setup screen for this purpose.

Procedure

1. From the Windows NT 4.0 Start menu, choose Control Panel > Network > Services.
2. Select Digi PortAssist Manager Communication Agent and then press Properties.
3. Change the UDP port number as required and then press OK.

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Changing the Agent's UDP Port on NetWare

This topic describes how to change the UDP port used by the managed adapter's communication agent to communicate with PortAssist Manager. The default UDP is 2362, which was assigned to Digi by the Internet Assigned Number Authority (IANA). Although you can change this port number, you should never have to. If another application uses it, the best way to deal with the conflict is to reconfigure the application to use another UDP port, one that has not been assigned by the IANA.

Procedure

Command: Type `load digipama port-num` (where `port-num` is a UDP port)

Example: `load digipama 8080`

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Automatically Loading the PortAssist Agent

This topic describes how to edit the `autoexec.ncf` file to ensure that the PortAssist agent is automatically loaded on the server each time it is initialized. This topic assumes that the drivers for the Digi adapters that will be monitored by PortAssist Manager are already installed.

Procedure

1. From the NetWare server console, type the following: `load edit sys:system\autoexec.ncf` and then press `<Enter>`.

The `autoexec.ncf` file is displayed.

2. Navigate to the end of the file.
3. Type `load digipama`, press `<ESC>`, and then answer Yes.
4. Press `<ESC>` again.
5. Restart the server to load the PortAssist Manager agent.
6. Verify that the PortAssist Manager agent is installed by typing `modules digipama` and then pressing `<Enter>`.

If the agent has been properly loaded, information about it will appear.

Busying Out a Modem Channel

This topic describes how to busy out a modem channel, which is the means by which you disable a channel. Note: Busy out will terminate an active call.

1. Access the busy out function from one of the following:

Adapter	Screen
DataFire RAS PT1 or PT2 (Channelized T1 configurations only)	Line Summary Screen
Acceleport RAS 4/8	Modem Summary Screen

2. Click the Busy Out label associated with the channel you want to busy out.
3. Choose to Delayed Busy Out until the channel is free or Busy Out, which means busy out the channel immediately.
4. Click OK.

Clearing a Busied-Out Modem Channel

This topic describes how to clear a modem channel that previously has been busied out. That is, it enables the channel to handle traffic again.

1. Access the clearing function from one of the following:

Adapter	Screen
DataFire RAS PT1 or PT2 (Channelized T1 configurations only)	Line Summary Screen
Acceleport RAS 4/8	Modem Summary Screen

2. Click the Clear label associated with the busied-out channel you want to clear.
3. At the prompt, click OK.

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