

# **Adabas Manager Communicator Documentation**

## **Adabas Manager Communicator User's Guide**

Version 2.2

October 2021

This document applies to Adabas Manager Communicator Version 2.2 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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## Preface

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This document describes Adabas Manager Communicator and explains how to use and maintain it.

It is intended for system administrators in your enterprise.

This document is organized as follows:

<i>Concepts</i>	Introduces you to Adabas Manager Communicator.
<i>Release Notes</i>	Describes the new and changed features in this version of Adabas Manager Communicator.
<i>Installing and Uninstalling Adabas Manager Communicator</i>	Describes the prerequisites of the Adabas Manager Communicator how to install it.
<i>About the System Management Hub</i>	Introduces you to the System Management Hub and explains how to access it and leave it.
<i>Reviewing Adabas Manager Communicator Information</i>	Describes where you can get information about Adabas Manager Communicator in the System Management Hub.
<i>Glossary</i>	Provides a glossary of terms in use for Adabas and Entire Net-Work products.

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# 1 About this Documentation

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## Document Conventions

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Convention	Description
<b>Bold</b>	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <i>folder.subfolder.service</i> , APIs, Java classes, methods, properties.
<i>Italic</i>	Identifies:  Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
Monospace font	Identifies:  Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the   symbol.
[ ]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [ ] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

## Online Information and Support

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### Software AG Documentation Website

You can find documentation on the Software AG Documentation website at <https://documentation.softwareag.com>.

### Software AG Empower Product Support Website

If you do not yet have an account for Empower, send an email to [empower@softwareag.com](mailto:empower@softwareag.com) with your name, company, and company email address and request an account.

Once you have an account, you can open Support Incidents online via the eService section of Empower at <https://empower.softwareag.com/>.



You can find product information on the Software AG Empower Product Support website at <https://empower.softwareag.com>.

To submit feature/enhancement requests, get information about product availability, and download products, go to [Products](#).

To get information about fixes and to read early warnings, technical papers, and knowledge base articles, go to the [Knowledge Center](#).

If you have any questions, you can find a local or toll-free number for your country in our Global Support Contact Directory at [https://empower.softwareag.com/public\\_directory.aspx](https://empower.softwareag.com/public_directory.aspx) and give us a call.

### **Software AG TECHcommunity**

You can find documentation and other technical information on the Software AG TECHcommunity website at <http://techcommunity.softwareag.com>. You can:

- Access product documentation, if you have TECHcommunity credentials. If you do not, you will need to register and specify "Documentation" as an area of interest.
- Access articles, code samples, demos, and tutorials.
- Use the online discussion forums, moderated by Software AG professionals, to ask questions, discuss best practices, and learn how other customers are using Software AG technology.
- Link to external websites that discuss open standards and web technology.

## **Data Protection**

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Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.

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## 2 Concepts

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Adabas Manager Communicator (AMC) is an internal component product that is used to facilitate Adabas Manager communications with Adabas databases and other Software AG products.

Adabas Manager Communicator is a middleware component used by Adabas Manager to locate, communicate with, and administer Adabas LUW databases. It provides a list of known databases along with their current status to Adabas Manager and forwards requests received from Adabas Manager to the appropriate database target for administration.

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# 3 Release Notes

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Adabas Manager Communicator (AMC) facilitates communication between Adabas Manager, Entire Net-Work, and other Software AG products.

This chapter describes the new and changed features of Adabas Manager Communicator Version 2.2.

## Enhancements

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The primary change in the release of Adabas Manager Communicator Version 2.2 is enhanced functionality to support Adabas Manager Version 8.6 enhancements.

Fixes to Adabas Manager Communicator will be delivered using the Software AG Update Manager. For more details, see the section *Installing and Uninstalling Adabas Manager Communicator* of this documentation.

## End of Maintenance

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For information on how long a product is supported by Software AG, access Software AG's Empower web site at <https://empower.softwareag.com>.

Log into Empower. Once you have logged in, you can expand **Products** in the left menu of the web page and select **Product Version Availability** to access the Product Version Availability application. This application allows you to review support information for specific products and releases.

## Documentation and Other Online Information

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The following online resources are available for you to obtain up-to-date information about your Software AG products:

- [Software AG Documentation Website](#)
- [Software AG TECHcommunity](#)

- [Software AG Empower Product Support Website](#)

## Software AG Documentation Website

You can find documentation for all Software AG products on the Software AG Documentation website at <https://documentation.softwareag.com>. This site requires Empower credentials. If you do not have an Empower user ID and password yet, you will find instructions for registering on this site (free for customers with maintenance contracts) or you can also use the TECHcommunity website to access the latest documentation.

## Software AG TECHcommunity

You can find documentation and other technical information on the Software AG TECHcommunity website at <http://techcommunity.softwareag.com>. You can:

- Access product documentation, if you have TECHcommunity credentials. If you do not, you will need to register and specify "Documentation" as an area of interest. If you already have TECHcommunity credentials, you can adjust your areas of interest on the TECHcommunity website by editing your TECHcommunity profile. To access documentation in the TECHcommunity once you are logged in, select **Documentation** from the **Communities** menu.
- Access articles, demos, and tutorials.
- Use the online discussion forums, moderated by Software AG professionals, to ask questions, discuss best practices, and learn how other customers are using Software AG technology.
- Link to external websites that discuss open standards and web technology.

## Software AG Empower Product Support Website

You can find product information on the Software AG Empower Product Support website at <https://empower.softwareag.com>. This site requires Empower credentials. If you do not have an Empower user ID and password yet, you will find instructions for registering on this site (free for customers with maintenance contracts).

To submit feature/enhancement requests, get information about product availability, and download products and certified samples, select **Products & Documentation** from the menu once you are logged in.

To get information about fixes and to read early warnings, technical papers, and knowledge base articles, select **Knowledge Center** from the menu once you are logged in.





# 4 Installing and Uninstalling Adabas Manager Communicator

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Adabas Manager Communicator is installed using the Software AG Installer. It does not require a license key.

You can download the Software AG Installer from the Software AG Empower website at <https://empower.softwareag.com/>.

This chapter provides product-specific instructions for installing Adabas Manager Communicator. It is intended for use with *Using the Software AG Installer*, which explains how to prepare your machine to use the Software AG Installer and how to use the Software AG Installer and Software AG Uninstaller to install and uninstall your products. The most up-to-date version of *Using the Software AG Installer* is always available in the webMethods product documentation located on the Software AG Empower website (<https://empower.softwareag.com/>).

This chapter covers the following topics:

## Installation Overview

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This product is installed using the Software AG Installer, which you can download from the Software AG Empower website at <https://empower.softwareag.com/>.

Full functionality of this product requires an Adabas Directory Server installed in your enterprise. If you have a Directory Server already installed at your site from an earlier release of Software AG products, you do not need to install it again; your new products can use the existing installation.

The main function of Adabas Manager Communicator is to enable administration of Entire Net-Work on both LUW and Mainframe systems. As such, the Directory Server must be installed on a machine in your network that can be accessed by all machines where Entire Net-Work will be installed (both Entire Net-Work Server and Entire Net-Work Client). It should be installed on a dedicated system that is operational 24 hours a day.

We recommend that you install one Directory Server for use with all the Software AG products that require it.

The Adabas Manager Communicator can be installed locally with every Adabas Manager instance you have installed, or it can be installed on a different machine. Refer to the *Adabas Manager* documentation for details on how to configure Adabas Manager to access a remote Communicator.

## System Requirements

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This section describes the system requirements of Adabas Manager Communicator.

- [Supported Operating System Platforms](#)
- [Supported Hardware](#)
- [Supported Browsers](#)
- [Firewall Requirements](#)

### Supported Operating System Platforms

Software AG generally provides support for the operating system platform versions supported by their respective manufacturers; when an operating system platform provider stops supporting a version of an operating system, Software AG will stop supporting that version.

For information regarding Software AG product compatibility with IBM platforms and any IBM requirements for Software AG products, please review the [Product Compatibility for IBM Platforms](#) web page.

Before attempting to install this product, ensure that your host operating system is at the minimum required level. For information on the operating system platform versions supported by Software AG products, complete the following steps.

1. Access Software AG's Empower web site at <https://empower.softwareag.com>.
2. Log into Empower. Once you have logged in, you can expand **Products & Documentation** in the left menu of the web page and select **Product Version Availability** to access the Product Version Availability screen.
3. Use the fields on the top of this screen to filter its results for your Software AG product. When you click the **Search** button, the supported Software AG products that meet the filter criteria are listed in the table below the filter criteria.

This list provides, by supported operating system platform:

- the Software AG general availability (GA) date of the Software AG product;
- the date the operating system platform is scheduled for retirement (OS Retirement);
- the Software AG end-of-maintenance (EOM) date for the product; and
- the Software AG end-of-sustained-support (EOSS) date for the product.



**Note:** Although it may be technically possible to run a new version of your Software AG product on an older operating system, Software AG cannot continue to support operating system versions that are no longer supported by the system's provider. If you have questions about support, or if you plan to install this product on a release, version, or type of operating system other than one listed on the Product Version Availability screen described above,

consult Software AG technical support to determine whether support is possible, and under what circumstances.

## Supported Hardware

For general information regarding Software AG product compatibility with other platforms and their requirements for Software AG products, visit Software AG's [Hardware Supported](#) web page.

## Supported Browsers

The Adabas Manager requires an Internet browser. For information on supported browsers, see the *webMethods System Requirements* documentation on the Empower web site.

## Firewall Requirements

If you attempt to install and use this software in a system with a firewall in place, be sure that your system administrator has set up the firewall so that the component applications can access the ports they need (including the Adabas Directory Server port and any ports Entire Net-Work dynamically assigns during its own processing). For more information about port usage, read the *Port Number Reference* found elsewhere in this documentation.

## Configuration Considerations

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This section describes configuration issues you should consider before you install Adabas Manager Communicator.

Adabas Manager Communicator requires the use of the Adabas Directory Server; so be sure to have already installed the Directory Server before attempting an Adabas Manager Communicator installation or install the Directory Server at the same time as Adabas Manager Communicator.

- [How Many Adabas Manager Communicators Should You Install?](#)
- [Where Should You Install the Adabas Manager Communicator?](#)

### How Many Adabas Manager Communicators Should You Install?

Install at least one Adabas Manager Communicator with every instance of Adabas Manager you install.

## Where Should You Install the Adabas Manager Communicator?

Adabas Manager Communicator can be installed locally with each Adabas Manager instance or on any other machine in the enterprise.

## Before You Begin

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Before you begin installing this product, ensure that the following prerequisites have been met:

1. Software AG strongly recommends that you create an installation image of your existing Software products and store the image on your internal network. You should create an image for each operating system on which you plan to run the installation (for example, 32-bit, 64-bit, or both). This will help you reduce WAN traffic and speed up installation and will ensure consistency across installations over time, since the Software AG Installer provides only the latest release of each product.
2. This product should not be installed over a previous version. Please remove any previous version of the product before installing this product. For some Software AG products, the Software AG Uninstaller will not be able to remove key files that are locked by the operating system if the associated Software AG products are not shut down.
3. Disable any antivirus software.
4. Ensure the target computer is connected to the network.
5. If this product requires a license key file, verify the license key file is copied somewhere in your environment . Products requiring license key files will not run without valid license keys. For more information, read *The License Key*, elsewhere in this section.
6. Verify your environment supports the system requirements for this product, as described in *System Requirements*, elsewhere in this section.

## Installation Steps

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Adabas Manager Communicator is installed using the Software AG Installer. This installation documentation provides a brief description on how to install the Adabas Manager Communicator directly on the target machine using the installer wizard. For detailed information on the installer wizard, read *Using the Software AG Installer*.



**Note:** Read *Using the Software AG Installer* also if you want to use console mode, or if you want to install using an installation script or installation image.

➤ **To install Adabas Manager Communicator, complete the following steps:**

- 1 Start the Software AG Installer as described in *Using the Software AG Installer*.
- 2 When the first page of the Software AG Installer wizard (the Welcome panel) appears, choose the **Next** button repeatedly, specifying all required information on the displayed panels, until the panel containing the product selection tree appears.

All Adabas-related products can be selected for installation within the **Adabas Family** product selection tree.

When selected for installation, other dependent products under the Infrastructure tree are automatically selected. Do not uncheck these boxes. The **Infrastructure** tree must be selected for all Software AG products; it provides the necessary Java runtime environment for this product.

- 3 To install Adabas Manager Communicator, select (check) the Adabas Manager Communicator entry from the **Adabas Family** product selection tree.
- 4 On the License panel, read the license agreement and select the check box to agree to the terms of the license agreement and then click **Next** to continue. If you do not accept the license agreement, the installation will stop.
- 5 When the **Configure** panel appears, specify:
  - The port number that should be used for Adabas Manager Communicator. The default port number is 4980.
  - The URL and port number for the Directory Server that should be used for this installation. The default is `tcpip://localhost:4952`.
  - Next is the *Allow Cross-Origin Resource Sharing (CORS)* option. If the selection is "YES", the user must specify the *Access Control Allow-Origin (ACAO)* list of sites separated by ";". The default value is "\*", which means any site can access resources provided by Adabas Manager Communicator.

Click **Next** to continue.

- 6 On the last panel, review the items you have selected for installation. If the list is correct, choose the **Next** button to start the installation process.

After Adabas Manager Communicator has been installed, it will start automatically as a system service. You can start and stop it as you would any system service.

## Configuring Product Components for Windows Personal Firewall

If you have the default Microsoft Windows personal firewall enabled on a PC and you would like to install and run Adabas and Entire Net-Work components on that PC, you will need to allow communications through the firewall on certain ports. You can do this in one of two ways: you can allow ports for a specific executable program or you can open specific ports.

- [Allow Ports for a Specific Executable Program](#)
- [Open a Specific Port](#)



**Note:** If you attempt to install Adabas or Entire Net-Work in a system with a firewall in place, be sure that your system administrator has opened the firewall for the Adabas Directory Server port or the installation may not complete successfully.

### Allow Ports for a Specific Executable Program

You can allow a specific executable program to open a port. To do so, issue the following command:

```
C:\>netsh firewall add allowedprogram program="<path and file name>"
name="<component-name>" profile=ALL
```

where *<path and file name>* is the path and file name of the file you want to allow and *<component-name>* is a user-specified name to identify the file you are allowing. The following table lists the common Adabas and Entire Net-Work component files that might need to be allowed if Windows personal firewall is enabled:

Component Name	Path and File Name
Entire Net-Work Client Service	<i>&lt;your-installation-location&gt;</i> \EntireNetWorkClient\bin\wclservice.exe
Entire Net-Work Kernel program	<i>&lt;your-installation-location&gt;</i> \EntireNetWorkServer\bin\wcpkernel.exe
Entire Net-Work Server Service	<i>&lt;your-installation-location&gt;</i> \EntireNetWorkServer\bin\wcpervice.exe
Adabas Directory Server Service	<i>&lt;your-installation-location&gt;</i> \SoftwareAG\SoftwareAgDirectoryServer\bin\xtsdssvcadi.ex

To remove the Adabas or Entire Net-Work component as an allowed program, issue the following command:

```
C:\>netsh firewall delete allowedprogram program="<path and file name>"
profile=ALL
```

where *<path and file name>* is the path and file name of the file you want to disallow.

## Open a Specific Port

To open a specific port for use by an Adabas or Entire Net-Work component in the firewall, issue the following command:

```
C:\>netsh firewall add portopening protocol=TCP port=nnnn  
name="<component-name>" profile=ALL
```

where *nnnn* is the port number you want to open and *<component-name>* is a user-specified name to identify the port you are allowing.

To avoid port number conflicts, read [Port Number Reference](#), later in this guide, for a general list of the ports used by Software AG products.

To close a specific port in the firewall, issue the following command:

```
C:\>netsh firewall delete portopening protocol=TCP port=nnnn profile=ALL
```

where *nnnn* is the port number you want to close.

## Uninstallation Steps

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You uninstall this product using the Software AG Uninstaller. For information on how to use the uninstaller, read the *Using the Software AG Installer* guide.

## Installing Fixes Using Software AG Update Manager

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Adabas Manager Communicator is updated using the Software AG Update Manager (SUM). You should always check whether an update is available immediately after installing the product.



You can download the Software AG Update Manager from the Software AG Empower website at <https://empower.softwareag.com/>.

This SUM installation documentation on Empower provides a brief description on how to update Software AG products directly on the target machine using the Update Manager wizard. The SUM documentation also includes instructions on how to apply updates in console mode or using scripts.


➤ **To update Adabas Manager Communicator, complete the following steps:**

- 1 Download and install Software AG Update Manager for your platform from Empower.



- 2 Shut down any running instances of the product. Updates cannot successfully apply if the application is active.
- 3 From a console prompt in the SUM */bin* directory, enter `UpdateManagerGUI.bat` (`UpdateManagerGUI.sh` on UNIX/Linux).
- 4 On the opening page of the SUM tool, select **Install Fixes from Empower**, enter your SAG product directory root location and provide your Empower User ID and password. Click **Next**.
- 5 Expand through the **Adabas Family** product selection tree to find the entry for this product.
  -  **Tip:** If the product is not shown in the tree, there is either no update available or the product is not installed in the location you specified.
- 6 Select (check) the **Adabas Manager Communicator** entry in the product selection tree. Click **Next**.
  -  **Tip:** You can select more than one product to update before proceeding.
- 7 The next screen presents a summary of products that are about to be updated. If any of them require manual pre-installation steps, they will be highlighted in red and you will be directed to read the update readme file for that product before proceeding.
 

Complete any pre-installation steps outlined in the readme file and check the box next to **Pre-installation steps have been completed**. Click **Next**.

  -  **Note:** If any pre-installation steps are required, the **Next** button will be unavailable until you confirm these steps have been completed.
- 8 The tool will apply updates to all selected products and present you with a final screen confirming updates have been applied. Click **Close** to exit SUM or **Home** to return to the tool's starting panel.

## Uninstalling Fixes Using Software AG Update Manager

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➤ To remove an installed update, complete the following steps:

- 1 Shut down any running instances of the product.
- 2 Start Software AG Update Manager.
- 3 On the opening page, select **Uninstall Fixes** from the selection panel. Click **Next**.
- 4 If any product selected for uninstall requires manual steps, you will be directed to review the update readme and confirm you have performed any pre-uninstallation steps. Click **Next**.

- 5 The fix(es) you selected for uninstall will be removed and the product(s) returned to their previous state. Click **Close** to exit SUM or **Home** to return to the tool's starting panel.

# 5

## About the Adabas Manager

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The Adabas Manager (AMN) is a Web-based graphical user interface (GUI) you can use to perform administrative tasks for some Software AG products, including Adabas Directory Server, and Entire Net-Work. It runs in a standard Web browser.

Before you start using the Adabas Manager, you must set up an administrative user for the product. To do so, consult the *Using Adabas Manager* section of the *Adabas Manager* documentation, available on Empower.



# 6 Reviewing Adabas Manager Communicator Information

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This chapter describes the information about Adabas Manager Communicator you can obtain using AMN. It is organized as follows:

<a href="#">The Adabas Manager Communicator AMN Administration Area</a>	Describes how to access the Adabas Manager Communicator AMN administration area, how to get online help for it, and how to refresh the data that appears in the area.
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## The Adabas Manager Communicator AMN Administration Area

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This section describes how to access the Adabas Manager Communicator AMN administration area.

- [Accessing the Adabas Manager Communicator AMN Administration Area](#)

### Accessing the Adabas Manager Communicator AMN Administration Area

The Adabas Manager (AMN) is a Web-based graphical user interface (GUI) you can use to perform administrative tasks for some Software AG products, including Adabas Directory Server, and Entire Net-Work. It runs in a standard Web browser.

Before you start using the Adabas Manager, you must set up an administrative user for the product. To do so, consult the *Using Adabas Manager* section of the *Adabas Manager* documentation, available on Empower.

# 7 Port Number Reference

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- Port Overview and General Assignments ..... 26

This chapter describes the ports that are needed by Adabas LUW and Entire Net-Work LUW products to perform its processing and how they can be assigned.

## Port Overview and General Assignments

The following table describes the ports that are needed by Entire Net-Work to perform its processing and any default ports assumed by Entire Net-Work. You should consider avoiding the use of these default port numbers for other applications.

Software AG Product Component	Ports Needed	Default Port Number
Adabas Manager Communicator	One port is needed.	4980
Adabas Directory Server	One port is needed for Entire Net-Work requests to the Directory Server	4952 (IANA port)  <b>Note:</b> If older versions of Entire Net-Work (older than 7.3) are in use, this port number may need to be changed to 12731.
Adabas Manager	One port is needed for Adabas Manager administration tasks	dynamically assigned
Entire Net-Work Kernel	A port is needed for Kernel access by clients	dynamically assigned
	A port is needed for Kernel access via connections (Entire Net-Work 7 or later)	dynamically assigned
	A port is needed for Kernel access via RDA connections (Entire Net-Work 2)	7869
	A port is needed for Adabas Manager administration of Kernels	dynamically assigned

Software AG has registered port number 4952 with the Internet Assigned Numbers Authority (IANA) for use by the Adabas Directory Server. For more information about Directory Server port number specifications, read *The Directory Server Port Number* in the *Software AG Directory Server Installation and Administration Guide*.

In general, there are no default port numbers assigned to Entire Net-Work Kernels or clients. These are dynamically assigned by Entire Net-Work when the Kernel or client is started, unless you specify a specific port or range of ports to use when you define the Kernel or client. If you set the port number to "0", the Entire Net-Work will dynamically assign a port.



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