



iSoft Peer-to-Peer Agent

Installation Guide

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About This Document

This document describes how to install the iSoft Peer-to-Peer Agent (P2P Agent) application. It is organized as follows:

- Chapter 1, “*Preparing to Install Peer-to-Peer Agent*”, describes the P2P Agent system prerequisites along with pre-installation considerations.
- Chapter 2, “*Installing Peer-to-Peer Agent*”, explains how to install the P2P Agent application.

Audience

This document is intended primarily for use by iSoft P2P Agent data administration personnel responsible for installation, configuration, maintenance, and use of the P2P Agent system.

This document has been written with the assumption that iSoft P2P Agent administrators and users have a general understanding of the following concepts and technologies:

- Your business application software and business practices
- Electronic Data Interchange over the Internet (EDI-INT)
- E-Commerce
- Uniform Code Council (UCC)
- Data types
- Transport protocols

-
- Security standards
 - The Internet
 - Windows operating systems
 - UNIX operating system

How to Print the Document

A PDF version of this document is available on the iSoft corporate Web site. You can open the PDF in Adobe Acrobat Reader and print the entire document (or a portion of it) in book format.

Adobe Acrobat Reader is available at no charge from the Adobe Web site at <http://www.adobe.com>.

Contacting iSoft

Refer to the following section for instructions on contacting various iSoft support departments.

For Customer Support

If you have any questions about this version of the iSoft P2P Agent software, or if you have any problems installing and running iSoft P2P Agent, contact iSoft Technical Support at **support@iSoft.com**.

When contacting Customer Support, be prepared to provide the following information:

- Your name, email address, phone number, and fax number.
- Your computer type, manufacturer, model, CPU, memory, disk space, and network environment.
- The name and version of the product you are using.
- A description of the problem and the content of any error messages.

If you are unable to resolve your problem, call us at 214-890-9988

For Sales Support

For Sales support, contact us at the following phone numbers and Email address:

- Phone: 214-890-9988
- Fax: 214-890-7686
- Email: **sales@iSoft.com**

For Documentation Support

Your feedback on the iSoft P2P Agent documentation is important to us. Send us email at **docsupport@isoft.com** if you have questions or comments. Your comments will be reviewed directly by iSoft professionals who create and update the iSoft P2P Agent documentation.

In your email message, please indicate that you are using the documentation for the iSoft P2P Agent.

Documentation Conventions

The following documentation conventions are used throughout this document.

Element	Meaning
bold	Names of fields, buttons, icons, and check boxes.
<i>Italics</i>	Words or phrases that you type. Options that you select.
{ }	Indicates a set of choices from which you must choose one.
<code>monospace text</code>	Code samples, commands and their options, directories, and file names and their extensions. Monospace text also indicates text that you enter from the keyboard.
<code><i>monospace italic text</i></code>	Variables in code Example: <code>String Customername;</code>
	Separates two mutually exclusive choices in a syntax line. Type one of the choices, not the symbol.
parameters	Specifies a variable name or other information you must provide.
[]	Indicates optional parameters. You typically type only the information within the brackets, not the brackets.
...	Indicates that a parameter can be repeated several times in a command line. You enter only the information, not the ellipsis (...).

1 Preparing to Install Peer-to-Peer Agent

The iSoft P2P Agent enables you to exchange data between companies and business partners over the Internet in a secure and reliable manner. The P2P Agent software extends traditional B2B technologies by providing a secure, scalable solution built on established industry standards (AS2/EDI-INT).

P2P Agent supports established security models, data types, and communication protocols, enabling you to quickly and easily connect to all your trading partners, large and small.

The following sections provide information that you need to know before installing iSoft P2P Agent.

About the iSoft P2P Agent Installation Program

The iSoft P2P Agent software is distributed via email from iSoft and is also available for download from the iSoft corporate web site. The P2P Agent application is distributed within a ZIP file, the contents of which are extracted and executed on your local system.

P2P Agent System Requirements

This topic lists the hardware and software requirements necessary to run the P2P Agent application:

- Software on Windows
- Software on Linux
- Software on UNIX
- Hardware on Windows
- Hardware on UNIX
- Database Support
- OS Patches

Software on Windows

A Windows computer must have the following software installed for the P2P Agent application to function properly:

- P2P Agent supports the following Windows operating systems:
 - Windows NT 4.0 Server, SP 6
 - Windows 2000
 - Windows XP Professional

Note: P2P Agent does not support Windows XP/Home.

Software on Linux

P2P Agent supports the following software on Linux:

- Suse 8.x
- Red Hat 7.3

Note: Both Linux platforms require the GLIBC_2.2. library revisions.

Software on UNIX

Your system requires any of the following UNIX operating systems:

- HP-UX 11.00, 11.11
- IBM AIX 4.3, 5.1
- SuSe 8.x
- Red Hat Linux 7.3
- Sun Solaris 8 SunOs 5.8

Hardware on Windows

A Windows computer must have the following minimum configuration.

- A Pentium-class processor running at 400 Mhz or faster
- Random Access Memory
 - 256MB recommended
 - 128MB minimum
- 15MB available hard drive space

Much of this drive space requirement is necessary for database executables, which can range from 10MB to 15MB.

1 *Preparing to Install Peer-to-Peer Agent*

- SVGA monitor
- CD-ROM drive (for installation)
- TCP/IP network interface
- Local area network (LAN) card and persistent Internet connection is required.

Hardware on UNIX

Your computer must have the following minimum configuration to successfully install P2P Agent on UNIX computers.

- Random Access memory (RAM)
 - 256MB recommended
 - 128MB minimum
- 2MB available hard drive space
- CD-ROM
- TCP/IP network interface
- A persistent Internet connection.

Database Support

P2P Agent is certified to work with the following Relational Database Management Systems:

- Microsoft SQL Server 2000 or 7.0
- Microsoft Database Engine (MSDE) or Access Database available in Windows operating system versions.
- Any ODBC 3.0-compliant servers
- Informix 9.2

- Oracle 8.0 or higher

OS Patches

Patches for some operating systems are required to support the technology that P2P Agent uses. For a list of recommended patches, see the *iSoft Peer-to-Peer Agent Release Notes* in your installation directory.

1 *Preparing to Install Peer-to-Peer Agent*

2 Installing Peer-to-Peer Agent

After you have reviewed the *Preparing to Install Peer-to-Peer Agent* section, you are ready to begin installing the iSoft P2P Agent. Instructions for installing P2P Agent are provided in the following sections:

- Before You Start
- Installing P2P Agent on Windows
- Understanding the P2P Agent Windows Directory Structure
- Installing P2P Agent on UNIX
- Running the iSoft Database Scripts for Oracle
- Uninstalling the Database
- Upgrading Your P2P Agent Software

Before You Start

Before you start the iSoft P2P Agent installation, make sure you are installing the product on a supported platform. A complete list of supported platforms is located in the *Preparing to Install Peer-to-Peer Agent* section of this document.

Installing P2P Agent on Windows

Perform the following steps to install P2P Agent:

1. Create an `iSoft` directory on your local system. Example: `c:\isoft`.
2. Locate the P2P Agent ZIP file you received from iSoft.

The P2P Agent ZIP file has the following naming convention:
`p2p3x_yyyymmddx.zip`. For example, `p2p30_20020520a.zip`.

3. Extract the ZIP file to the `iSoft` directory and check the *Use Folder Names* option, if using WinZip, to ensure the directory structure remains intact during the extraction.
4. Execute the `p2pagent.exe` executable file located in the `/iSoft/p2pagent/3.1` directory.

When the program initializes, a console window displays and the following title message displays.

```
iSoft (R) Peer-to-Peer Agent (TM)  
(C) Copyright 2001-2002 iSoft Corp.
```

When the program completes its initialization tasks, a blinking cursor appears two lines below the title message.

The program is now ready to accept commands from the console.

Understanding the P2P Agent Windows Directory Structure

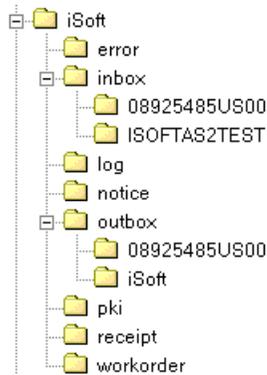
Prior to installation, you are asked to create an `iSoft` directory. The `iSoft` directory acts as a repository for files and folders used to interact with other trading partners defined in your P2P Agent configuration. For this reason, the `iSoft` directory can be considered a support directory for the `iSoft` products installed on your system.

The files in the `iSoft` directory are essential for ensuring the iSoft application operates correctly on your system. In addition to properly executing the application, The application files perform the following types of functions:

- Storage of EDI files
- Inbound/outbound document storage
- System activity logs
- Public key infrastructure certificate and private key storage
- Receipt storage
- Status or event files
- Work order files
- Failed transaction files

Files and Directories Installed

The following directory structure is created for you by the Buildcfg utility during P2P Agent configuration. This directory structure also provides an example of a typical structure you might create as a repository for files you use when exchanging EDI data with other trading partners.



2 Installing Peer-to-Peer Agent

The potential contents of each directory are described in the following table.

Table 2-1 Installation Directories

Directory	Contents
iSoft	iSoft Home directory.
error	Contains files that could not be sent or properly received.
inbox	Default inbound document storage location.
log	Contains daily log files of system activity.
notice	Contains status files indicating results of document transactions.
outbox	Contains outgoing EDI files.
pki	Certificate storage location.
receipt	Location of AS2 receipt documents.
workorder	Location of instruction (.wo) files providing parameters for sending files.

Installing P2P Agent on UNIX

Use this procedure as a starting point for installing Commerce Suite on the supported UNIX operating system.

The following steps are common to all UNIX operating systems. Once you perform them, you are directed to the procedures for your particular operating system to complete the installation.

Before you install Commerce Suite, read *Preparing to Install iSoft Commerce Suite* to ensure the hardware and software requirements have been met.

The iSoft Commerce Suite software is available for download from the iSoft Web site and is distributed within a ZIP, or compressed archive file, the contents of which are extracted and executed on your local system. Perform the following steps to install the P2PAGENT software:

Note: It is recommended that you exit all applications prior to installing the iSoft P2PAGENT application.

1. Create an iSoft directory on your local system. Example: `c:\isoft`.
2. Locate the P2PAGENT ZIP file you received from iSoft.

The P2PAGENT ZIP file has the following naming convention: `P2P3X_YYYYMMDDX.ZIP`. For example, `P2P30_20020520A.ZIP`, or `P2P30_20020520A.tar.Z`.

3. Extract the ZIP file to the iSoft directory and check the *Use Folder Names* option, if using WinZip, to ensure the directory structure remains intact during the extraction.
4. Execute the `P2PAGENT.EXE` executable file located in the `/isoft/p2pagent/3.0` directory.

When the program initializes, a console window displays and the following title message displays.

```
iSoft (R) Peer-to-Peer Agent (TM)  
(C) Copyright 2001-2002 iSoft Corp.
```

When the program completes its initialization tasks, a cursor appears two lines below the title message.

The program is now ready to accept commands from the command console.

Installing on IBM AIX

Use this procedure to install the application on your IBM AIX server.

1. Log in as `root`.
2. Create the following directory on each client machine:

```
isoft
```

3. Make the `isoft` directory the current directory.
4. Copy the `iSoft.tar.z` file to the `iSoft` directory you created.
5. Uncompress the `tar.z` file.
6. Extract the `tar.z` file to the `iSoft` directory.
7. Execute the `P2PAGENT.EXE` executable file located in the `/iSoft/p2pagent/3.0` directory.

When the program initializes, a console window displays and the following title message displays.

```
iSoft (R) Peer-to-Peer Agent (TM)
(C) Copyright 2001-2002 iSoft Corp.
```

When the program completes its initialization tasks, a cursor appears two lines below the title message.

The program is now ready to accept commands from the command console.

Installing on Red Hat Linux

Note: Red Hat Linux version 8.0 is not supported at this time.

Use this procedure to install the application on your Red Hat Linux server.

1. Log in as `root`.
2. Create the following directory on each client machine:
`/opt/p2pagent`
3. Create the following group on each client machine:
`p2pagent`
4. Create the following user on each client machine:
`p2pagent`
5. Create the following subdirectories in the `/opt/p2pagent` directory:
`notice`
`receipt`

```
workorder
error
log
inbox
pki
```

6. Set the permissions for the p2pagent user and group you created in steps 3 and 4 so that they have access to these subdirectories.
7. Extract the ZIP file to the `opt/p2pagent` directory.
8. Execute the `P2PAGENT.EXE` executable file located in the `/iSoft/p2pagent/3.0` directory.

When the program initializes, a console window displays and the following title message displays.

```
iSoft (R) Peer-to-Peer Agent (TM)
(C) Copyright 2001-2002 iSoft Corp.
```

When the program completes its initialization tasks, a cursor appears two lines below the title message.

The program is now ready to accept commands from the command console.

Installing on Hewlett-Packard HP-UX

Use this procedure to install the application on your Hewlett-Packard HP-UX server.

1. Log in as `root`.
2. Create the following directory on each client machine:
`/opt/p2pagent`
3. Create the following group on each client machine:
`p2pagent`
4. Create the following user on each client machine:
`p2pagent`
5. Create the following subdirectories in the `/opt/p2pagent` directory:

2 Installing Peer-to-Peer Agent

```
notice
receipt
workorder
error
log
inbox
pki
```

6. Set the permissions for the p2pagent user and group you created in steps 3 and 4 so that they have access to these subdirectories.
7. Extract the ZIP file to the `opt/p2pagent` directory.
8. Execute the `P2PAGENT.EXE` executable file located in the `/iSoft/p2pagent/3.0` directory.

When the program initializes, a console window displays and the following title message displays.

```
iSoft (R) Peer-to-Peer Agent (TM)
(C) Copyright 2001-2002 iSoft Corp.
```

When the program completes its initialization tasks, a cursor appears two lines below the title message.

The program is now ready to accept commands from the command console.

Installing on Sun Solaris

Note: Sun Solaris version 9.0 is not supported at this time.

Use this procedure to install the application on your Sun Solaris server.

1. Log in as `root`.
2. Create the following directory on each client machine:
`/opt/p2pagent`
3. Create the following group on each client machine:
`p2pagent`
4. Create the following user on each client machine:

p2pagent

5. Create the following subdirectories in the `/opt/p2pagent` directory:

```
notice
receipt
workorder
error
log
inbox
pki
```

6. Set the permissions for the p2pagent user and group you created in steps 3 and 4 so that they have access to these subdirectories.
7. Extract the ZIP file to the `opt/p2pagent` directory.
8. Execute the `P2PAGENT.EXE` executable file located in the `/iSoft/p2pagent/3.0` directory.

When the program initializes, a console window displays and the following title message displays.

```
iSoft (R) Peer-to-Peer Agent (TM)
(C) Copyright 2001-2002 iSoft Corp.
```

When the program completes its initialization tasks, a cursor appears two lines below the title message.

The program is now ready to accept commands from the command console.

Uninstalling on UNIX

Use this procedure for uninstalling Commerce Suite from your UNIX computer:

1. Log into the account you created.
2. Shut down all Commerce Suite applications.
3. Run the following command:

```
-rm -rf installation_directory
```

Running the iSoft Database Scripts for Oracle

The following steps are typically performed by your system database administrator.

Perform the following steps to run the iSoft Oracle database scripts to enable iSoft P2PAGENT and Oracle database connectivity:

1. Log on to the system.
2. Create a directory work space with a name that is suitable to the task.
Note: Ensure you have 20MB of allocated disk space.
3. Run the `CRTABLES.SQL` script in a ISQL interface.
4. A `CRTABLES.LST` file is created providing a log of the executed script. All log files are generated and dropped in your working directory. Every log file name has a `.LST` extension.
5. Create an iSoft user with the following three privileges:
 - Create session
 - Resource
 - Insert, update, and delete on tables.
6. Your iSoft database tables are now created and P2P Agent can be run.

Uninstalling the Database

Perform the following steps to uninstall the database:

1. Login to the database as the database administrator.

2. Execute the `droptablespace.sql` script.

Upgrading Your P2P Agent Software

As P2P Agent upgrades become available, they may be downloaded from the iSoft Technical Support Web site. Please contact your iSoft sales representative for information regarding P2P Agent upgrades and availability.

Upgrades for the iSoft P2P Agent software are available as complete replacement modules within a ZIP or compressed archive file. As the upgrade occurs, existing directory structures remain intact and system settings are unaffected. To ensure your replacement module is applied, start P2P Agent and issue a `status` command to verify that you have properly upgraded your P2P Agent application.

2 *Installing Peer-to-Peer Agent*

3 Licensing iSoft Commerce Suite

The iSoft P2PAGENT application, as shipped, starts and operates in *Demonstration* mode. When the product is purchased, you are supplied with license key material that enables you to convert the product to operate in *Authorized Installation* mode.

How License Keys are Generated

Your iSoft sales representative obtains the configuration information for each machine on which you will run P2PAGENT. This information is given to iSoft Technical Support.

iSoft Technical Support creates an `.aut` file based on your configuration information, which contains an authentication number unique to each machine. This authentication number, combined with a serial number in the `p2pagent.ini` file, are used to generate an authentication code that converts your copy of the software into *Authorized Installation* mode. The first time you run the application after installation, you are prompted to enter this authentication code.

Note: The authentication code is limited to 30 days of use once it has been generated. This means that you must install the application within 30 days of purchase. Otherwise, your authentication code will expire, and you will need to obtain a new one from iSoft Technical Support.

Licensing Requirements

If you are configuring the product for Authorized Installation mode, you must have completed the following before licensing:

- TCP/IP configuration must be complete.
- You must have obtained a valid `p2pagent.ini` file from iSoft Technical Support.
- You must have obtained a valid `p2pagent.aut` file from iSoft Technical Support.
- You must have successfully installed the software.
- The `p2pagent.aut` file and the `p2pagent.ini` file must reside in the same directory as the `p2pagent.exe` file.

If TCP/IP configuration is not complete or is changed after installation, you must contact iSoft Technical Support to obtain new licensing information.

Licensing the P2PAGENT Application

To license your copy of P2PAGENT, perform the following steps:

1. Install the P2PAGENT application, following the instructions in this book.
2. Verify that the `p2pagent.ini` file and the `p2pagent.aut` file reside in the same directory as the `p2pagent.exe` file.
3. Using a text editor, open the `p2pagent.aut` file.
4. Start the P2PAGENT application. You are prompted to enter your authorization code.

5. Highlight the entire contents of the `p2pagent.aut` file, and select Edit-->Copy.
6. Place your cursor at the Enter Authorization Code prompt and select Edit-->Paste. This pastes the authorization code from the `p2pagent.aut` file into the P2PAGENT prompt.
7. Press Enter. A `.lic` file containing your licensing information is created. As long as this file resides in the same directory as the `p2pagent.exe` file, you do not need to enter the authorization code again to start the application.

3 *Licensing iSoft Commerce Suite*
