

Retek[®] Predictive Application Server 11.0



Installation Guide



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- Detailed step by step instructions to recreate.
- Exact error message received.
- Screen shots of each step you take.

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Chapter 1 – Introduction

Welcome to the Retek Predictive Application Server (RPAS) Installation Guide. This chapter outlines the contents of this guide, discusses the updated components with respect to the previous version, and defines commonly used notations and terms.

How to use this guide

This guide describes the installation procedure for the Retek Predictive Application Server software.

RPAS is available at the Retek Fulfillment Download Center at <http://fulfillment.retek.com>. A user name and password are required to access the site. This guide accompanies the software and provides step-by-step procedures to complete the installation of the client, server, and any other utility or software needed.

This installation guide is organized as follows:

- Chapter 1: Using this guide and terminology.
- Chapter 2: An overview of the installation process and the contents of the installation package.
- Chapter 3: Discusses Acumate and RPAS server installation on Windows NT and various UNIX platforms.
- Chapter 4: Outlines the setup and upgrading of a RPAS domain.
- Chapter 5: Discusses the RPAS client installation on Windows platforms.
- Chapter 6: Explains how to configure RPAS client/server connectivity. Describes the configure utility and the foundation.ini file.

Notations and terms

The following notations and terms are used throughout this document to make it easier to read and understand.

Notations

These are the special notations used in this guide:

- **Note:** Indicates a note with additional information to clarify text.
- **NT:** Indicates that the following text is relevant only if the application is installed on a machine running Windows NT.
- **UNIX:** Indicates that the following text is relevant only if the server software is installed on a machine running UNIX.
- **HPUX:** Indicates that the following text is relevant only if the server software is installed on a machine running HPUX.
- **AIX:** Indicates that the following text is relevant only if the server software is installed on a machine running AIX.
- **Solaris:** Indicates that the following text is only relevant if the server software is installed on a machine running Solaris.
- **Courier New font:** Indicates a directory, user input, or command that you type in the command line.

Terms

The following terms are used in this guide:

- **RPAS:** Retek Predictive Application Server provides the foundation for Retek applications such as Retek Demand Forecasting (RDF) or Assortment and Space Optimization (ASO). RPAS does not include any business logic, but it enables the applications to store, manipulate and retrieve data. It provides the applications a standard interface based on wizards, templates, workbooks and batch processes.
- **RPAS Application:** The software that uses RPAS. RPAS applications are added on to RPAS domains as separate modules. All the business logic is encapsulated in the application. An RPAS domain can support applications. Examples of RPAS applications are RDF and ASO.
- **RPAS Domain:** The collection of server side directories and files containing data and procedures that comprise the RPAS.
- **RPAS Client:** The Windows client interface used by users of a RPAS domain. A system administrator may perform work in a domain using the RPAS Client or using Acumate commands to directly manipulate the domain.

Chapter 2 – Installation overview

Installation of RPAS consists of the following steps, which are covered in detail in the subsequent chapters:

- Installing the server side components.
- Installing the client side components.
- Configuring the client/server connections.

This chapter provides:

- A list of the system requirements
- An overview of the installation Tape or CD contents

System requirements

The basic client and server components are required for RPAS 11.0.

Client

- Microsoft Windows 98, 2000, or XP
- Microsoft Windows NT 3.51 or higher

Minimum practical desktop configurations for either platform is:

- CPU: Pentium 233 or better
- Memory: 64MB RAM
- Disk: 15 MB for install, no additional data saved on client.
- Monitor / Video Card: Minimum resolution of 800x600 (strongly suggest higher resolution)

Server

Supported Platform	Versions Supported
Solaris (SPARC)	8
HPUX	11.x
AIX	5.x
Windows NT	4.0, Service Pack 3+

CD contents

The client and server software components are provided on a single CD-ROM.

```
AIX: tar -xvf /dev/rmt0
```

```
HPUX: tar -xvf /dev/rmt/0m
```

```
Solaris: tar xvf /dev/rmt/0
```

The RPAS Installation directory for each combination of Product (e.g. RDF_10.0) and Operating System (e.g. AIX or SunOS) consists of Domain, Acumate, RpasServer, and Client directories.

Domain directory

The domain directory contains the RPAS domains. The domain is stored as a compressed tar file (.tar.Z extension).

Acumate directory

The Acumate directory contains the Acumate installation files.

Note: You should only install from this directory if you have not installed Acumate on your server before. There is no Acumate upgrade required for RPAS 11.0. Any version of Acumate installed with RPAS 9.3 or 9.4 is compatible.

RpasServer directory

The RpasServer directory contains the installation files for the RPAS server.

Client directory

The client directory includes Windows setup files. The client setup files can be copied on to either floppies or CDs and launched locally, or they can be launched from a network location.

Chapter 3 – Acumate and RPAS server installation

This chapter describes the step-by-step installation procedure for Acumate and RPAS servers for all platforms. For AIX, HP-UX or Solaris servers, refer to UNIX Server Setup. Refer to Windows NT Server Setup for Windows NT servers.

Note: During the installation of Acumate, you will need to enter a license number for your server installation. Retek Customer Support can provide this license number once you are given the Acumate serial *during the installation process*. Follow the steps below for your server type and call Retek Customer Support during normal operating hours.

UNIX server setup

The following series of steps installs Acumate onto a UNIX platform.

Create the user account

- Create the Unix user `acusys`. It can be assigned to any Unix group.

Configure the `acusys` user

Note: Any version of Acumate installed with RPAS 9.3 or 9.4 is compatible with RPAS 11.0. If you have already installed Acumate, you can skip this section and go to Install the RPAS Server Software.

- 1 Log on to the UNIX system using the `acusys` user name.
- 2 Create the directory to copy the Acumate files into. The location and the name of the directory are up to the system administrator's preferences. This directory is henceforth referred to as the `[ACUDIR]` directory.
- 3 Restore the files from the following directory from the installation tape or CD into the `[ACUDIR]` directory:

```
[RPAS Installation]\server\acumate\[platform]
```

Note: Choose the appropriate platform based on your operating system.

- 4 Confirm that the following files have been restored to the `[ACUDIR]` directory:
 - `acumate.tar.Z`
 - `install_acumate.ksh`

- 5 Go into the [ACUDIR] directory and run the command:

```
./install_acumate.ksh
```

The warning messages that appear are NORMAL. These messages indicate older terminals that are no longer supported.

- 6 When prompted to enter license information, select `Y`. Enter the license code provided by Retek.
- 7 Type `exit` at the ACUMATE COMMAND prompt.
- 8 When prompted for verification, enter `Y`. The [ACUDIR]/bin directory should now contain updated `aculogin.sh` and `aculogin.csh` files.
- 9 Go into the [ACUDIR]/bin directory and source the shell file `aculogin.sh` by entering the command:

```
. ./aculogin.sh.
```

- 10 Exit the session.

Install the RPAS Server Software

- 1 Log on to the UNIX system using the `acusys` user name.
- 2 Create the directory to copy the RPAS server files into. The location and the name of the directory are up to the system administrator's preferences. This directory is henceforth referred to as the [RPASDIR] directory.
- 3 Restore the files from the following directory from the installation tape or CD into the [RPASDIR] directory:

```
[RPAS Installation]\server\RpasServer\[platform]
```

Note: Choose the appropriate platform based on your operating system.

- 4 Confirm that the following files have been restored to the [RPASDIR] directory:
 - `rpas.tar.Z`
 - `install_rpas.ksh`
- 5 Go into the [RPASDIR] directory and run the command:

```
./install_rpas.ksh
```
- 6 Exit the session.

Change the acusys .profile

- 1 Log on using the acusys user name.
- 2 Change the .profile file of user acusys to contain the file aculogin.sh.
- 3 Enter these two command lines in .profile, replacing [ACUDIR] and [RPASDIR] with the installation directories from above:

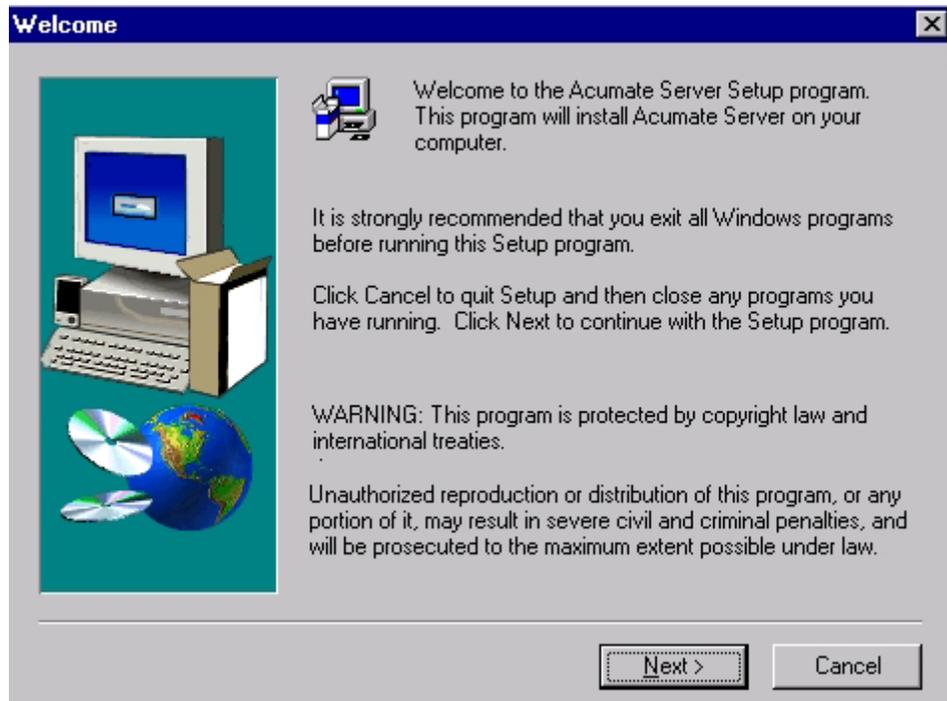
```
. / [ACUDIR] /bin/aculogin.sh.  
. [RPASDIR] /rpalogin.ksh
```

- 4 Exit the session.

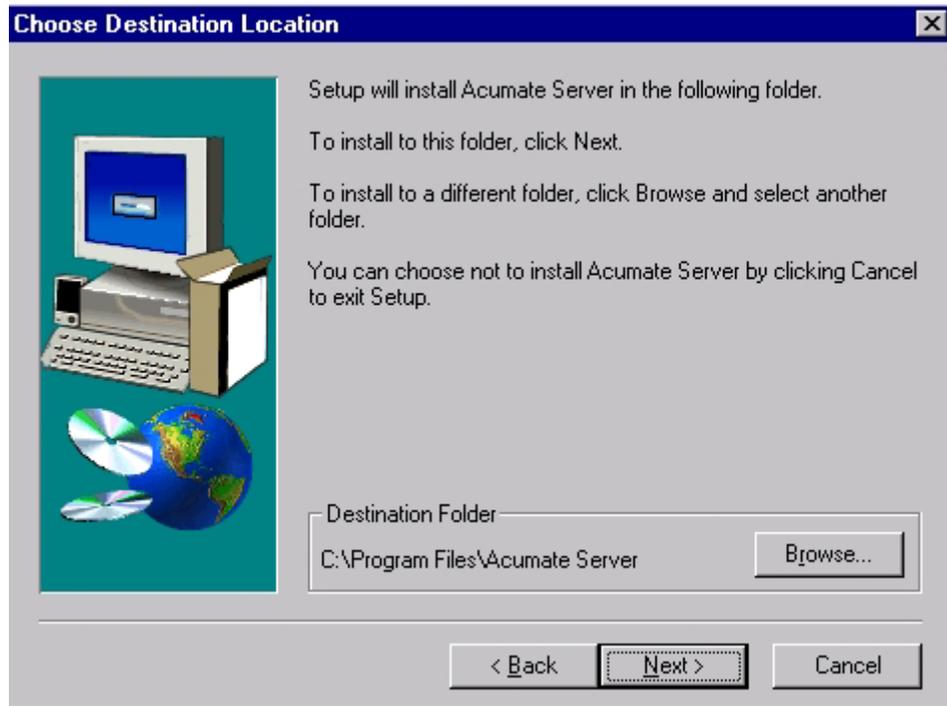
Windows NT server setup

This is a step-by-step procedure. The Acumate and RPAS servers can be installed from CD, Tape, or Disk.

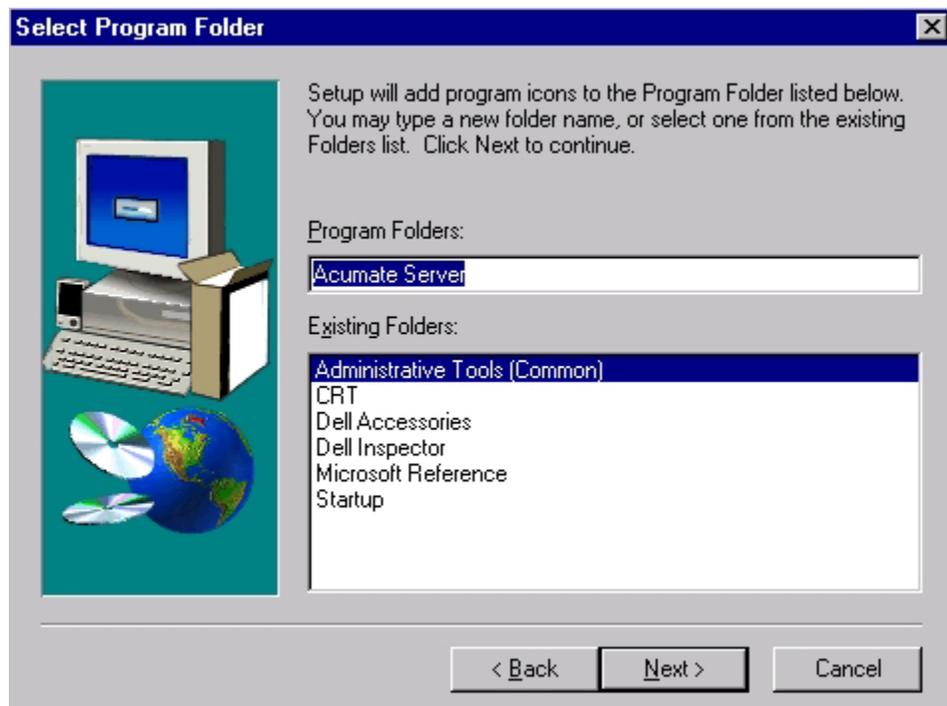
- 1 Run Setup.exe located in the [RPAS Installation]/server/nt_dynix/acumate/nt/acumate25 directory. The program initializes the setup routines.
- 2 The welcome page is displayed. Click **Next**.



- 3 Confirm or change the destination folder for Acumate Server client programs. Click **Next**.



- 4 Confirm or change the Program Folder in which to add the program icon. The default value is Acumate Server. Click **Next**.



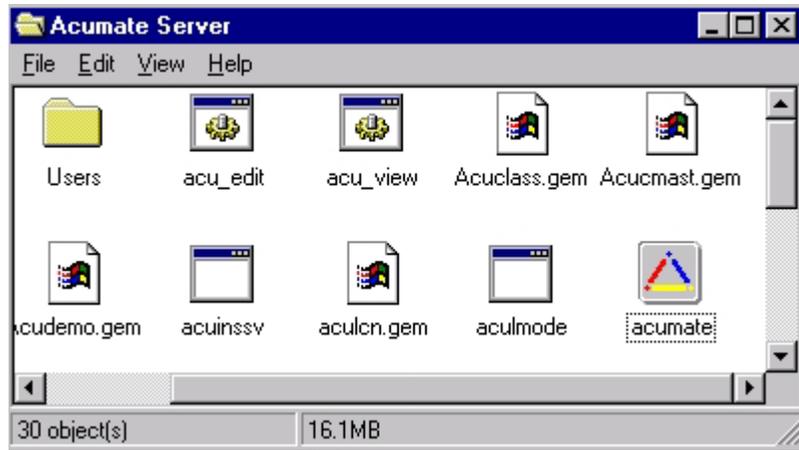
- 5 You are asked whether you intend to install Acumate Server as an NT service. Click **No**.



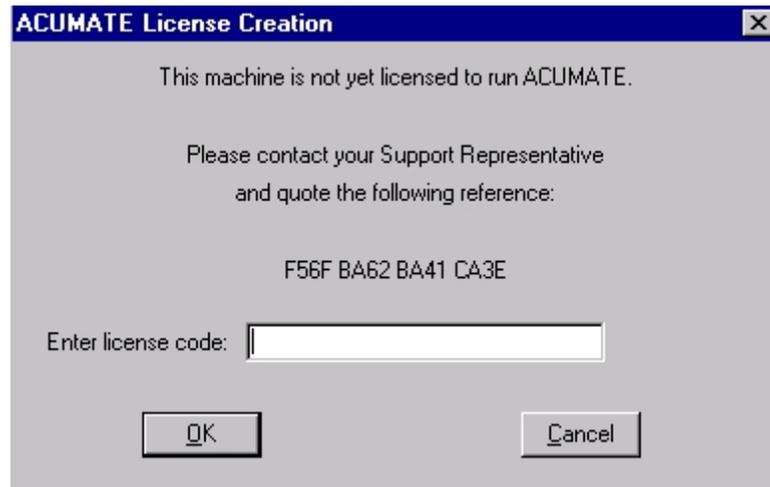
- 6 You are informed that the Acumate Server installation is complete. Click **Finish**.



- 7 Once the Acumate Server installation has completed, double-click on the Acumate icon located in the Acumate Server program folder (which has been created by the installation process). This allows you to license the Acumate database.

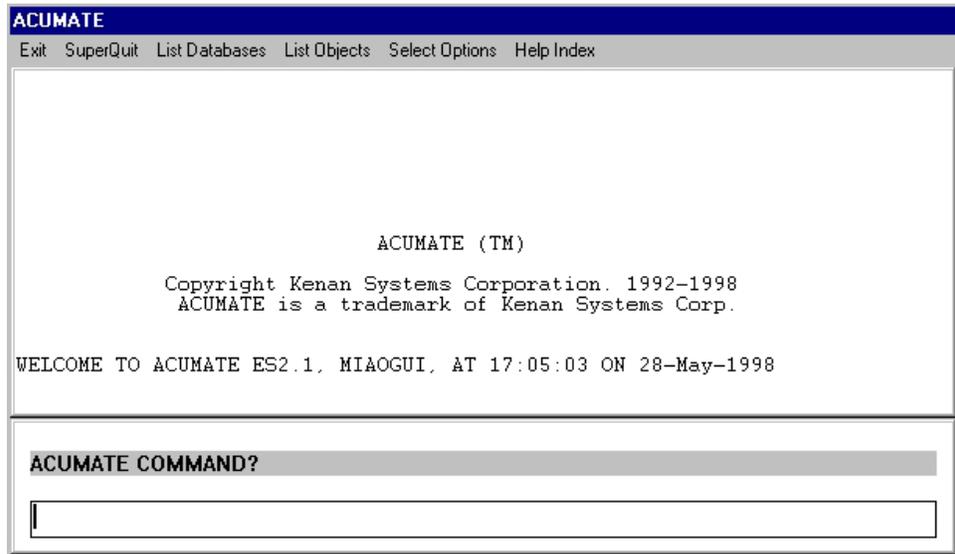


- 8 Acumate prompts you for a license code that corresponds to the code: “xxxx xxxx xxxx xxxx” (upper- and lower-case sensitive). Enter the code and click **OK**.



Note: To get a license code, you need to call Retek Customer Support at +1-800-61-RETEK. Tell the Customer Support Consultant that you need to obtain an Acumate license from Kenan Technology. You will need to provide the Acumate serial number that is provided. An appropriate license code: “xxxx xxxx xxxx xxxx” will be provided (upper- and lower-case sensitive). Enter the license code and click **OK**.

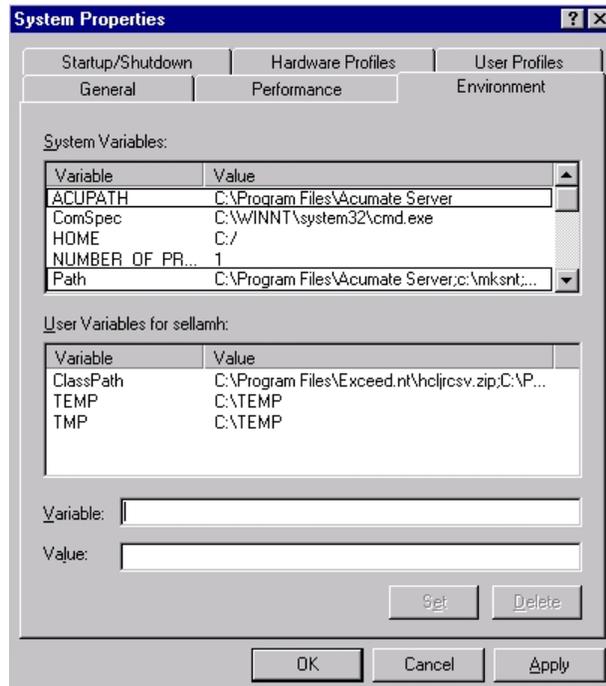
9 After you enter the license code, the following window is displayed:



10 At the command prompt, enter the command: `Exit`.

11 Verify that `PATH` and `ACUPATH` are set correctly:

- a Go to Start > Settings > Control Panel.
- b Double-click on the System icon.
- c Click on the Environment tab.



- d Scroll down the System Variables and verify that ACUPATH is set to C:\Acumate Server and PATH includes C:\Acumate Server.
- e Create/update these variables if they are not set correctly.

The Acumate database is now configured and installed.

- 12 Create the directory to copy the RPAS server files into. The location and the name of the directory are up to the system administrator's preferences. This directory is henceforth referred to as the [RPASDIR] directory.
- 13 Restore the files from the following directory from the installation tape or CD:

```
[RPAS Installation]\server\RpasServer\[platform]
```

into the [RPASDIR] directory.

Note: Choose the appropriate platform based on your operating system.

- 14 Confirm that the following files have been restored to the [RPASDIR] directory:

- rpas.tar.Z
- install_rpas.ksh

- 15 Go into the [RPASDIR] directory and run the command:

```
./install_rpas.ksh
```

- 16 Using the Control Panel, set the RPAS_HOME environment variable to point to the [RPASDIR] directory. Also edit the PATH variable to include [RPASDIR}/bin.

Chapter 4 – Domain setup

This chapter outlines the procedures for setting the domain.

NT: Additional software for Windows NT servers

Windows NT servers require the installation of the MKS toolset. The MKS Toolset program is used to emulate a UNIX environment to allow the same shell scripts to be used on either NT or UNIX platforms.

The MKS program can be installed directly from the hard drive or installation CD as follows:

- 1 Run install.bat from the [RPASInstallation]/server/nt_dynix/mks directory.
- 2 Immediately, you will be asked to enter a serial number. A temporary serial number is provided for initial installation. This initial installation of MKS should be replaced with a newly acquired copy of the program. The temporary serial number is: 4411338606.
- 3 When prompted, enter the desired location to install.
- 4 When prompted, select install “Toolkit” only from the drop-down list of four options.
- 5 When prompted to select a compiler type, select OK for the suggested compiler.
- 6 Follow the setup prompts accepting the default settings. The setup program will initiate the correct environment settings.
- 7 Create an empty c:\Dev folder if one does not already exist.

Set up an RPAS domain

The base RPAS domain is a shell from which actual data-holding domains are built. During this setup process, interface directories will be made for passing text files between RMS and RPAS.

To set up the base domain:

- 1 Create a directory on the server called: /domains. This directory should reside off the root directory of the server.
- 2 Look for a subdirectory: /domains on your installation tape or CD. This directory contains the subdirectory /rel110. Copy this subdirectory and their contents to the /domains directory created in previous step.
- 3 Confirm that the following directories have been restored below the /domains/rel110 directory (other directories may also exist): /data, /input, /output, /scripts, /setup, /src, /users

Note: Initially, some of these subdirectories will be empty.

This completes the setup of the base domain on the server. This base domain contains the elements (source code) needed to build the initial live (data-holding) domain. Creating new domains can be done at any time.

Chapter 5 – RPAS client installation

This chapter describes the installation of the RPAS client on Windows machines. It includes information on making install disks and outlines the installation procedure.

Make installation disks

To create an installation floppy disk

Copy the desired setup medium from the floppy subdirectory onto separate disks.

To create an installation CD

Copy the desired setup medium from the CD subdirectory onto a CD.

To create an installation location on a network drive

Copy the desired setup medium onto a network and allow each client machine to access them from a network.

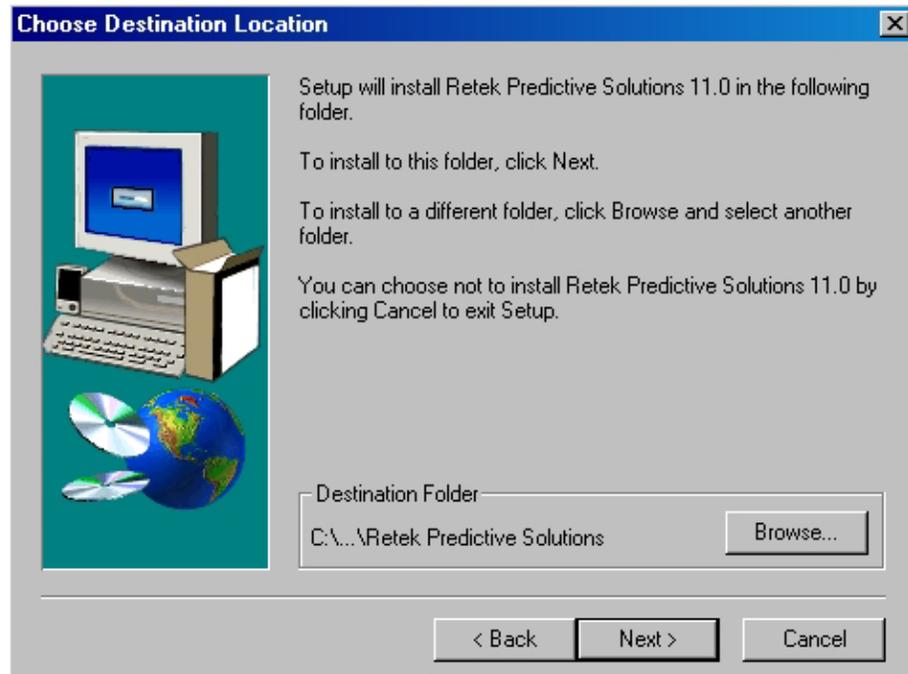
RPAS client installation procedure

The RPAS client installation procedure is the same for all of the RPAS applications. Below are the step-by-step instructions for installing the application onto a PC.

- 1 Identify the type of medium that will be used to install the application on the PC (for example: floppy disks, CD, or a network location).
 - If installing from floppy disks, run `setup.exe` on the Client Installation Disk 1.
 - If installing from CD or a network location, run the `setup.exe` program found in the following directory:
`[RPAS Installation]\client\CD\Disk1`
- 2 The welcome page is displayed. Click **Next**.



- 3 Confirm or change the destination folder for the RPAS Client. The default value is c:\Program Files\Retek Inc\Retek Predictive Solutions. Click **Next**.



- 4 Confirm or change the Program Folder in which to add the program icon. The default value is Retek Predictive Solutions. Click **Next**.



The setup program exits after the installation is performed.

Chapter 6 – Configure the RPAS client

Introduction

The configuration of the RPAS client has two components:

- Configure utility
- Foundation.ini File

The Configure utility is used to setup the client/server communication between the RPAS client and the RPAS domains, where as the foundation.ini file is used to configure other application parameters.

The Configure utility

This section explains the purpose and functionality of Configure[®]. Configure is a Windows[®] application that configures the client/server communication for Retek Predictive Application Server 9.4.1 and higher. Configure lets users specify communication parameters and produces files that are used as input to the client. These files must be in FCF (Foundation Configuration File) format. The files contain the necessary information for the client to start up the communication with the server. These files can be stored on the client machine or on the network. When the client is executed, a file named Foundation.FCF is expected in the same directory. If the file has a different name or if it is stored somewhere in the network, then the path to this file must be passed in as an argument to the client.

Configure consists of a menu bar, a main view and the advanced settings dialog box.

The Menu bar

The files produced by Configure may contain multiple connections. Each connection will be specific for a server with certain communication settings. Connections need to have unique descriptions, and they can be added and deleted using the menu bar.



Configure menu bar

The Main view

The main view has the basic connection parameters. On this view, three groups of controls are available:

- The connection group
- The domains group
- The Advanced Settings dialog

The connection group

Daemon port

The port number on which the domain daemon is listening. Must be an integer between 2048 and 65535.

Example: 55278

Database server

The hostname or the IP address of the server.

Example: atldev03 or 10.2.1.23

The domain group

Domain path

Domain path is the directory that the connection will be accessing.

Example: /acufs001/atltest/topplan

User

The database user that is specified for the domain.

Example: adm

Password

The database password that is specified for the domain.

Example: adm

The Advanced Settings dialog

Default database login

Default database user

The database (Acumate) user that will be used by the client if a domain specific user has not been entered.

Example: adm

Default database password

Like the default database user, default database password will be used if a domain specific password has not been entered.

Example: adm

Database port range

Port range is used to specify the range of ports on which the Acumate processes will be started by the DomainDaemon. The port start and port end fields are the lower and upper limits of this range respectively. These fields must be integers between 2048 and 65535.

Example:

port start: 40000

port end: 45000

Compression threshold

The number of bytes above which client and server will be using compression. Only advanced users should be manipulating this number.

Web tunnelling

Web tunneling is not currently supported in RPAS 11.0.

Proxy settings

Proxy settings are not currently supported in RPAS 11.0.

Foundation.ini file

The foundation.ini file records user preference information for the RPAS Client.

The user preference information is automatically added, changed, or deleted by the client application whenever you open, log onto, and close Retek Demand Forecasting. This information pertains to the state of the user interface when the application was last closed (window size, position, and related information).

Locating the foundation.ini file

The foundation.ini file resides in the Microsoft Windows directory of each personal computer running the RPAS client. The RPAS client software must be successfully installed before this file can be opened and modified.

For WinNT operating systems, the foundation.ini file will be found in the c:\winnt directory or wherever the NT operating system has been installed (for example, c:\windows or c:\winnt40). To verify this location, use the File/Search command of Windows NT Explorer.

For Windows 98, 2000, or XP operating systems, the foundation.ini file will be found in the c:\windows directory or wherever the Windows operating system has been installed (for example, c:\win98 or c:\windows98). To verify this location, use the File/Search command of the Windows Explorer.

For any operating system, only one foundation.ini file should be found on each PC. If more than one copy is found, delete (or rename) all the extra copies and reinstall the RPAS client. Multiple copies of the foundation.ini file can result from upgrades of the operating system or from multiple installations of the RPAS client.

Example of a foundation.ini file

Below is an example of a foundation.ini file. Your configuration settings will be different and your foundation.ini file may have more or fewer user preference information saved to the file.

Note: The foundation.ini file has section headings similar to those in the Window 3.x win.ini file.

```
[LogOn]
Domain=Frcst_Standard
DontDisplay=0

[Options]
InfoLabel=Measure
MeasureLabel=Measure
RPC_Abort=0
FSShowAll=0
FSShowDims=1
FSCollapsed=
FOFirstColumn=Name
FOCollapsed=Ow Ac Us Te
FOShowAll=0
FOShowDims=1
FDCollapsed= Ow Ac
FDFirstColumn=Type
FDShowDims=1
FSFirstColumn=Name
```