

RedNMX

Installation

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Introduction

This manual describes how to install the RedNmx System on a work station. It assumes the server is already set up. Throughout this manual, you will see the word Server. Substitute your actual server name for the word server. For example:

If the server is the E:\ then

\\SERVER\REDNMX\ would be E:\REDNMX\

If the server is \\FIRESERVER\ then

\\SERVER\REDNMX\ would be \\FIRESERVER\REDNMX\

Hardware Settings

The monitors settings must be set to 1024 x 768 or greater. This is mandatory.

Quick Reference: Standard Work Station Installation

The following assumptions are made:

- While sitting at the work station, you have read only access to the \\Server\RedNmx\Update and \\Server\RedNmx\Install directories.
- You are able to create a directory called C:\REDNMX with full privileges. This is required to run the install and program.
- If GIS Mapping included with your system, you are able to create a directory called C:\REDNMXMAP with full privileges. This is required to run the install and program.
- You have administrator rights to the c: drive to install applications, .dlls, etc in the C:\WINDOWS directories. This is only needed for the installation procedure. It is not needed to run the program.

Follow these steps to setup a work station. Please remember to substitute your server name for Server

1. Execute the following

\\Server\RedNMX\Install\InstallRedNMX.Exe

file. Follow all of the prompts.

2. If using a MySql database driver, execute the

\\Server\RedNMX\Install\InstallMySQL.Msi

file. Follow all of the prompts. SQL Server does not require this step.

3. Copy the

\\Server\RedNMX\Update\RedNMX.Lnk

shortcut file to C:\Documents and Settings\All Users\Desktop.

If you have a Training database copy

\\Server\RedNMX\Update\RedNMXTraining.Lnk

shortcut file to your desktop.

4. If you have GIS Mapping, copy the entire contents of the
 \\Server\RedNMXMap*.*
 to
 C:\REDNMXMAP*.*

Please note there will be sub directories in the \REDNMXMAP directory. They include the \ICON directory, and your associated map files.

5. Rename the short cut to RedNMX System or whatever you deem necessary to point the user in the right direction.
6. Click on the short cut. The program will prompt you to download an update. Click Yes. Verify that the program operates properly.

RedNMX Directory Structure and Files: Work Station

The following files exist in the C:\RedNmx directory.

File Name	Description	Additional comments
RedNMX.Exe	Main executable file.	This is the main executable file that executes the RedNmx system. This file is automatically updated.
American.Adm	Spelling dictionary	This file contains the spelling dictionary for the English language. This file will automatically download from the server to each client.

If you are using GIS Mapping, the following directories exist in the C:\RedNmxMap directory.

Directory Name	Description	Additional comments
<Your Map Directory>	This directory holds all of the ESRI shape files.	New ESRI map files should be placed on the server, then this directory should be updated from the server.
Icon	This directory holds icons.	N/A

RedNMX Directory Structure and Files: Server

This section describes the directory structure for the RedNMX System. The primary directory is RedNmx. This is found on the server drive. The following are example primary directories

- \\SERVER\REDNMX
- X:\FIRE\REDNMX
- \\SERVER\X\REDNMX
- \\192.168.1.55\REDNMX
- \\192.168.1.55\APPS\REDNMX

For the purposes of the next several sections, it is assumed that the server is call \\Server and the RedNmx directory is \\Server\Rednmx. The following directories are found within the RedNMX directory.

Directory or file	Description	Additional comments
Update	The update directory holds all of the primary files.	
Files found in the \\<Server Name>\RedNMX\Update directory		
RedNMX.Exe	Main executable file.	This is the main executable file that executes the RedNmx system. It should not be deleted.
RedAlertProgramLauncher.Exe	Program launcher file	This program manages the self deploying update system.
RedNMX.Lnk	RedNMX Short Cut	This file is used to start the RedNMX System. This is the file to copy to the work station desktop. This file can also be renamed on the desktop.
Update.Lnk	Update Short Cut	This file is used to update the RedNMX System.
RedNMXTraining.Lnk	RedNMX Training Short Cut.	This is the shortcut for the Training System. It will copy the training rednmx.exe file to your local RedNMXTraining.exe.
American.Adm	Spelling dictionary	This file contains the spelling dictionary for the English language.

Install	The install directory holds all of the files that are needed to install a new work station.	This directory should be accessible to the work station, although not required.
Files found in the \\<Server Name>\RedNMX\Install directory		
InstallRedNmx.Exe	General Install file	Execute this file to setup the work station. Required for all work stations.
InstallMap.Exe	General mapping install file.	Execute this file to install the mapping system. Required for all work stations. This file will no longer be needed with the new release of Tatuk.
InstallMySQL.Msi	MySql installation file	This file is executed only if you are using the MySQL Database.

Tools	The Tools directory contains a special file used by Alpine tech personnel.	Do not touch anything in this directory.
Files found in the \\<Server Name>\Tools directory		
SimpleView.Exe		Execute this file to install the mapping system. Required for all work stations. This file will no longer be needed with the new release of Tatuk.

Files and directories found in the \\<Server Name>\RedNMXMap		
<Your Mapping Directory>	ESRI Shape files.	Place all ESRI shape files in this directory. Download shape files to work stations after every shape file update.
Icon	Icon files.	Not Applicable.

All work stations should have read only access to the \\Server\RedNmx\Update and \\Server\RedNmx\Install directories.

RedAlert Program Launcher

The Redalert Program Launcher is used to launch applications. It also works as a self deploying updater. The following shortcut is the standard method for launching the RedNmx System:

```
\\Server\RedNmx\Update\RedAlertProgramLauncher.exe  
\\Server\RedNmx\Update\RedNmx.Exe  
C:\RedNmx\RedNmx.Exe  
Server:RedNmx <Database Type>
```

Where <Database> type is SQLSERVER, MYSQL or ORACLE.

This shortcut is stored in the \\Server\RedNmx\Update directory.

The Server is the name of the server that holds the data and/or the RedNMX directory. This short cut does the following:

1. Compares the \\Server\RedNmx\Update\RedNmx.exe file to the C:\RedNmx\RedNmx.Exe file. If date is different, the server version is downloaded. If the c:\rednmX directory or the c:\rednmX\rednmX.exe file does not exist, the program creates the directory and copies the file.
2. Launches the RedNmx.exe executable using the RedNmx database on the Server.

RedNMX Icon

Follow these steps to change the Icon associated with the short cut.

1. Right click on the shortcut and select properties.
2. From the shortcut tab, click on the Change Icon Button
3. Click the Browse button and locate the REDNMX\Update folder.
4. Select the RedNMX.exe icon
5. Click Open
6. Click OK, then OK again.
7. The shortcut should now show the RedNMX icon.

Time Synchronization Methods

Alpine Software has utilized several methods of time Synchronization. Install the world time server application on computers that are utilizing RedNMX applications, but are not on your network, i.e. they are accessing the database from the internet.

The first step is to synchronize the server.

1. Download the following
<http://www.worldtimeserver.com/atomic-clock/>
2. Install the application.

Atomic Clock is used to make sure that the server will always have the correct time. Enter the server name in the Time Server Computer field found in the system setup. This ensures that any number of computers on your network will constantly check the server for the correct time.

RedNmx Trouble Shooting

The following section assist you in trouble shooting your system.

1. **Problem:** Clicking on the RedNmx icon and the program does not start.
 Solution: Verify that you are logged on to your network and you have access to the server.

2. **Problem:** Program is not updated.
 Solutions: Verify that the program launcher is setup properly. The program launcher is a self updating system.

Updating the RedNMX Application and Database

Currently, Alpine Software Corporation performs all update remotely. This documentation is provided for extenuating circumstances when ASC personnel do not have access to the server.

1. Copy REDNMX.EXE and REDNMX.MDB to the UPDATE directory on the server. Make sure that you have the latest application and access file.
2. Execute the following in the Start / Run command line:

```
<Exe Location>REDNMX.EXE <Server>:<Database> <Type> UPDATE
```

Where the following are defined as

EXE Location: Location of the rednmx.exe
Server: Name of the server.
Database: Name of the Database
Type: Type of Database, MYSQL, SQLSERVER etc.

The following is an example update command line.

```
D:\REDNMX\UPDATE\REDNMX.EXE LOCALHOST:REDNMX SQLSERVER UPDATE
```

3. Press the update button. The system will go through the entire update procedure.

RedNmx Backups

Most departments IT personnel have special backup systems in place. This is one example. We provide an automatic backup utility to assist you in backing up your data. Please be familiar with it and make sure that you understand its operation.

1. RABACKUP.exe. Backup utility must be running at all times on your server to create timed interval backups.

RABACKUP.ini is the settings file that sets up the utility for use.