



# How to Setup NFuse Elite in a MetaFrame XP Environment

**By Citrix Consulting Services**

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Version History		
Version 1.0	Marc Mutzman	March 2002

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## Introduction

This document provides high level instructions on how to setup an NFuse Elite server in a MetaFrame XP environment. This document is not intended to provide a step by step process. It assumes that the user has some familiarity with the installation of Windows 2000, SQL Server, MetaFrame, and NFuse Elite. This document intends to provide the basic install order and identifies areas of common confusion. The single machine configuration discussed in this document is intended for strictly demonstration purposes. Production systems should be designed, implemented, and tested to address scalability, redundancy, and corporate requirements.

# Installation and Configuration Steps

## Operating System

1. Install Windows 2000 Server on a clean partition. Make the partition at least 4 GB in size.
2. Make sure to select the Terminal Services component when provided with the list of components to install. Note Terminal Services is not selected by default.
3. Choose the Application Server Mode when prompted.
4. Install the latest service packs and critical updates after the operating system is installed. Use the Windows Update link on the Start menu.

## SQL Server 2000 (Optional)

1. Install Microsoft SQL Server 2000. Many of the CDA's within NFuse Elite require a database server to function properly.
2. Install the latest service pack for SQL Server 2000 (Service Pack 2 as of 3/5/02).

## MetaFrame XP and FR1

1. The MetaFrame and FR1 installs are relatively straightforward. The following items are the key decisions that need to be made during the installation:
  - a. Permissions should be made compatible with NT 4.0, unless the environment is strictly an Active Directory Environment.
  - b. Enter a name for the MetaFrame farm.
  - c. XML Service should share the default TCP/IP port with IIS since this machine will act as the MetaFrame Server as well as the web server.
2. If you do not require a fully licensed version skip this step and the next. Obtain a license and activation code for MetaFrame.
3. Enter the license for MetaFrame XP using the Citrix Management Console (CMC).
  - a. Select the license node on the tree.
  - b. Right click on the node and select Add License.
  - c. Enter the license number.
  - d. Answer Yes to the question about activation.
  - e. Copy your activation code into the text box in the dialog of the CMC and click OK.
4. Publish a couple of applications to test that the install worked.
  - a. In the CMC right click on applications and select Publish Application.
  - b. When prompted by the Wizard, enter the path to the .exe file of the application.

- c. Enter in the remaining settings as desired.
5. Create a New Application set (or setup a custom ICA session) for the server farm and attempt to launch the published application from a remote server.
  - a. Open up Program Neighborhood.
  - b. Double Click the "Find New Application Set" icon.
  - c. Run through the Wizard.
  - d. Right click on the application set and select Application Set Settings.
  - e. Change the value in the Address List to the IP address of the MetaFrame Server.
  - f. Double Click on the Application Set.
  - g. Double Click on the Published Application.
6. Load the MetaFrame FR1 CD ROM.
7. Install MetaFrame Service Pack 1.
8. Install MetaFrame Feature Release 1.
9. Install CMC Service Pack 1.
10. If you do not require a fully licensed version skip this step. Activate FR1 using the procedures described in Step 3.

## Microsoft Office

1. Copy a configured termsrvr.mst file locally to the MetaFrame server. This file will install MS Office to work in a Terminal Services environment.
2. Open the Control Panel > Add/Remove Programs.
3. Click the Add New Programs button.
4. Click the CD or Floppy button.
5. When prompted, enter the path for the setup.exe file as follows:
6. `d:\setup.exe transforms="c:\termsrvr.mst"`
7. For some reason this only seems to work if it is typed in all lower case.
8. Click Custom install when prompted.
9. Expand the Outlook node and select CDO library. There are a few CDA's (Exchange) that require the CDO library to be installed on the South Beach server.
10. After the installation is complete, publish the applications using the CMC.

## NFuse Elite

1. Run through the standard install.
2. After the install completes, right click on the cluster and select Add New Portal.

3. On the NFuse page of the New Portal wizard:
  - a. Enter the name of the MetaFrame server.
  - b. Enter the port used to communicate with the MetaFrame server (Port 80).
  - c. Set audio, resolution, etc. as desired.
  - d. Select Embedded ICA as one of the CDA's available to the portal. Without this CDA enabled for the Portal, users will be unable to launch Applications from the menu and select the In Portal option.
4. Launch the Portal and attempt to launch application from the portal menu labeled "Content."

## Disconnected Laptop

These steps will allow you to run the configured machine when it is not connected to a network.

1. Install the MS Loopback Adapter (Instructions: <http://support.microsoft.com/default.aspx?scid=kb;EN-US;q236869>). This will fake the machine into thinking that it is connected to a network.
2. Make sure your main Network Connection is disabled so that the MS Loopback will be used.
3. Uncheck all check boxes on your browser's LAN settings (Tools > Internet Options > Connection Tab > LAN settings button).

## Miscellaneous Steps

- All entries in the Hosts file (C:\WINNT\system32\drivers\etc) may need to be removed.
- The TCP/IP settings for the loopback adapter may need to be set as follows:
  - Hard Coded IP Address
  - Hard Coded Subnet address
  - Default Gateway
  - Blank DNS Server entries



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