

# Using Enhydra Director

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# Table of Contents

- 1. Introduction.....
- 2. System Requirements .....2
  - Windows NT.....2
  - Solaris.....2
  - Linux.....2
- 3. Preparation.....
- 4. Using Director.....
- 5. Configuring Your Application.....

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# Chapter 1. Introduction

This document describes the steps required to install and configure Enhydra Director.

For the most up-to-date information on Director, see the Enhydra Director Working Group [<http://director.enhydra.org/index.html>] .

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# Chapter 2. System Requirements

Director runs on Windows NT, Solaris, and Linux. Additionally, if you build Enhydra from the open source distribution, the Director module should compile and run on most Unix systems supported by Netscape/IPlanet web servers.

Note: Enhydra Director requires TCP/IP networking support. If you have not already done so, configure TCP/IP on at least one of your system's network interfaces.

## Windows NT

- Hardware:
  - Intel 80386 or later CPU. (Pentium 200Mhz or faster recommended)
  - Sparc-compatible system higher 64 MB RAM (128 MB Recommended)
- Operating System: Windows NT 4.0, Service Pack 6 or later.
- Web servers:
  - IPlanet/Netscape Enterprise Server version 4.0 or higher
  - Microsoft Internet Information Server, version 4.0 or later
  - Apache Web Server version 1.3.9 or later

## Solaris

- Hardware: Sparc-compatible system with 64 MB RAM (128 MB Recommended)
- Operating System: Sun Solaris version 2.6
- Web servers:
  - IPlanet/Netscape Web Server version 4.0 or higher
  - Apache Web Server version 1.3.9 or later

## Linux

- Hardware:
  - Intel 80386 or later CPU. (Pentium 200Mhz or faster recommended)
  - Sparc-compatible system higher 64 MB RAM (128 MB Recommended)
- Operating System: Version 2.2 kernel or later with support for recent versions of the glibc C library. (Redhat 6.1

recommended)

- Web servers:
  - IPlanet/Netscape Web Server version 4.0 or higher
  - Apache Web Server version 1.3.9 or later

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# Chapter 3. Preparation

Before installing Enhydra Director, determine the following:

- The machines on which you will be running Enhydra Multiserver.
- The applications you will be running on the Enhydra Multiservers.
- For each application:
  - The name of the machine and the port number on which each instance of the application will run. The port number is the 'port' used when configuring a connection of type 'EnhydraDirector' using the Multiserver Administration console.
  - The URL prefix used to identify the application. (For example '/demoApp')
  - Whether the application requires session affinity. That is, whether requests for the same session to an application should always be routed to the application server instance that created the session. Unless your application supports distribution of its sessions among other instances, you should assume that session affinity is needed. If your application does not use session information at all, you do NOT need session affinity.
- The name of the web server instance on which you wish to configure Enhydra Director.
- The TCP port of the web server instance on which you intend to configure Enhydra Director. By default, this is port 80.
- For Netscape, determine:
  - The location of the obj.conf file for your web server instances. On Windows NT, this is typically:  
`C:\Netscape\Server4\  
On Unix this is often  
/usr/netscape/server4/<instance>/config/obj.conf`
  - Where to install the EnhydraDirector files. On Windows NT, we recommend:  
`C:\Netscape\EnhydraDirector`  
On Unix, we recommend:  
`/usr/netscape/EnhydraDirector`
- For Apache, determine:
  - The location of the configuration files for Apache, typically  
`/usr/local/apache/conf`
  - The location of the executables directory for your Apache server, typically  
`/usr/local/apache/bin`

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# Chapter 4. Using Director

- Using Director with IPlanet Web Server ( [html \[director/iplanet\\_ws.html\]](#) , [pdf \[director/iplanet\\_ws.pdf\]](#) )
- Using Director with Internet Information Server ( [html \[director/internet\\_is.html\]](#) , [pdf \[director/internet\\_is.pdf\]](#) )
- Using Director with Apache ( [html \[director/apache.html\]](#) , [pdf \[director/apache.pdf\]](#) )

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# Chapter 5. Configuring Your Application

The following procedure assumes that you are using the Multiserver Administration console to add the connections for the application.

- Create Enhydra Director connections for your application. - Bring up the MultiServer Administration page for your Enhydra server instance.
- Select your application in the application list.
- Click on the 'Connections' tab to manage connections for your application instance.
- Within the 'Connections' tab, click 'Create'. A 'new connection' dialog box will appear.
- In the dialog box, check 'EnhydraDirector' as the connection type.
- Fill in the URL prefix and port. Also, if session affinity is NOT to be enabled, change the session affinity box from 'true' to 'false'.
- Click 'OK' to accept the new connection. In the main MultiServer admin page, click the 'Save State' floppy-disk icon to save your changes to the MultiServer configuration file. Click 'OK' to accept the rewrite of the configuration file.