

How to Install JFFNMS on Microsoft Windows XP w/ SP2

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1 Proposal

This installation guide it's for people that are having a bad experience when try install JFFNMS following the procedures of the Installation Guide for Windows found on <http://www.jffnms.org>

The installation procedure below was designed and tested to work on a Microsoft Windows XP Professional w/ SP2 Box.

I have not tested it on other version of Microsoft Windows, but it should works in Microsoft Windows 2000 Pro/Server and on Microsoft Windows Server 2003. This will not work for Windows 95/98/Me.

This document have unmodified pieces of the Installation Guide wrote by Javier Szyszlican aka SzYsZ.

The installation should be done as and Administrator User.

2 Installation

2.1 Install Apache

- Download Apache2 from: <http://www.apache.org/dist/httpd/binaries/win32/>
- Get the latest release "no_ssl.msi" package, like "apache_2.0.53-win32-x86-no_ssl.msi".
- Complete Install, Click on Next until Finish.
- You should see Apache running in your taskbar.
- Test it going browsing to <http://localhost/> or <http://IP.OF.YOUR.BOX/>

2.2 Install MySQL

- Download from: <http://www.mysql.com/downloads/mysql/3.23.html>
- Scroll down until you find Software Downloads by platform.
- Click on Microsoft Windows link.
- Scroll down until you find 3.23.58 and get the file with the following md5 checksum
MD5: 70ac7be84abda3c112dd83eb609b09fe
- Unzip the file and execute the Setup.exe
- Select the "Typical Installation", Click on Next until Finish.

- Now, install MySQL as a service:

```
c:\> c:\mysql\bin\mysqld-nt --install
```

- Start the MySQL service with these commands:

```
c:\> NET START mysql
```

- You should add a password for the root user.

```
c:\> c:\mysql\bin\mysqladmin -u root password NEW_PASSWORD
```

2.3 Install PHP

- Download PHP 4.3.11 from: <http://www.php.net/releases.php>
- Scroll down until you find the 4.3.11 session
- Get the "Windows Binary" with all the modules (First One).
- Extract the archive to `c:\php`
- Execute the following:

```
c:\> copy c:\php\php.ini-dist c:\windows\php.ini
c:\> copy c:\php\libmysql.dll c:\windows\
```

- Create Folder `c:\usr`
- Copy `c:\php\extra\libs` to `c:\usr\libs`

2.4 Install JFFNMS

- Download the .zip file (I'm sure you already have done this) and extract it to `c:\jffnms`
- Create the User 'jffnms' in the Windows User Manager with any password you choose.
- Remember to CHECK 'Password Never Expires' and UNCHECK 'Must Change password at next logon' for this user.
- Give the 'jffnms' user FULL CONTROL over the `c:\jffnms` folder (and its sub-folders)

2.5 Install RRDTOOL

- Download from: <http://people.ee.ethz.ch/~oetiker/webtools/rrdtool/pub/?M=D>
- Get the rrdtool-1.0.49-win32-bin.zip (or newer) file.
- Extract the archive to a temporary location.
- Copy the rrdtool.exe file from inside the archive to `c:\jffnms`

2.6 Install NMAP

- Download it from: http://www.insecure.org/nmap/nmap_download.html
- Get the nmap-3.81-win32.zip file (or newer)

- Extract the nmap.exe file from the archive to `c:\jffnms\`

2.7 Install WinPCAP for NMAP

- Download it from: <http://winpcap.polito.it/>
- Choose the Auto-Installer.
- Complete Install, Click on Next until Finish.

3 Configuration

3.1 Configure Apache for PHP4

Add this to the bottom of your c:\program files\apache group\Apache2\conf\httpd.conf file:

```
LoadModule php4_module "D:/php/sapi/php4apache2.dll"  
AddType application/x-httpd-php .php
```

```
Alias /jffnms/ "C:/jffnms/htdocs/"  
<Directory "C:/jffnms/htdocs/">  
    Options Indexes FollowSymlinks MultiViews  
    AllowOverride None  
    Order allow,deny  
    Allow from all  
</Directory>
```

* Make sure you modify the above information to match your needed settings

3.2 Configure PHP

Make sure you have this on your php.ini file:

```
register_globals = On  
register_argc_argv = On  
allow_url_fopen = On  
  
extension_dir = "c:\php\extensions"
```

(Uncomment the following):

```
extension=php_gd2.dll  
extension=php_snmp.dll  
extension=php_sockets.dll
```

SMTP = your.mail.server.com (set it to your mail server IP or DNS name)

Now Restart the Apache Service.

If you don't change these, JFFNMS will not work.

3.3 Configure MySQL

To create the JFFNMS DB run the following:

*Check the path to mysql.exe

```
c:\> c:\mysql\bin\mysql.exe -u root -p<Root MySQL Password>
```

```
mysql>CREATE DATABASE jffnms;
```

```
mysql>GRANT ALL PRIVILEGES ON jffnms.* TO jffnms@localhost IDENTIFIED BY  
'jffnms';
```

```
mysql>FLUSH PRIVILEGES;
```

```
mysql>quit;
```

And:

```
c:\> c:\mysql\bin\mysql.exe -ujffnms -pjffnms jffnms <  
c:\jffnms\docs\jffnms-0.8.x.mysql
```

Replace x with the version you are installing.

3.4 Configure JFFNMS

IMPORTANT

- Go to: <http://yourserver/jffnms>
- Verify and change (if needed) the options.
- Don't mind the errors on diff, neato, smsclient, fping, ntpq, PostgreSQL and SOAP.
- Save the configuration and change the values until everything needed is Green.

- Everything else SHOULD be OK.

3.5 Scheduled Tasks

- If you did not install jffnms in `c:\jffnms` you will have to change the contents of the .bat files (path).
- Start/Settings/Control Panel/Scheduled Tasks/Add Scheduled Task.
 - 1) Next
 - 2) Click Browse
 - 3) Browse to `c:\jffnms\engine\windows` and select the first .bat file.
 - 4) Select Daily, then Next.
 - 5) Change the Start time to 12:00 AM
 - 6) Select Every 1 Days then Next.
 - 7) Enter Username: jffnms and Password: (the one you choosed before), then Next.
 - 8) Click the 'Open Avanced...' checkbox, then click Finish
 - 9) Change "Start In" to `c:\jffnms\engine`
 - 10) Click the Schedule tab
 - 11) For autodiscovery_interfaces, consolidate, & rrd_analizer: poller

Click on the Advanced Button.

Check Repeat Task. In the Every Field enter the respective times:

- autodiscovery_interfaces - Every 30 minutes.
- consolidate - Every 1 Minute.
- poller - Every 4 minutes.
- rrd_analizer - Every 30 minutes.

Duration: 24 Hours.

12) Click on OK.

13) Click on OK.

**** REPEAT THESE STEPS FOR EACH .BAT FILE IN THE C:\JFFNMS\ENGINE\WINDOWS PATH!**

- Now... try to access `http://yourserver/jffnms/` or
`http://IP.OF.YOUR.BOX/jffnms/` (if you took this way)
- Remember to add the last slash / to the URL.
- The Default Username and password is "admin".