

Men & Mice Suite 5.0

Installation Instructions

for Windows, Solaris, Linux, FreeBSD and Mac OS X

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Introduction

The Men & Mice Suite consists of several components. This guide contains instructions on how to install the components of the Men & Mice Suite for various platforms.

Men & Mice Suite system requirements

Below you will find information on the system requirements for the individual components of the Men & Mice Suite on supported platforms.

	Windows	Linux	Solaris	FreeBSD	Mac OS
Men & Mice Management Console	Microsoft Windows (2000, 2003, XP) Super VGA (1024*768) or higher-resolution monitor	N/A	N/A	N/A	Mac OS X 10.3 or later
Men & Mice Web Interface	Microsoft Windows (2000, 2003, XP) Web server software that supports JSP (Java Server Pages)	Red Hat Linux 8.0 or later, including Fedora and Red Hat Enterprise Server, or SuSE 8.2 or later for x86 JDK 1.4 or later Web server software that supports JSP (Java Server Pages)	An UltraSparc processor is required Solaris (version 8 or later) JDK 1.4 or later Web server software that supports JSP (Java Server Pages)	FreeBSD 4.5 or later for x86 JDK 1.4 or later Web server software that supports JSP (Java Server Pages)	Mac OS X 10.3 or later Web server software that supports JSP (Java Server Pages)
Men & Mice CLI	Microsoft Windows (2000, 2003, XP)	Red Hat Linux 8.0 or later, including Fedora and Red Hat Enterprise Server, or SuSE 8.2 or later for x86	An UltraSparc processor is required Solaris (version 8 or later)	FreeBSD 4.5 or later for x86	Mac OS X 10.3 or later
Men & Mice DNS Server Controller	Windows 2000 Server or Windows 2003 Server Microsoft DNS Server installed	Red Hat Linux 8.0 or later, including Fedora and Red Hat Enterprise Server, or SuSE 8.2 or later for x86 BIND 8.3.x or BIND 9.2.1 or later	An UltraSparc processor is required Solaris (version 8 or later) BIND 8.3.x or BIND 9.2.1 or later	FreeBSD 4.5 or later for x86 BIND 8.3.x or BIND 9.2.1 or later	Mac OS X 10.3 or later
Men & Mice Central	Microsoft Windows (2000, 2003, XP)	Red Hat Linux 8.0 or later, including Fedora and Red Hat Enterprise Server, or SuSE 8.2 or later for x86	An UltraSparc processor is required Solaris (version 8 or later)	FreeBSD 4.5 or later for x86	Mac OS X 10.3 or later

Installing the Men & Mice Management Console

The Men & Mice Management Console is used to manage your DNS and DHCP servers. The Management Console is available as a Windows program.

Upgrading from a previous version

To upgrade from a previous version of the Management Console you must first uninstall the old version. Note that if you are upgrading from a version older than 5.0 you will need new activation keys to use version 5.0 of the Men & Mice Suite.

Windows installation

Follow these instructions to install the Men & Mice Management Console on Windows

1. If you downloaded the program from the Men & Mice web site, run **Management Console.msi**.

-or-

Insert the Men & Mice Suite CD, open the Men & Mice folder and click **Install Men & Mice Management Console**

2. Follow the on-screen instructions to complete installation.

Installing Men & Mice Central and Men & Mice DNS Server Controller

The Men & Mice DNS Server Controller must be installed on every DNS server computer you want to administer. The DNS Server Controller communicates with the Men & Mice Management Console to read and write zone and server option files and sends commands to the DNS server. The Server Controller runs as a service on Windows or as a daemon on Unix.

Men & Mice Central handles user authentication and contains information about access privileges. One copy of Men & Mice Central must be installed. Men & Mice Central runs as a service on Windows or as a daemon on Unix.

The sections below contain information on how to install the Men & Mice DNS Server Controller and Men & Mice Central for each of the supported platforms.

Windows installation

There are separate installers for the Men & Mice DNS Server Controller and Men & Mice Central for Windows. The following section contains installation instructions for Men & Mice Central and the Men & Mice DNS Server Controller.

Upgrading from a previous version

To upgrade from a previous version you must first uninstall the old version. Note that if you are upgrading from a version older than 5.0 you will need new activation keys to use version 5.0 of the Men & Mice Suite.

Installing the Men & Mice Server Controller

To install the DNS Server Controller for Windows:

1. If you downloaded the program from the Men & Mice web site, run **Men & Mice DNS Server Controller.msi**.

-or-

Insert the Men & Mice Suite CD, open the Men & Mice Suite folder and click **Install Men & Mice DNS Server Controller**

2. Follow the on-screen instructions to complete installation.

Command-line options for the DNS Server Controller

The DNS Server Controller runs as a service and you can start and stop the DNS Server Controller using the Services application. You can also control the DNS Server Controller using these command-line options:

<code>qdnsr -i</code>	Installs the DNS Server Controller as a service
<code>qdnsr -u</code>	Uninstalls the DNS Server Controller
<code>qdnsr -start</code>	Starts the DNS Server Controller service
<code>qdnsr -stop</code>	Stops the DNS Server Controller service
<code>qdnsr -h</code>	Displays available command line options for the DNS Server Controller

Event logging

The DNS Server Controller logs several types of events to the Event Log. If the DNS Server Controller cannot start, an error message is created in the Event Log. Use the Event Viewer application to view the Event Log.

Uninstalling the DNS Server Controller

Use the following steps to uninstall the DNS Server Controller:

1. On the Start menu, choose **Settings | Control Panel**.
2. Double click the **Add/Remove Programs** icon.
3. Select **Men & Mice DNS Server Controller** from the Install/Uninstall list.
4. Click **Add/Remove**.
5. Follow the on-screen instructions.

Installing Men & Mice Central

To install Men & Mice Central for Windows:

1. If you downloaded the program from the Men & Mice web site, run **Men & Mice Central.msi**.

-or-

Insert the Men & Mice Suite CD, open the Men & Mice Suite folder and click **Install Men & Mice Central**

2. Follow the on-screen instructions to complete installation.

Command-line options for Men & Mice Central

Men & Mice Central runs as a service and you can start and stop Men & Mice Central using the Services application. You can also control Men & Mice Central using these command-line options:

<code>qdnsc -i</code>	Installs Men & Mice Central as a service
<code>qdnsc -u</code>	Uninstalls Men & Mice Central
<code>qdnsc -start</code>	Starts the Men & Mice Central service
<code>qdnsc -stop</code>	Stops the Men & Mice Central service
<code>qdnsc -h</code>	Displays available command line options for Men & Mice Central

Event logging

Men & Mice Central logs several types of events to the Event Log. If Men & Mice Central cannot start, an error message is created in the Event Log. Use the Event Viewer application to view the Event Log.

Uninstalling Men & Mice Central

Use the following steps to uninstall Men & Mice Central:

1. On the Start menu, choose **Settings | Control Panel**.

2. Double click the **Add/Remove Programs** icon.
3. Select **Men & Mice Central** from the Install/Uninstall list.
4. Click **Add/Remove**.
5. Follow the on-screen instructions.

Unix installation

Before you begin installing the Men & Mice Suite, it is a good practice to make a backup copy of all your named configuration and zone files.

Upgrading from a previous version

When upgrading from a previous version you just need to run the installer as with a new installation. Note that if you are upgrading from a version older than 5.0 you will need new activation keys to use version 5.0 of the Men & Mice Suite.

BIND 9-specific instructions

If you are using BIND 9, a *controls* statement must exist in the */etc/named.conf* file. Use the following instructions to create this statement if it does not already exist:

1. Create an *rndc.conf* file using the tool *rndc-confgen* which came with BIND 9:

```
rndc-confgen > /etc/rndc.conf
```

2. Open */etc/named.conf* in an editor.
3. Copy the commented part of the output to the beginning of your name server's *named.conf* file and remove the comment character (#) from the beginning of each copied line.
4. Save the file.

Installing the Men & Mice Suite

Use the following instructions to install the Men & Mice DNS Server Controller and Men & Mice Central for Solaris 8 and Linux (Red Hat and SuSE).

1. Download the appropriate installer for the Men & Mice Suite.
2. Log in as root. You must install this software using superuser privileges.
3. Untar and gunzip the downloaded file:

```
tar xfz <filename>
```

or:

```
gzcat <filename> | tar xf -
```

This will create the directory *mmsuite-5.0*.

Go to the *mmsuite-5.0* directory and run the install script:

```
cd mmsuite-5.0
```



```
./install
```

Follow the on-screen instructions to complete the installation.

Command-line options for the DNS Server Controller and Men & Mice Central

You can set several options when starting the DNS Server Controller and Men & Mice Central. To see which options you can set enter the following commands:

```
/usr/sbin/qdnsremoted -h
```

or:

```
/usr/sbin/qdnscentrald -h
```

Event logging

The DNS Server Controller and Men & Mice Central send event messages to the system log. You can change the log level by using the `-ll` command-line option when starting the relevant daemon.

Mac OS X installation

Use the following instructions to install the Men & Mice Suite for Mac OS X

Upgrading from a previous version

When upgrading from a previous version you just need to run the installer as with a new installation. Note that if you are upgrading from a version older than 5.0 you will need new activation keys to use version 5.0 of the Men & Mice Suite.

Installing the Men & Mice Suite

1. Download the installer for the Men & Mice Suite
2. Mount the disk image and double-click the Men & Mice Suite installer.
3. Follow the on-screen instructions to install the Men & Mice Suite

Note: If your machine has a version of BIND later than 9.3.1 installed, you should choose Custom Install and deselect the BIND 9.3.1 package.

To install Men & Mice Central, run the Men & Mice Central Installer. Remember that Men & Mice Central should only be installed on one machine.

Installing the Men & Mice Command Line Interface

The Men & Mice Command Line Interface allows you to perform most DNS management tasks from the command line.

Note: The Men & Mice Command Line Interface cannot be used with the Small Business version of the Men & Mice Suite.

Follow these instructions to download and install the Men & Mice Command Line Interface:

1. Download the Men & Mice Command Line Interface package for your platform.
2. Decompress the downloaded package.

Windows

The package is in standard .zip format and can be decompressed with any decompressing utility that supports this format.

Linux

The package is a compressed .tar archive. To decompress it, enter:

```
tar xfz <filename>
```

Solaris

The package is a compressed .tar archive. To decompress it, enter:

```
gzcat <filename> | tar xf -
```

Mac OS X

The package is in standard .tgz format and can be decompressed with any decompressing utility that supports this format.

After decompressing, you should read the included CLI documentation and review the examples.

Men & Mice Web Interface

The Men & Mice Web Interface allows you to perform various operations from your web browser.

Note: The Men & Mice Web Interface cannot be used with the Small Business version of the Men & Mice Suite.

Windows installation

To install the Men & Mice Web Interface for Windows:

1. Download the Men & Mice Web Interface package and start the installer
2. Follow the on-screen instructions to complete installation
3. Connect to the Men & Mice Web Interface using a web browser. The web server uses port 8088. Enter the following URL to connect:

```
http://localhost:8088
```

Where 'localhost' is the name of the server running the Men & Mice Web Interface

Unix installation

To install the Men & Mice Web Interface for Linux, Solaris and FreeBSD:

1. Download the appropriate installer for the Men & Mice Web Interface.
2. Log in as root. You must install this software using superuser privileges.

Untar and gunzip the downloaded file:

```
tar xfz <filename>
```

or:

```
gzcat <filename> | tar xf -
```

This will create the directory *mmwebint*

Go to the *mmwebint* directory and run the install script:

```
cd mmwebint  
./install
```

3. Connect to the Men & Mice Web Interface using a web browser. The web server uses port 8088. Enter the following URL to connect:

```
http://localhost:8088
```

Where 'localhost' is the name of the server running the Men & Mice Web Interface .

Appendix A - Unix installation – more information

This section contains some background information regarding the Unix installation procedure for the Men & Mice DNS Server Controller and Men & Mice Central.

What is installed where?

During installation the following files are placed on your system:

Linux and Solaris

The DNS Server Controller on Linux and Solaris stores files in the following locations. Note that some installations use the path */var/lib/named/* instead of */var/named/*

<i>/usr/sbin/qdnsremoted</i>	Men & Mice DNS Server Controller daemon that listens on TCP port 1337
<i>/var/named/qdns/preferences.cfg</i>	Preference file for the DNS Server Controller
<i>/var/named/hosts/masters/</i>	Directory where master zone files are stored
<i>/var/named/hosts/slaves/</i>	Directory where slave zone files are stored
<i>/var/named/conf/options</i>	File that stores miscellaneous options for the server
<i>/var/named/conf/root.hint</i>	File containing info on root servers
<i>/var/named/conf/zones</i>	List of <i>include</i> statements for zone option files
<i>/var/named/conf/zoneopt/</i>	Directory that stores option files for zones (one file per zone)
<i>/var/named/conf/logging</i>	Contains the <i>logging</i> statement
<i>/var/named/conf/user_after</i>	Contains <i>server</i> , <i>controls</i> and <i>trusted-keys</i> statements and the definition of the root (".") zone
<i>/var/named/conf/user_before</i>	Contains <i>acl</i> and <i>key</i> statements
<i>/etc/init.d/qdnssr</i>	Startup script for the DNS Server Controller.

Men & Mice Central on Linux and Solaris stores files in the following locations.

<i>/usr/sbin/qdnscentrald</i>	Men & Mice Central daemon that listens on TCP port 1231
<i>/var/qdns/</i>	Directory for the Men & Mice Central database files
<i>/etc/init.d/qdnsc</i>	Startup script for Men & Mice Central.

FreeBSD

The DNS Server Controller on FreeBSD stores files in the following locations.

<i>/usr/local/sbin/qdnsremoted</i>	DNS Server Controller daemon that listens on TCP port 1337
<i>/etc/namedb/qdns/preferences.cfg</i>	Preference file for DNS Server Controller
<i>/etc/namedb/hosts/masters/</i>	Directory where master zone files are stored
<i>/etc/namedb/hosts/slaves/</i>	Directory where slave zone files are stored
<i>/etc/namedb/conf/options</i>	File that stores miscellaneous options for the server
<i>/etc/namedb/conf/root.hint</i>	File containing info on root servers
<i>/etc/namedb/conf/zones</i>	List of <i>include</i> statements for zone option files
<i>/etc/namedb/conf/zoneopt/</i>	Directory that stores option files for zones (one file per zone)
<i>/etc/namedb/conf/logging</i>	Contains the <i>logging</i> statement
<i>/etc/namedb/conf/user_after</i>	Contains <i>server</i> , <i>controls</i> and <i>trusted-keys</i> statements and the definition of the root (".") zone
<i>/etc/namedb/conf/user_before</i>	Contains <i>acl</i> and <i>key</i> statements
<i>/usr/local/etc/rc.d/qdnscr</i>	Startup script for the DNS Server Controller.

Men & Mice Central on FreeBSD stores files in the following locations.

<i>/usr/local/sbin/qdnscentrald</i>	Men & Mice Central daemon that listens on TCP port 1231
<i>/var/qdns/</i>	Directory for the Men & Mice Central database files
<i>/usr/local/etc/rc.d/qdnsc</i>	Startup script for Men & Mice Central.

Reverting to the original configuration

Use the following instructions to revert to your original configuration (as it was before installing the Men & Mice Suite). Note that you will lose all changes you have made with the Men & Mice Suite.

Linux and Solaris

To remove the DNS Server Controller:

- Run `/etc/init.d/qdnssr stop` to stop the DNS Server Controller
- Move `/var/named/` to `/var/named.qdns/`
- Move `/var/named.bak/` to `/var/named/`
- Move `/etc/named.conf` to `/etc/named.qdns.conf`
- Move `/etc/named.conf.bak` to `/etc/named.conf`
- Remove `/usr/sbin/qdnssremoted`
- Remove `/etc/init.d/qdnssr`
- Remove the startup script for the DNS Server Controller:

Red Hat:

```
rm /etc/rc.d/rc*.d/*qdnssr
```

SuSE:

```
rm /etc/init.d/rc*.d/*qdnssr
```

Solaris:

```
rm /etc/rc*.d/*qdnssr
```

To remove Men & Mice Central:

- Run `/etc/init.d/qdnsc stop` to stop Men & Mice Central
- Remove `/usr/sbin/qdnscentrald`
- Remove `/etc/init.d/qdnsc`
- Remove `/var/qdns/`
- Remove the startup script for Men & Mice Central:

Red Hat:

```
rm /etc/rc.d/rc*.d/*qdnsc
```

SuSE:

```
rm /etc/init.d/rc*.d/*qdnsc
```

Solaris:

```
rm /etc/rc*.d/*qdnsc
```

FreeBSD

To remove the DNS Server Controller:

- Run `/usr/local/etc/rc.d/qdnshr stop` to stop the DNS Server Controller
- Move `/etc/namedb/` to `/etc/namedb.qdns/`
- Move `/etc/namedb.bak/` to `/etc/namedb/`
- Move `/etc/namedb/named.conf.bak` to `/etc/namedb/named.conf`
- Remove `/usr/local/sbin/qdnshremoted`
- Remove the startup script for the DNS Server Controller:

```
rm /usr/local/etc/rc.d/qdnshr*
```

To remove Men & Mice Central:

- Run `/usr/local/etc/rc.d/qdnsc stop` to stop Men & Mice Central
- Remove `/usr/local/sbin/qdnscentrald`
- Remove `/var/qdns/`
- Remove the startup script for Men & Mice Central:

```
rm /usr/local/etc/rc.d/qdns
```