



Installation of Mono and launching NooJ on it

Ubuntu 11.10

This distribution of Ubuntu comes with many pre-installed applications, and Mono framework is one of them. In order to launch NooJ under Mono, user has to install the additional two packages:

mono-4.0-service, libmono-system-runtime-serialization-formatters-soap4.0-cil

Installation procedure:

Install them from Software Center, or open terminal, and execute the following:

```
sudo apt-get install mono-4.0-service
```

```
sudo apt-get install libmono-system-runtime-serialization-formatters-soap4.0-cil
```

Launching NooJ:

Open terminal, navigate to the directory containing NooJ.exe (Mono version), and run mono.

```
cd path_to_nooj_directory
```

```
mono NooJ.exe
```

Fedora 16

Installation procedure:

```
yum install mono-*
```

Launching NooJ:

Open terminal, navigate to the directory containing NooJ.exe (Mono version), and run mono.

```
cd path_to_nooj_directory
```

```
mono NooJ.exe
```

OpenSUSE 12.1

Installation procedure:

```
sudo zypper install mono-winforms gtk-sharp2
```

Launching NooJ:

Open terminal, navigate to the directory containing NooJ.exe (Mono version), and run mono.

```
cd path_to_nooj_directory
```

```
mono NooJ.exe
```

Mac OS X Lion

Installation procedure:

Download Mac OSX Installer from <http://download.mono-project.com/archive/2.10.5/download/> and install it. All System.Windows.Forms applications require X11 to be installed (for font rendering), so you must have it installed.

Launching Nooj:

Open terminal, navigate to the directory containing Nooj.exe (Mono version), and run mono.

```
cd path_to_nooj_directory
```

```
export MONO_MWF_MAC_FORCE_X11=1
```

```
mono Nooj.exe
```

You cannot use the Carbon System.Windows.Forms driver (which is the default driver) instead of X11. For this reason we have to set an environment variable before we run mono.

If you have another version of Mono installed, you can uninstall it using the script you can find here (it must be run as root):

http://www.mono-project.com/Mono:OSX#Uninstalling_Mono_on_Mac_OS_X

Known issue: Launching Nooj on this way doesn't work on another version of Mac OS X, because of a bug in Mono.

Other systems

If you have another operating system, you have to install Mono (version $\geq 2.10.5$) from source. This can be a bit more complicated, if you have no experiences in similar installations. But, fortunately, there are installation scripts, that could be helpful in this situation:

<https://github.com/nathanb/iws-snippets/tree/master/mono-install-scripts>

For example, if you want to install mono 2.10.8 on Ubuntu 10.04, you have to follow the next instructions:

Installation procedure:

```
wget https://raw.github.com/nathanb/iws-snippets/master/mono-install-scripts/ubuntu/install_mono-2.10.sh
```

```
chmod +x install_mono-2.10.sh
```

```
./install_mono-2.10.sh
```

You will need to enter your root password. This installation procedure takes a long time.

Launching Nooj:

Open terminal, navigate to the directory containing Nooj.exe (Mono version), and run just installed mono, not the default one.

```
cd path_to_nooj_directory
```

```
/opt/mono-2.10/bin/mono Nooj.exe
```

Do not hesitate to contact me if you have any questions related to installing of Mono, or launching Nooj:

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