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|  | **2014** |
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| **[Fedora]** |
| Todo |

Inhoud

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# Distributions

Network install: <http://fedoraproject.org/en/get-fedora#formats>   
During installation: select GNOME,  
  
LXDE is a nice minimal desktop.

# Installation

Easy and fast. VM available in about 15 min.  
ref: <http://fedoraproject.org/> 64 bit iso

Set (yum) proxy if needed:  
$ sudo nano /etc/yum.conf  
Details: <https://www.centos.org/docs/5/html/yum/sn-yum-proxy-server.html>  
Example:  
[main]  
cachedir=/var/cache/yum/$basearch/$releasever  
keepcache=0  
debuglevel=2  
logfile=/var/log/yum.log  
exactarch=1  
obsoletes=1  
gpgcheck=1  
plugins=1  
installonly\_limit=3  
proxy=<http://130.139.104.40:8080>

Linux editor (optional)  
$ sudo yum –y install gedit  
  
Linux editor (optional)  
$ sudo yum –y install firefox  
  
gcc / g++ installation (can be skipped if questedition is installed)  
$ sudo yum install gcc-c++

subversion  
$ sudo yum install subversion

subversion-javahl (jni library for subclipse)  
$ sudo yum install subversion-javahl  
  
jvm (with jdk)  
$ sudo yum install java-1.7.0-openjdk-devel  
or  
sudo yum install java-1.8.0-openjdk-devel  
OR Sun JDK RPM:  
<http://www.oracle.com/technetwork/java/javase/downloads/index.html>   
Installed at: /usr/java  
Next updated alternatives  
source: <http://askubuntu.com/questions/56104/how-can-i-install-sun-oracles-proprietary-java-jdk-6-7-8-or-jre> (used only parts).  
$ sudo update-alternatives --install "/usr/bin/java" "java" "/usr/java/jdk1.8.0\_25/bin/java" 1  
$ sudo update-alternatives --install "/usr/bin/javac" "javac" "/usr/java/jdk1.8.0\_25/bin/javac" 1  
$ sudo update-alternatives --install "/usr/bin/javaws" "javaws" "/usr/java/jdk1.8.0\_25/bin/javaws" 1  
$ sudo update-alternatives --install "/usr/bin/javah" "javah" "/usr/java/jdk1.8.0\_25/bin/javah" 1  
And  
$ sudo update-alternatives --config java  
  
Test:  
$ echo $JAVA\_HOME  
If JAVA\_HOME it not set you can add/update file: /etc/profile.d/set\_java\_home.sh  
content:   
export JAVA\_HOME=/usr/lib/jvm/java  
Ref: <http://stackoverflow.com/questions/12085922/what-is-the-correct-path-for-java-home-on-a-linux-system-that-uses-alternatives?lq=1>   
  
maven (see maven.doc for 2 minute install)  
$ sudo yum install maven  
Note (july 2014): maven is not latest build and requires jdk 1.7. So even with djk1.8 installed, it will result in installation of jdk 1.7.  
Note: if install via RPM, also update settings.xml (see maven.doc)  
Update /etc/hosts (linux) or C:\Windows\System32\drivers\etc\hosts (windows) with mapped addresses.

rpmbuild  
$ sudo yum install rpm-build

scons  
$ sudo yum –y install scons  
For valgrind, etc, see c++ doc.

Guest editions, steps 1-4 from  
<http://www.binarytides.com/vbox-guest-additions-fedora-20/>  
Shared folders: the other steps.   
Step 3 describes the installation. Check that all tasks return [ ok ]. If one fails, this can be solved by downloading and installing the lastest version of VirtualBox and Extension.  
Extensions can be installed via File -> Preferences -> Extensions.

# Configuration

## SSH access

SSHD is already installed, but sshd service is not running  
Start the ssh deamon:

$ /sbin/service sshd start

For all details:  
<http://www.techotopia.com/index.php/Configuring_Fedora_Linux_Remote_Access_using_SSH#Installing_SSH_on_an_Fedora_Linux_System>