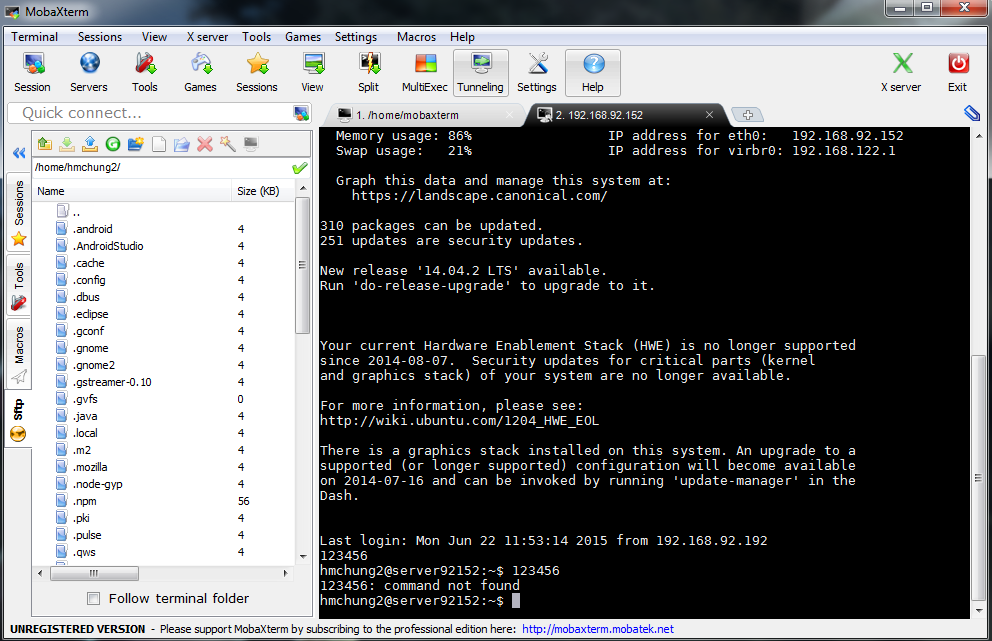
**Dev Setup Environment On Ubuntu**

1. Dev Environment
   1. Create user

Installing “MobaXterm Personal Edition” software



**MobaXterm Personal Edition**

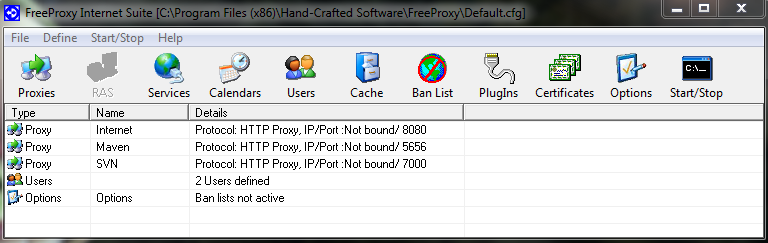
|  |
| --- |
| **Terminal** |
| # create a user on ‘MobaXterm Personal Edition’ commander $ sudo adduser [username] |

* 1. Create SVN Session

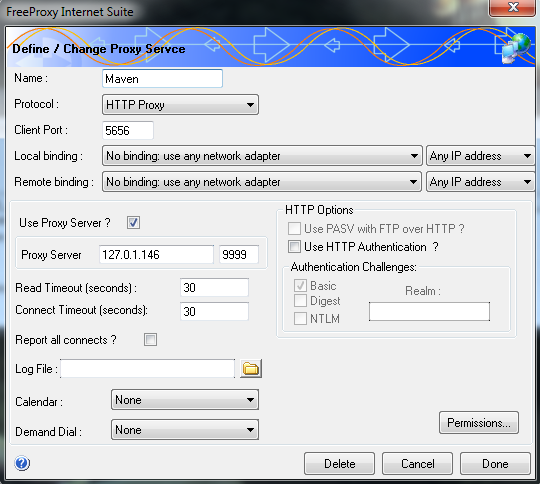
|  |
| --- |
| **Terminal** |
| # create vncserver on ‘MobaXterm Personal Edition’ commander $ vncserver :[port] –geometry [resolution] #1280x930 |

* 1. Setup Proxy

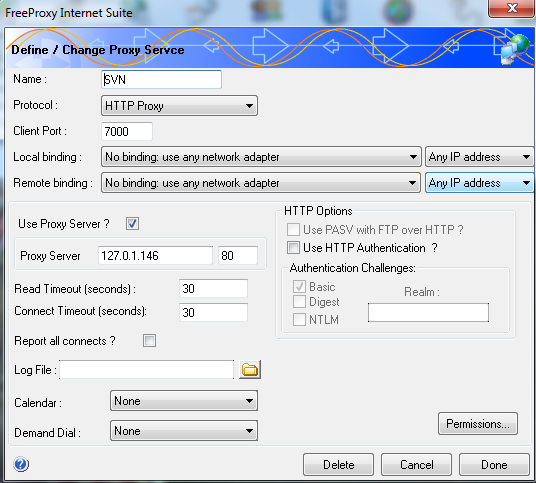
Installing “Free Proxy Client” software



**Free Proxy Client**



**Maven Proxy Setup**



**SVN Proxy Setup**

|  |
| --- |
| Windows Firewall > Advanced settings   * 1. Inbound Rules > New rule   2. Outbound Rules > New rule      1. Rule Type > **Port**      2. Program > **All program**      3. Action > **Allow the connection**      4. Profile > **All**      5. Name > **FreeProxy** |

* 1. Samba  
     Edit the file "/etc/samba/smb.conf"

|  |
| --- |
| * 1. [<folder\_name>]   2. path = /home/<user\_name>/<folder\_name>   3. available = yes   4. valid users = <user\_name>   5. read only = no   6. browseable = yes   7. public = yes   8. writable = yes |

|  |
| --- |
| **Terminal** |
| # restart the samba  $ sudo restart smbd # check your smb.conf for any syntax errors  $ testparm |

* 1. Install Tools
     1. Server Dev
        1. JDK

|  |
| --- |
| **~/.profile** |
| JAVA\_HOME=/home/hmchung2/axsproject/tools/jdk1.7.0\_05  JAVA\_OPTS='-Xmx4096m -Xms1024m -XX:MaxPermSize=256m -Xdebug -Xrunjdwp:transport=dt\_socket,address=192.168.95.115:3456,server=y,suspend=n'  PATH=$JAVA\_HOME/bin:$PATH |

* + - 1. Maven

Setup Maven environment variable

|  |
| --- |
| **.profile** |
| MAVEN\_HOME=/home/hmchung2/axsproject/tools/apache-maven-3.2.1  M2\_HOME=$MAVEN\_HOME  M2=$M2\_HOME/bin  PATH=$M2:$PATH |

Maven proxy configuration

|  |
| --- |
| **$MAVEN\_HOME/conf/settings.xml** |
| <localRepository**>/home/hmchung2/axsproject/mavenRepo**</localRepository>  ….  <proxy>  <id>optional</id>  <active>true</active>  <protocol>http</protocol>  <username></username>  <password></password>  <host>**192.168.92.192**</host>  <port>5656</port>  <nonProxyHosts>192.168.95.115, avatar.in.alcatel-lucent.com</nonProxyHosts>  </proxy> |

* + - 1. MySQL

Setup MySQL environment variable

|  |
| --- |
| **.profile** |
| MYSQL\_HOME=/home/hmchung2/axsproject/tools/mysql  MYSQL\_WORK=/home/hmchung2/axsproject/tools/mysql\_work  MYSQL\_DATA=$MYSQL\_WORK/data |

|  |
| --- |
| **Terminal** |
| # Uninstall current MYSQL app $ sudo apt-get remove --purge mysql-server mysql-client mysql-common  $ ps aux | grep mysql  $ kill -9 id |

|  |
| --- |
| **Terminal** |
| # Installing MYSQL $ $MYSQL\_HOME/scripts/mysql\_install\_db --basedir=$MYSQL\_HOME --datadir=$MYSQL\_DATA;  $ $MYSQL\_HOME/bin/mysqld\_safe --transaction-isolation=READ-COMMITTED --character\_set\_server=utf8 --collation\_server=utf8\_bin --basedir=$MYSQL\_HOME --datadir=$MYSQL\_DATA --pid-file=$MYSQL\_HOME/mysqld.pid --socket=$MYSQL\_HOME/mysql.sock --bind-address=192.168.92.152 --innodb\_data\_file\_path=ibdata1:10M:autoextend --port=3306 --user=hmchung2 --log-bin=iblog --binlog\_format=row --ledir=$MYSQL\_HOME/bin &  $ $MYSQL\_HOME/bin/mysqladmin -u root -p mysql --socket=$MYSQL\_HOME/mysql.sock; |

|  |
| --- |
| **Terminal** |
| # Login to MYSQL $ $MYSQL\_HOME/bin/mysql -uroot -pmysql --socket=$MYSQL\_HOME/mysql.sock;  $ /home/hmchung2/axsproject/software/mysql-5.6.22-linux-glibc2.5-x86\_64/bin/mysqladmin -u root -h server92152 password 'mysql'  $ $MYSQL\_HOME/bin/mysql -uroot -pmysql --socket=$MYSQL\_HOME/mysql.sock -h server92152; |

|  |
| --- |
| **Terminal** |
| # grant Permissions to a MySQL User mysql> grant all on \*.\* to amsadminusr@’\*’ identified by 'mysql'  mysql> grant all on \*.\* to root@localhost identified by 'mysql';  mysql> grant all on \*.\* to ‘root’@localhost identified by 'mysql';  mysql> grant all on \*.\* to root@’localhost’ identified by 'mysql';  mysql> grant all on \*.\* to amsadminusr@'\*' identified by 'mysql';  myslq> grant all on \*.\* to amsadminusr@'localhost' identified by 'mysql';  myslq> grant all on \*.\* to ‘amsadminusr’@'192.168.92.192' identified by 'mysql';  myslq> grant all on \*.\* to ‘amsadminusr’@192.168.92.192 identified by 'mysql'; |

|  |
| --- |
| **Terminal** |
| # create emlplatform db myslq> create database emlplatform  # Drop emlplatform db  myslq> drop database emlplatform |

|  |
| --- |
| **Terminal** |
| # Import db  $ $MYSQL\_HOME/bin/mysql -uroot -pmysql --sock=$MYSQL\_HOME/mysql.sock emlplatform < db.sql |

* + - 1. Subversion

Setup SVN environment variable

|  |
| --- |
| **.profile** |
| SVN\_PATH=/home/ hmchung2/axsproject/tools/csvn  PATH=$SVN\_PATH:$PATH |

|  |
| --- |
| **~/.subversion/servers** |
| [global]  http-proxy-host = 192.168.92.192  http-proxy-port = 7000 |

* + 1. Client Dev
       1. Git

|  |
| --- |
| **Terminal** |
| # installing Git  $ sudo apt-get install git  # Git configuration  $ git config --global url."https://".insteadOf git:// |

* + - 1. NodeJS

|  |
| --- |
| **Terminal** |
| # installing NodeJS  $ sudo apt-get install git  # Config proxy for npm $ npm config set proxy <http://10.10.10.10:8080> $ npm config set https-proxy <http://10.10.10.10:8080> |

* + - 1. Bower & Grunt

|  |
| --- |
| **Terminal** |
| # installing Bower & Grunt  $ npm install -g bower grunt-cli grunt |

* + - 1. Setup HTTP-PROXY proxy

Setup HTTP-PROXY environment variable

|  |
| --- |
| **.profile** |
| export HTTP\_PROXY=http://10.10.10.10:8080  export HTTPS\_PROXY=http://10.10.10.10:8080  export https\_proxy=http://10.10.10.10:8080  export http\_proxy=http://10.10.10.10:8080  export http\_proxy=http://hmchung2:123456@10.10.10.10:8080/  export ftp\_proxy=http://hmchung2:123456@10.10.10.10:8080/ |

* 1. Checkout code

|  |
| --- |
| **Terminal** |
| # TMA Repo <http://192.168.95.80/svn/axs/collectors/trunk>  # ALU Repo <http://tiger.in.alcatel-lucent.com/svn/axs/collectors/trunk>  # relocate $ ams.sh relocate  # updating the trunk $ svn up |

* 1. Setup dev mode for trunk

|  |
| --- |
| **trunk/setup/topom/pon.xml** |
| <url>file:///home/hmchung2/axsproject/eclipseRepo/kepler2/</url> |

|  |
| --- |
| **trunk/generic.package/product/pom.xml** |
| change product > development |

* 1. Build Code

|  |
| --- |
| **Terminal** |
| # build trunk  $ mvn –Dtest clean install  # build server  $ mvn –Danttarget=confjboss-full clean install  # or  $ ./scripts/runjboss --clean --install  # kill jboss $ ps -ef | grep hmchung2 | grep jboss $ kill -9 port |

|  |
| --- |
| **~/.profile** |
| alias kjs="kill -9 \`ps -ef | grep hmchung2 | grep jboss | grep -v grep | awk '{print \$2}'\`" |

|  |
| --- |
| **Terminal** |
| # build ISAM  $ mvn -Dtest clean install -rf :axs-ihub-template  # deploy ISAM  $ ams.sh deploy p=isam51  # or  $ ./scripts/runjboss --clean --full -m isam.5.1 |

1. IDE
   1. Webstorm

|  |
| --- |
| **Terminal** |
| # unzip  $ tar xfz WebStorm-\*.tar.gz |

1. Script
   1. Auto login Task Center

|  |
| --- |
| **login.js** |
| $(document).ready(function(){  $scope.username = 'admin';  $scope.password = 'admin1';  document.querySelector('#btnSubmit').click();  }); |