Scientific Linux

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1 Running the Nectar application

1.1 Java Runtime Environment & Development Kit

You should be already be able to compile and run Java executables using openJDK, but we prefer to install the sunJDK.

- Download and install the last JDK' RPM from SUN. **rq**: The Java Development Kit (JDK) contain the Java Runtime Environment (JRE).

```
# chmod +x jdk-6u19-linux-i586-rpm.bin
# ./jdk-6u19-linux-i586-rpm.bin

rq:  # rpm --erase jdk-1.6.0_19-fcs         (will remove it)
```

- You may want to make the SUN JDK the default one.

```
$ rpm -ql jdk-1.6.0_19-fcs | grep bin/javac    (the sun jdk)

$ which java
$ ls -l /usr/bin/java*           (link pointing to open jdk)
# cd /usr/bin
# rm -f java*                                (replacing links)
# find /usr/java/jdk1.6.0_19/bin/java* -exec ln -s {} . \;

$ /etc/alternatives/java -version                  (testing)
$ java -version
```

1.2 Hello World

```
$ cat > hello.java
class HelloWorldApp {
    public static void main(String[] args) {
        System.out.println("Hello World!"); // Display the string.
    }
}
^D

$ javac hello.java
$ java HelloWorldApp
```

1.3 Nectar application

- double click on the *nectar/dist/nectar.jar* file.
- or

```
$ cd nectar/dist
$ java -jar nectar.jar
```

2 Integrated development environment

- Download and install the last JDK from SUN (like above).

```
# chmod +x jdk-6u19-linux-i586-rpm.bin
# ./jdk-6u19-linux-i586-rpm.bin
```

- Download and install NETBEANS.

```
# yum install netbeans
```