

## F. Installing IRIS/Web Server

### Overview

This appendix gives advise about how to install the IRIS webserver. Note that IRIS/Web is a licensed product. You will need to get a license from SIGMET before IRIS/Web can run.

### F.1 Installing IRIS/Web code

If you have not already done this, install the optional IRIS/Web code from the IRIS release cdrom. This is accessed by pushing the “IRIS/Web” button in the **install** program.

Unfortunately there is a order-of-installation bug in the procedure, so after this install and before the rpm install you need to delete part of the installed files with:

```
# rm -rf /usr/share/tomcat/webapps
```

### F.2 Installing the tomcat rpms

The rpm files required for the tomcat java server are shipped with the IRIS release, type the following commands to install them:

```
# cd /var/www/html/weblook/rpms  
# rpm -Uhv *.rpm
```

By installing using the wildcard, the system will automatically find the dependencies within the rpm set. These are the files you are installing:

```
ant-1.5.2-23.i386.rpm  
ant-libs-1.5.2-23.i386.rpm  
commons-fileupload-1.0-5.i386.rpm  
jaf-20030319-1.i386.rpm  
javamail-20031006-1.i386.rpm  
junit-3.8.1-1.i386.rpm  
mod_jk2-4.1.27-8.i386.rpm  
servletapi-4.1.7-10.i386.rpm  
tomcat-4.1.27-8.i386.rpm  
tomcat-libs-4.1.27-8.i386.rpm
```

### F.3 Re-install the IRIS/Web code

Install the “IRIS/Web” again to populate the /usr/share/tomcat/webapps tree again.

## F.4 Configuring Java

You must add the java bin directory to your PATH environment variable. Do this by editing the `${IRIS_CONFIG}/profile` file. Take a look in `/usr/java` to see the directory name, and see the template in `${IRIS_ROOT}/config_template/init/profile`. When upgrading, this would be a good time to make these files the same, except for required differences. Once this is working, you can test by typing:

```
$ java -version
```

## F.5 Configuring Apache

Edit Apache's configuration file `/etc/httpd/conf/httpd.conf`. Change the line:

```
#ServerName new.host.name:80
```

to specify the correct ip-address of your host, for example:

```
ServerName 192.168.76.4:80
```

Also edit Apache's startup script `/etc/init.d/httpd` so Apache's httpd daemon will startup upon system reboot. Change:

```
# chkconfig: - 85 15
```

to read:

```
# chkconfig: 345 85 15
```

Next do the following:

```
# chkconfig --del httpd
# chkconfig --add httpd
# chkconfig --list httpd
```

Your httpd daemon should look like:

```
httpd    0:off  1:off  2:off  3:on   4:on   5:on   6:off
```

You can start it up manually with:

```
# service httpd start
```

## F.6 Testing Apache

Run mozilla. Type in your host name on the URL line. You should see the RedHat Enterprise Linux Test Page.

If you are accessing from a different machine, you will need to configure as follows for mozilla:

Edit->Preferences to popup the preferences menu. Select Advanced->Proxies. In the section "No Proxy For:", add in the remote hostname. When done select "OK".

## F.7 Configuring Tomcat4

Now edit `/etc/httpd/conf/workers2.properties`. Add to the bottom of the file:

```
[uri:/irisservlets/*]
info=Prefix mapping
```

Add the following just below that:

Next stop and restart tomcat and httpd with:

```
# service tomcat stop
# service httpd stop
# service tomcat start
# service httpd start
```

Also edit tomcat's startup script /etc/init.d/tomcat so it will startup upon system reboot. Change:

```
# chkconfig: - 85 15
```

to read:

```
# chkconfig: 345 85 15
```

Next do the following so the tomcat daemon will startup upon system reboot:

```
# chkconfig --del tomcat
# chkconfig --add tomcat
# chkconfig --list tomcat
```

You should see a list of daemons. Your tomcat daemon should look like:

```
tomcat    0:off  1:off  2:off  3:on   4:on   5:on   6:off
```

## F.8 Testing Tomcat

Run mozilla. Type in your hostname/examples on the URL line. You should see:

Directory Listing For /

Filename

images/

jsp/

servlets/

Apache Tomcat/4.1.27.8

## F.9 Configuring the default page

When someone accesses the server host via a browser, they go automatically to /var/www/html/index.html.

If the customer has an existing web page: Add a link to IRIS/Web with html code similar to the following:

```
<A HREF="http://hostname/weblook/">IRIS/Web</A>
```

If the customer does not have an existing web page: Add a redirect page to go directly to IRIS/Web as follows:

```
# cd /var/www/html/weblook  
# cp indexRedirect.html ../index.html
```

## F.10 Testing

Reboot the machine, to install the above configuration. Start IRIS, go to the RST menu and push in the “IRIS/Web” button. Then start your browser and type in the local hostname.

## F.11 Comments about browsers

SIGMET recommends using the mozilla browser supplied with RHEL. It will also work with other browsers such as Internet Explorer 6. Instructions for configuring the various browsers is contained on IRIS/Web’s Java Plugin Help Page.