## Web-Probe Installation Pre-requisites:

\*Java

\*Apache Tomcat

\*Apache Ant

==Apache Tomcat Installation==

-Download latest Apache Tomcat (http://tomcat.apache.org/)

-Tomcat 7 (Binary Core)

-Extract contents into a desired directory on file system

-go to the bin folder under the tomcat installation

-run startup.sh/startup.bat

-this will startup the tomcat server listening on port :8080

-test if this has worked by opening your browser and typing url localhost:8080

-If there is something else listening on port :8080

-you can modify what port tomcat listens to by editing the server.xml file <tomcat installation>/conf/server.xml

-change the <Connector port="8080"../> settings

-and restart tomcat.

-Once you verify that localhost:8080 is running, tomcat is good to go.

==Apache Ant==

-Download latest Apache Ant (<http://ant.apache.org/>)

-For instructions on installing apache ant follow the installation instructions from the manual: <http://ant.apache.org/manual/index.html>

==Web-Probe Installation ==

=Cloning Git Repository=

To begin the installation of the Web-Probe Application, first we must clone the source code from the github repository.

1. Create a new directory for the source code to live in.
2. Navigate to the new directory and run the following:

“git clone <https://github.com/hdporras/Web-Probe.git>”

You should now have all the source code for Web-Probe under your newly created directory.

=Creating WAR file=

Now that you have the code, you need to compile the Web-Probe source code into a WAR file (Web application ARchive file). The WAR file is used to upload the web application to the Tomcat Server. We will use Apache Ant to compile and generate the WAR file.

=Ant Build=

To generate the WAR file you will use the build.xml file that comes with the source code from git:

1. navigate to the cloned git code on your local machine.
2. Under the Web-Probe directory invoke ant with the target “build” by typing the following in your command line :

ant build

When the ant build is finished the Web-Probe.war will be generated within the same directory.

=Deploying to Tomcat=

To deploy Web-Probe on your Tomcat server, simply copy and paste the Web-Probe.war file into <your Tomcat Installation>/webapps/ . If tomcat is on, it will unpackage and deploy Web-Probe. Give it a moment to do this and then Web-Probe should be deployed to <your host>:8080/Web-Probe/

Web-Probe Installation Finished. Enjoy!