

## Metrology Xplorer 1 Application Note

### Using the METDaemon 250+ to operate as a web server for Metrology Xplorer 1

Metrology Xplorer 1 (METEX1) is a powerful high speed web application allowing users to view metrology data and run reports that will access the Fluke MET/TRACK database. METEX1 was first released in late 1999 and has proven itself to be a very reliable application. However, METEX1 requires the use of an external web server such as MicroSoft's Internet Information System (IIS) or Apache. This means that additional linkages with web servers require more configuration. As web servers have developed, so has the complexity in order to deal with new emerging applications and computer security. It can be difficult to configure some web servers, especially if there are other applications running under the same web server using separate ports. Keeping track of the ports that applications are using can be confusing.

In 2007 On Time Support released Metrology Xplorer 2 (METEX2) which provides for the look and feel of the MET/TRACK application via a web browser. Some customers would prefer to utilize a more unified approach when it comes to ports. The METDaemon has a built in web server for its applications. This allows for a very simple installation and configuration process and IIS and Apache are not required. If you have a METEX1 and METEX2 system on the same server, then you must have a separate port for each METEX application. This can be confusing to users when entering a url and using non standard ports will sometimes require the IT department to require a waiver to open a non standard port.

This application note describes the process for configuring METEX1 to use the METDaemon's built in web server. The advantage is less complexity by eliminating an external web server and our testing has indicated that additional performance may be expected. The server will have one less application to execute if there is only one web server application. This application note also assumes that the user has experience configuring METEX1 with a web server. It is not required to re-install METEX1 to use the METDaemon.

For our example, we will assume that METEX1 has already been installed using an external web server and we will move it to use the METDaemon's internal web server.

**Step 1:** Stop the existing web server service which is used for METEX1 so that it cannot start automatically.

**Step 2:** If this machine does not have METEX1 installed, install the CGI part of the application to the Program Files\On Time Support\webapps\cgi-bin directory.

If this system has an existing METEX1 install. Copy all of the METEX1 files from your current Metex1 installation ("apache\cgi-bin"?) into the webapps\cgi-bin directory.

**Step 3:** Rename "..webapps\cgi-bin\MET\_EX.exe" to "met\_ex.exe" (change to all lowercase, the metex cgi generates urls in lower case, and the web server IS case sensitive. )

**Step 4:** Open the C:\Program Files\On Time Support\METDaemon 1.0\etc\Contexts directory and rename the "cgibin.xml.off" to cgibin.xml. This will enable the METDaemon to run METEX1. Restart the METDaemon after this step.

**Step 5:** Open a browser and point it to: [http://localhost/cgi-bin/met\\_ex.exe](http://localhost/cgi-bin/met_ex.exe)

Notice there is no "webapps" in the url, the metex cgi strips this off when creating urls. If your METEX 1 worked correctly under apache/iis(ODBC datasource correct, tables installed in database), then this will work for running METEX1 under METDaemon. METEX1 will use the same port as the METDaemon.

## Configuring Themes with METEX1 when using the METDaemon

In order to get the "themes" to work correctly, a couple more steps are needed.

1. Copy/Move the files you want to use from one of the theme folders in cgi-bin. Example: if you want to use the "callab" theme, then copy all of the files from that folder, NOT the folder itself, to "..webapps\metex1\".

```
-METDaemon 1.0
--webapps
---metex1
----mx_login.css
----mx_customer.css
----etc
```

2. Open the C:\Program Files\On Time Support\METDaemon 1.0\etc\Contexts folder and rename the metex.xml.off to metex1.xml. This will allow the METDaemon to allow themes.

3. Open the METEX 1 Admin program, open "Configuration\Web Page Configuration". For each page entry in the left list, the "Style Sheet to Apply" must be changed. Simply add "webapps/metex1/" (no starting slash)to the beginning of each css file name.

Such as: "webapps/metex1/mx\_login.css", "webapps/metex1/mx\_search.css", etc.

It may be necessary to restart the METDaemon for it to automatically utilize the themes.

This concludes the configuration of METEX1 using the METDaemon.