



# S1000D IETP System Requirements

Updated: 8 October 2014

The Pratt & Whitney IETP software is a web based publication presentation package for displaying S1000D compliant technical data. The software package can be installed in two different versions, a standalone single client installation and an enterprise installation.

### ***Standalone Installation***

The standalone installation is intended for networks without application servers or for use on computers without a network connection. The standalone installation can be on desktop and laptop computers and contains all features of the enterprise installation. The requirements for the standalone version are:

#### ***Hardware Requirements***

- Minimum 1 GHz CPU
- Minimum 1 GB RAM
- Approximately 5GB hard drive space

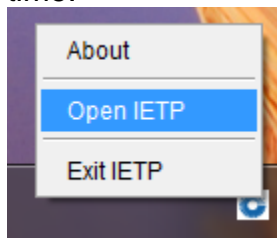
#### ***Software Requirements***

- A modern web browser (Internet Explorer 8+, Firefox, Chrome, Safari)
- Windows operating system XP SP3 or newer
- Java 1.6 or newer

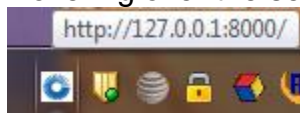
#### ***\*Note\****

*The standalone installation utilizes Jetty webserver to serve the data and the search engine. This requires letting this service run on the client on the 127.0.0.1 network device. This does not allow other machines to connect to the service. Some local firewalls prevent even this type of service to run so administrator privilege might be required to open a connection on this device. Some browsers prevent access to this service if their proxy configuration directs the browser to the proxy for all IP addresses. Contact your local administrator to allow 127.0.0.1 to bypass the proxy.*

The standalone version can be launched by double clicking the file start.jar. On Windows this will add an icon to the service tray and launch the default browser on the address of the local service. Right-clicking on the icon in the service tray will show a menu, shown below. The IETP service can be exited from this menu, or a new browser window opened on the service. Multiple IETP services can be launched at the same time.



Hovering over the service icon will show a popup with the web address of the service:



The IETP folder structure can be copied to a network location or burned to a DVD. The IETP service can be launched directly from a DVD.

### ***Viewing without running a service***

If Java is not available or for any other reason it is not possible to run the 'start.jar' executable, then the manual can still be used by navigating the folder hierarchy and double-clicking on the \ietp\<PMC>\index.html page to launch the main navigation page of the IETP. When using the IETP this way there will be no search functionality.

It is also possible to host the IETP content from a webserver, such as IIS or Apache httpd and not use any of the Java code that implements search. No search capabilities will be available and will return HTTP 404 file not found error. For example, in the case of Apache httpd, copy the folder \ietp\ from the DVD to the Apache\htdocs folder and the webserver.

### ***Enterprise Installation***

The enterprise installation is intended for large networks that will benefit from a client/server configuration of the software. This offers a convenient single place to update the technical data and the IETP software when a new version is released. The enterprise installation requires an application server and a web server. The technical data and associated graphics are served via a web server and the search engine for the software requires an application server. The requirements for the enterprise installation are:

#### ***Client Requirements***

- Minimum 1 GHz CPU
- Minimum 1 GB RAM
- Approximately 5 GB hard drive space
- A modern web browser (Internet Explorer 8+, Firefox, Chrome, Safari)

#### ***Application Server Requirements***

The IETP uses Solr (<http://lucene.apache.org/solr/>) as the application's search engine. Solr requires a servlet container to run the package (Tomcat, Jetty, Resin, Weblogic, WebSphere). The standalone version of the software uses Jetty, which is the only configuration supported by P&W. It is configured to only allow connections from the local host. The configuration can be changed to allow connections from other computers on the local network as follows:

- Open the file "start.ini" in a text editor
- Add the line host=<IP address of host> where <IP address of host> is the internet protocol address of the machine running the IETP service on the network.

*host = 192.168.1.1*

- Save the file and restart the service by running start.jar

You should now be able to connect to the IETP from any machine on the local network using the address of the host.

Tomcat is an excellent choice since both Solr and Tomcat are maintained by the Apache Software Foundation. Directions for configuring Solr with Tomcat can be found on the Apache website (<http://wiki.apache.org/solr/SolrTomcat>). Hardware requirements for the application server are based on the server platform that is used, check the product documentation and with your local web administrators. P&W is not responsible for supporting Tomcat or any other web application server other than what is delivered on the DVD.

#### *Web Server Requirements*

The IETP uses a web server for serving the HTML files, graphics files, and other static content for the software. Any modern web server can be used (Apache httpd, IIS, Jetty, Nginx). The standalone application uses Jetty for the default web server but alternatives may be used for an enterprise installation. Hardware requirements for the web server are based on the server platform that is used, check the product documentation and with your local web administrators.

#### *URL Structure Requirements*

The IETP software requires a specific URL structure to operate correctly. Redirects, reverse proxies, and other URL management techniques can be employed if the services cannot be setup at these specific URLs based on company policies. The services must be able to locate each other by these URLs though. The URLs are:

Solr URL: <http://example.com/solr/MODEL/select>

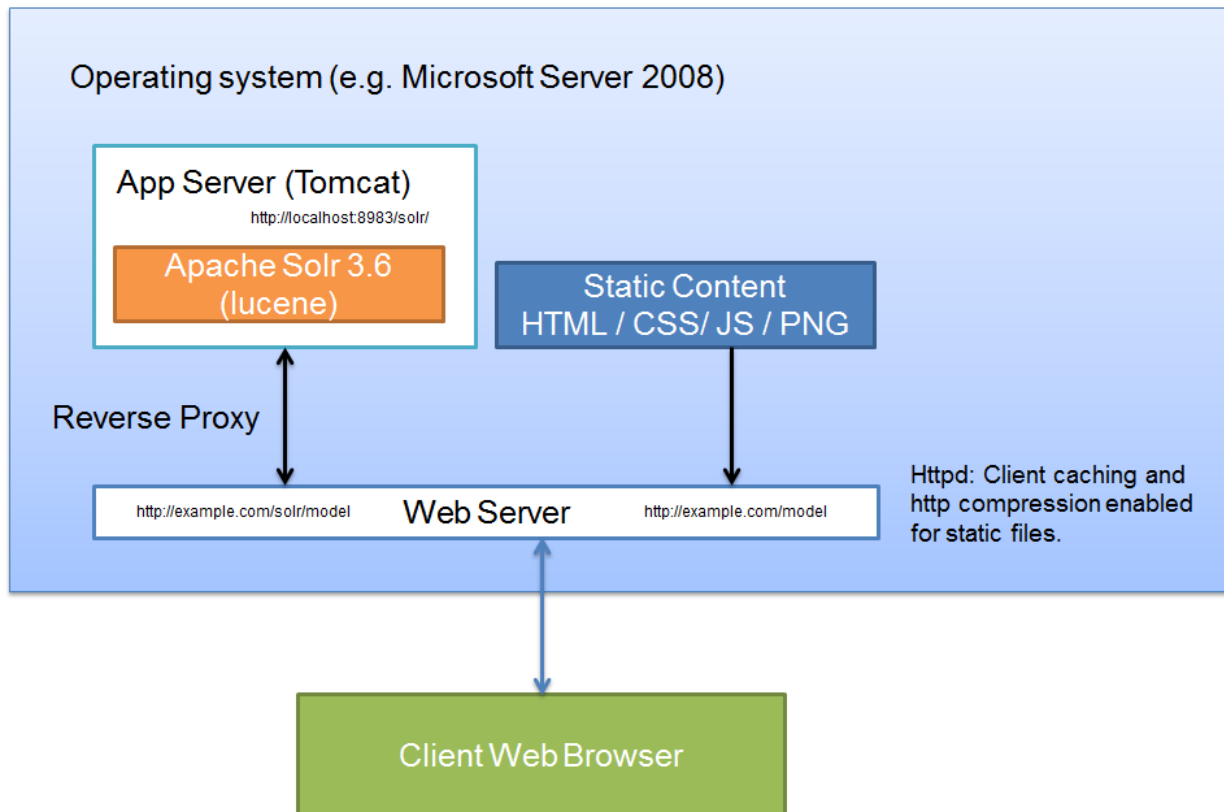
Webserver URL: <http://example.com/MODEL/>

#### *Java Requirements*

- Java 1.6 or greater is required on the server

Below is a diagram showing the configuration of the IETP when the application service and web service are both running on the same server.

## Simple-IETP: Production Configuration



## Frequently Asked Questions

Q. I run the start.jar and the browser opens but it says it cannot connect to the address. Why can't I see the IETP?

A. If the address in the browser address bar is not 127.0.0.1 it means your browser proxy configuration is sending all addresses to the proxy. You will need to contact your local administrator to change your browser proxy configuration to allow 127.0.0.1 to bypass the proxy.

Q. How do I configure Tomcat?

A. You will need to contact your own IT group to help you setup an enterprise configuration if you want to use anything other than the software included on the DVD.

Q. How do I allow other computers to connect to the IETP?

A. Edit the start.ini file in the root folder of the IETP and add the following lines:

```
host=127.0.0.1  
port=8080
```

Change the host value to the internet protocol (IP) address of the machine you are launching the IETP service from. Change the port number to any available port number on your machine. Other users will be able to access the IETP using the URL

http://<your-host-name>:<port>/<pubcode> for example

http://www.example.com:8080/V2500-77445-A4406-00/

Q. How do I install the IETP on my computer?

A. There is no installer. Copy all the contents of the DVD to a folder on your computer.

Q. How do I upgrade my IETP using the latest DVD?

A. Copy all the contents of the DVD to a new folder on your computer, then redirect users to the new location (e.g. use a Windows shortcut to the new folder).