

Debugging HTTPS Communication

You can debug the HTTPS communication with the Bridge. Turn on SSL debugging as follows:

1. Stop the proxy service as described in [Starting and Stopping the Proxy Service](#).
2. Go to the **Configuration** tab of the **Proxy Services** (see [Configuring the Proxy](#)).
3. Append the following lines:

```
<IfModule mod_ssl.c>
    LogLevel debug
</IfModule>
```

4. Click **Save and Check Syntax**
5. Start the proxy service as described in [Starting and Stopping the Proxy Service](#).

Setting the log level to debug will write a lot of info from SSL (as well as from other places) into the error.log.

Further Investigations

Further investigations can be done with network sniffers like Wireshark used in combination with the openssl utility. The utility is provided in the installed bin directory.

For example, on windows using the default installation path do the following:

```
cd c:\E2E_BRIDGE_PROG\bin
openssl-win32-64.exe s_client -debug -connect <host name>:<port>
```

An interactive shell opens giving you lots of connection information regarding the initial SSL handshake. To run a request type for example the following line (having deployed the standard example before):

```
GET /localhost/HttpsProxyExample/HttpsProxyServiceArtifact/Services
/httpProxyService/HelloWorldPort/HttpsProxyPort
```

Related Pages:

- [Starting and Stopping the Proxy Service](#)
- [Configuring the Proxy](#)