

Troubleshooting SOA Gateway Server issues

- **Cannot load mod_xmiddle.so into server: failed to map segment from shared object: Permission denied.**

This error can occur on Red Hat when SELinux is enabled. To disable it do the following:

- As root, run system-config-securitylevel
 - Select SELinux Tab.
 - In the "Modify SELinux Policy" box, expand "HTTPD Service"
 - Tick the box "Disable SELinux protection for httpd daemon"
 - Click [OK]
 - Click [YES]
- **API module structure 'xmiddle_module' in file XXX is garbled - perhaps this is not an Apache module DSO?**

Ensure that you have chosen the correct installation for your system. For example, this error can occur when SLES 9 files are installed on a SLES 10.

Ensure that the version of Apache you are installing on is either v2.0 or v2.2. Other versions are not supported.

- **Failed to bind to <port number>, port already in use**

The port specified on the Listen directive in Apache's configuration file is already being used by another application. Change this to a port number not being used.

- **No error on command line, but Apache is not responding.**

Check Apache's error_log file for error messages from the SOA Gateway server.

The default location of the Apache error_log is `[SOAG_INST]/apache2/logs/error_log` replacing `[SOAG_INST]` with the location you installed SOA Gateway in.

- **A SOAP Fault is generated**

Check the associated message in the `<soap:faultString>` element for error explanation. There may also be further messages available in the Apache's error_log.

The default location of the Apache error_log is `[SOAG_INST]/apache2/logs/error_log` replacing `[SOAG_INST]` with the location you installed SOA Gateway in.

- **Abend S0C1 in module SAFASG**

When the SOA Gateway server is running with *Security Level = User or Password* and is protected by Adabas SAF this abend indicates that SAFASG has not been linked correctly, please revisit the Security Section and relink SAFASG accordingly.

- **Command 'LF' for dbid=212, fnr=9, Rsp 17 (Invalid file number)**

This error indicates you are accessing a file (number 9) that does not exist on the Adabas database (ID=212). For example, you may be running a installation verification test, and the standard demo files ("Employees" and "Vehicles") delivered with Adabas have not been installed, or have not been installed in the standard locations.

- **Unicode char 0xF1 is not representable in encoding ASCII.**

See information about i18n [here](#)

- **PRNG still contains insufficient entropy! Failed to generate temporary 512 bit RSA private key. Configuration Failed**

Ensure the 2 following directives are enabled in your Apache configuration file (httpd.conf)

```
SSLRandomSeed startup builtin
SSLRandomSeed connect builtin
```

If running on z/OS or z/VSE ensure the server is *not* active when submitting jobs which copy content to the SOA Gateway file system.