Tracing EntireX Components under z/VSE

This chapter provides trace information for the following components:

- Tracing EntireX Broker
- Tracing Broker Stubs
- Activating Tracing for the RPC Server

Tracing EntireX Broker

To switch on tracing

- Set the attribute `TRACE-LEVEL` in the broker attribute file
  - for minimal trace output to "1"
  - for detailed trace output to "2"
  - for full trace output to "3"

  Example:

  ```
  TRACE-LEVEL=2
  ```

To switch off tracing

- Set the attribute `TRACE-LEVEL` in the broker attribute file to 0:

  ```
  TRACE-LEVEL=0
  ```

  Or:
  Omit the `TRACE-LEVEL` attribute.

Tracing Broker Stubs

The broker stubs provide an option for writing trace files. Trace output is only available for transport method TCP.

To switch on tracing for the broker stub

- Before starting the client application, set the environment variable `STUBLOG` in your application job control or CICS startup:

Trace Value	Trace Level	Description
0	NONE	No tracing.
1	STANDARD	Traces initialization, errors, and all ACI request/reply strings.
2	ADVANCED	Used primarily by system engineers, traces everything from level 1 and provides additional information - for example the Broker ACI control block - as well as transport information.
3	SUPPORT	This is full tracing through the stub, including detailed traces of control blocks, message information, etc.

Example:

```
//SETPARM STUBLOG=2
```

If the trace level is greater than 1, unencrypted contents of the send/receive buffers may be exposed in the trace.

Trace output is written to SYSOUT.

Remember to switch off tracing to prevent trace files from filling up your disk.

To switch off tracing for the broker stub

- Set the environment variable STUBLOG to NONE or remove the SETPARM statement.

Activating Tracing for the RPC Server

To switch on tracing for the RPC server

- Set the parameter TRACELEVEL in the configuration file RPCPARM in sublibrary EXP960.
  Example:

  ```
  TRACELEVEL=SUPPORT
  ```

  To evaluate the return codes, see *Error Messages and Codes*.