

Client and Server Examples for z/OS CICS

This chapter describes the examples provided for the PL/I Wrapper for CICS. It covers the following topics:

- Basic RPC Client Example - CALC
- Basic RPC Server Example - CALC

All examples here can be found in the EntireX *examples/RPC* directory under UNIX and Windows.

Basic RPC Client Example - CALC

For CICS on operating system z/OS, the CALCCLT client is built with a PL/I Wrapper interface type "CICS with call interfaces". For this purpose, the PL/I Wrapper target platform is set to "Batch for z/OS" ("Batch" because of the call interface).

Please note there is an additional interface type for CICS, "CICS for z/OS", see *Target Platform* under *Generating PL/I Source Files from Software AG IDL Files*. An example of this is not yet available.

Name	Type	Data Set	Description	Notes
CALC	PL/I source code	EXP970.QCPL	Client interface object for IDL program CALC.	1
CALCCLT	PL/I source code	EXP970.QCPL	A client application calling the remote procedure (RPC service) CALC, with associated example.idl.	2
CALCDFH	CICS CSD	EXP970.QCPL	CSD Definition for RPC client CALCCLT.	
CALCIBM	JCL	EXP970.QCPL	Job (JCL) to build the RPC client CALCCLT.	3
CALCMAP		EXP970.QCPL	CICS Map definition for RPC clients CALCCLT.	
CALC	PL/I copybook	EXP970.QIPL	Client interface object copybook for IDL program CALC.	1
CALCMAP	PL/I copybook	EXP970.QIPL	Description of input and output fields of map CALCMAP.	
EXAMPLE	PL/I copybook	EXP970.QIPL	Client interface object entry points.	1
RPCPPS	PL/I copybook	EXP970.QIPL	PL/I Wrapper Preprocessor Switches and Settings.	

Notes:

1. Client interface objects are delivered with the z/OS installation, but not delivered under UNIX or Windows. Use the EntireX Workbench to generate the client interface objects under UNIX or Windows.
2. Application built according to the client-side build instructions under *Using the PL/I Wrapper for CICS with Call Interfaces*.
3. The JCL must be adapted according to your needs.

For more information see the readme file in EntireX directory *examples/RPC/basic/example/PLIClient/zosCICS* under UNIX or Windows.

Basic RPC Server Example - CALC

For CICS on operating system z/OS, the CALC server is built with PL/I Wrapper target platform setting "CICS for z/OS". For more information on target platforms, see *Target Platform* under *Generating PL/I Source Files from Software AG IDL Files*.

Name	Type	Data Set	Description	Notes
CALC	PL/I source code	EXP970.QVPL	A server application providing the remote procedure CALC (RPC service), with associated <code>example.idl</code> .	1
CALCDFH	CICS CSD	EXP970.QVPL	CSD Definition for remote procedure CALC (RPC service).	
CALCIBM	JCL	EXP970.QVPL	Job (JCL) to build the remote procedure CALC (RPC service).	2

Notes:

1. Application built according to the server-side build instructions under *Using the PL/I Wrapper for CICS*.
2. The JCL must be adapted according to your needs.

For more information see the readme file in EntireX directory *examples/RPC/basic/example/PLIServer/zosCICS* under UNIX or Windows.