

Client and Server Examples for z/OS Batch

This chapter describes the examples provided for the COBOL Wrapper for z/OS Batch. All examples here can be found in the EntireX directory *examples/RPC* under UNIX and Windows. They are also available for z/OS, if this is installed. See *Extract the EntireX RPC Examples from their Container Data Set*. This chapter covers the following topics:

- Basic RPC Client Examples - CALC, SQUARE
- Basic RPC Server Examples - CALC, SQUARE
- Reliable RPC Client Example - SENDMAIL
- Reliable RPC Server Example - SENDMAIL

Basic RPC Client Examples - CALC, SQUARE

This section covers the following examples:

- CALC Client
- SQUARE Client

CALC Client

For z/OS Batch, the CALC client is built with COBOL Wrapper "Batch with standard linkage calling convention" interface type. See *Client Interface Types* for more information.

Name	Type	Data Set	Description	Notes
CALC	COBOL source code	EXP970.CCCO	Client interface object for IDL program CALC.	1
CALCCLT	COBOL source code	EXP970.CCCO	A client application calling the remote procedure (RPC service) CALC, with associated <i>example.idl</i> .	2
CALCIGY	JCL	EXP970.CCCO	Job (JCL) to build the RPC client CALCCLT.	3
CALCRUN	JCL	EXP970.CCCO	Job (JCL) to execute the RPC client CALCCLT.	3
CALC	COBOL copybook	EXP970.CICO	Client interface object copybook for IDL program CALC.	1

Notes:

1. Under z/OS, client interface objects are delivered with the installation; under UNIX and Windows, generate these objects with the EntireX Workbench.
2. Application built according to the client-side build instructions, see *Using the COBOL Wrapper for Batch (z/OS, BS2000/OSD, z/VSE and IBM i)*.
3. Adapt the JCL to your needs.

For more information refer to the readme file in EntireX directory *examples/RPC/basic/example/CobolClient/zosBatch* under UNIX or Windows.

SQUARE Client

For batch under operating system z/OS, the SQUARE client is built with COBOL Wrapper "Batch with standard linkage calling convention" interface type. See *Client Interface Types* for more information.

Name	Type	Data Set	Description	Notes
SQRECLT	COBOL source code	EXP970.CCCO	A client application calling the remote procedure (RPC service) SQUARE, with associated example.idl.	1
SQREIGY	JCL	EXP970.CCCO	Job (JCL) to build the RPC client SQRECLT.	2
SQRERUN	JCL	EXP970.CCCO	Job (JCL) to execute the RPC client SQRECLT.	2
SQUARE	COBOL source code	EXP970.CCCO	Client interface object for IDL program SQUARE.	3
SQUARE	COBOL copybook	EXP970.CICO	Client interface object copybook for IDL program SQUARE.	3

Notes:

1. Application built according to the client-side build instructions, see *Using the COBOL Wrapper for Batch (z/OS, BS2000/OSD, z/VSE and IBM i)*.
2. Adapt the JCL to your needs.
3. Under z/OS, client interface objects are delivered with the installation; under UNIX and Windows, generate these objects with the EntireX Workbench.

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

Basic RPC Server Examples - CALC, SQUARE

This section covers the following examples:

- CALC Server
- SQUARE Server

CALC Server

For batch under operating system z/OS, the CALC server is built with COBOL Wrapper "Batch with standard linkage calling convention" interface type. See *Server Interface Types* for more information.

Name	Type	Data Set	Description	Notes
CALC	COBOL source code	EXP970.CVCO	A server application providing the remote procedure CALC (RPC service), with associated <i>example.idl</i> .	1
CALCIGY	JCL	EXP970.CVCO	Job (JCL) to build the remote procedure CALC (RPC service).	2

Notes:

1. Application built according to the server-side build instructions, see *Using the COBOL Wrapper for Batch (z/OS, BS2000/OSD, z/VSE and IBM i)*.
2. Adapt the JCL to your needs.

For more information, refer to the readme file in EntireX directory *examples/RPC/basic/example/CobolServer/zosBatch* under UNIX or Windows.

SQUARE Server

For batch on operating system z/OS, the SQUARE server is built with COBOL Wrapper "Batch with standard linkage calling convention" interface type. See *Client Interface Types* for more information.

Name	Type	Data Set	Description	Notes
SQREIGY	JCL	EXP970.CVCO	Job (JCL) to build the remote procedure SQUARE (RPC service)	2
SQUARE	COBOL source code	EXP970.CVCO	a server application providing the remote procedure SQUARE (RPC service), with associated <i>example.idl</i>	1

Notes:

1. Application built according to the server-side build instructions, see *Using the COBOL Wrapper for Batch (z/OS, BS2000/OSD, z/VSE and IBM i)*.
2. Adapt the JCL to your needs.

For more information, refer to the readme file in EntireX directory *examples/RPC/basic/example/CobolServer/zosBatch* under UNIX or Windows.

Reliable RPC Client Example - SENDMAIL

For batch on operating system z/OS, the SENDMAIL client is built with COBOL Wrapper "Batch with standard linkage calling convention" interface type. See *Client Interface Types* for more information.

Name	Type	Data Set	Description	Notes
SENDCLT	COBOL source code	EXP970.CCCO	A client application calling the reliable remote procedure (RPC service), SENDMAIL, with associated <i>mail.idl</i> .	1
SENDIGY	JCL	EXP970.CCCO	Job (JCL) to build the RPC client SENDCLT.	2
SENDMAIL	COBOL source code	EXP970.CCCO	Client interface object for IDL program SENDMAIL.	3
SENDRUN	JCL	EXP970.CCCO	Job (JCL) to execute the RPC client SENDCLT.	2
SENDMAIL	COBOL copybook	EXP970.CICO	Client interface object copybook for IDL program SENDMAIL.	3

Notes:

1. Application built according to the client-side build instructions, see *Using the COBOL Wrapper for Batch (z/OS, BS2000/OSD, z/VSE and IBM i)*. See also *Reliable RPC for COBOL Wrapper*.
2. Adapt the JCL to your needs.
3. Under z/OS, client interface objects are delivered with the installation; under UNIX and Windows, generate these objects with the EntireX Workbench.

For more information, refer to the readme file in EntireX directory *examples/RPC/reliable/CobolClient/zosBatch* under UNIX or Windows.

Reliable RPC Server Example - SENDMAIL

For batch on operating system z/OS, the SENDMAIL server is built with COBOL Wrapper "Batch with standard linkage calling convention" interface type. See *Client Interface Types* for more information.

Name	Type	Data Set	Description	Notes
SENDIGY	JCL	EXP970.CVCO	Job (JCL) to build the remote procedure SENDMAIL(RPC service).	1
SENDMAIL	COBOL source code	EXP970.CVCO	A server application providing the reliable remote procedure (RPC service) SENDMAIL, with associated <i>mail.idl</i> .	2

Notes:

1. Adapt the JCL to your needs.
2. Application built according to the server-side build instructions, see *Using the COBOL Wrapper for Batch (z/OS, BS2000/OSD, z/VSE and IBM i)*. See also *Reliable RPC for COBOL Wrapper*.

For more information, refer to the readme file in EntireX directory *examples/RPC/reliable/CobolServer/zosBatch* under UNIX or Windows.