

# Server Examples for IBM i

The CL sample CRT\_C\_SRV displayed below is provided in the library EXAMPLE of the IBM i installation kit. It demonstrates how to:

- compile the interface object (for example DEXAMPLE in our sample),
- compile a server (for example EXAMPLE in our sample) and
- bind the RPC server and the broker stub (EXA) to both of them

```

PGM
DCL          VAR(&SRCFILE) TYPE(*CHAR) LEN(10) VALUE(QCSRC)
/*-----*/
MONMSG      MSGID(CZM0613 CPF4102) EXEC(GOTO CMDLBL(ERRXT))

CRTCMOD     MODULE(DEXAMPLE) +
            SRCFILE(*CURLIB/&SRCFILE) +
            OUTPUT(*PRINT) OPTION(*SHOWINC *EXPMAC) +
            DBGVIEW(*ALL) SYSIFCOPT(*NOIFSIO)
CRTSRVPGM   SRVPGM(DEXAMPLE) MODULE(*CURLIB/DEXAMPLE) +
            EXPORT(*ALL) ACTGRP(*CALLER) +
            TEXT('C Server Generated Stub') +
            BNDSRVPGM(*LIBL/EXPRUNTIME EXA) +
            OPTION(*GEN *WARN *NODUPVAR *RSLVREF +
            *NODUPPROC) DETAIL(*EXTENDED) +
            ALWUPD(*YES) ALWLIBUPD(*YES) ALWRINZ(*YES)

CRTCMOD     MODULE(EXAMPLE) +
            SRCFILE(*CURLIB/&SRCFILE) +
            OUTPUT(*PRINT) OPTION(*SHOWINC *EXPMAC) +
            DBGVIEW(*ALL) SYSIFCOPT(*NOIFSIO)

CRTSRVPGM   SRVPGM(EXAMPLE) MODULE(*CURLIB/EXAMPLE) +
            EXPORT(*ALL) ACTGRP(*CALLER) +
            TEXT('C Server Implementation File') +
            BNDSRVPGM(*LIBL/EXPRUNTIME EXA) +
            OPTION(*GEN *WARN *NODUPVAR *RSLVREF +
            *NODUPPROC) DETAIL(*EXTENDED) +
            ALWUPD(*YES) ALWLIBUPD(*YES) ALWRINZ(*YES)
/*-----*/
GOTO        CMDLBL(DONE)
ERRXT:      SNDPGMMSG MSG('Compile failed')
DONE:      ENDPGM

```