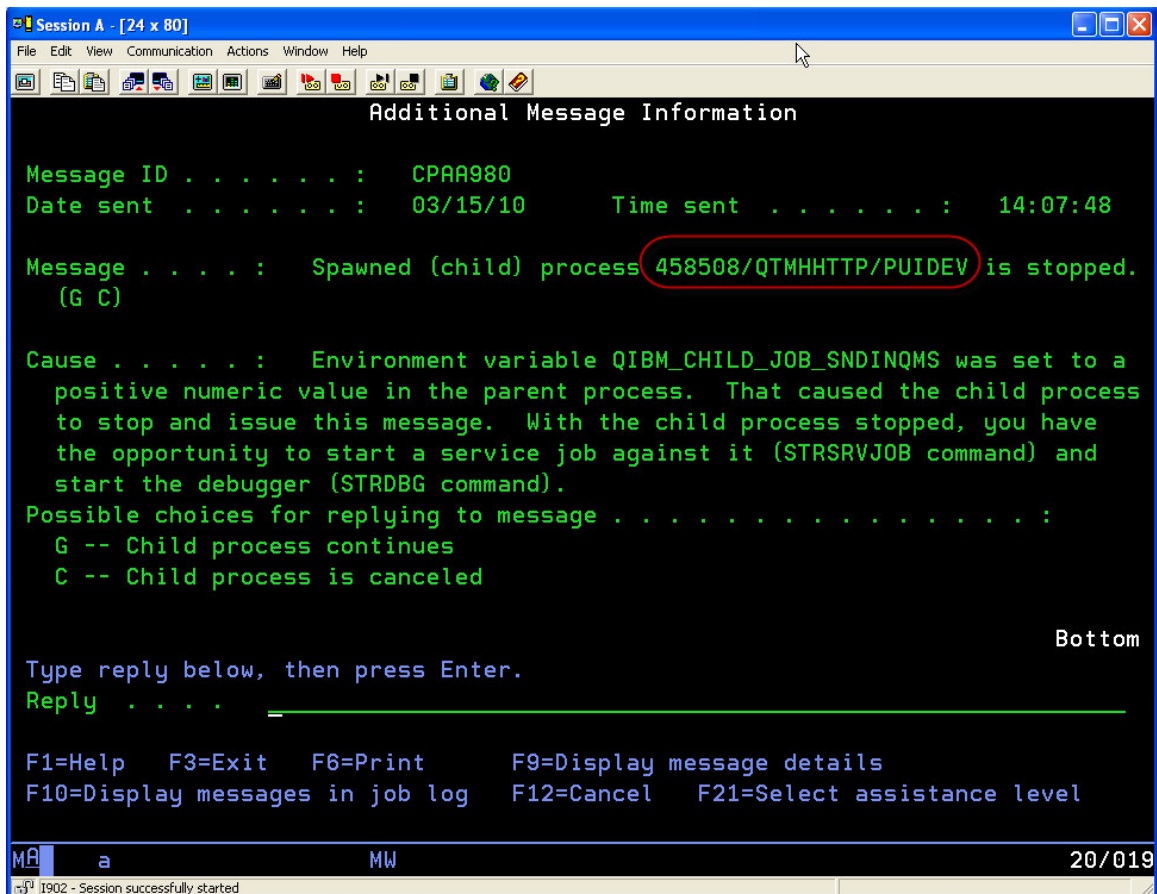# Debug ProfoundUI Web applications with STRDBG

1. In Client Access, make sure service job and debug are ended.
   - **ENDSRVJOB**
   - **ENDDBG**

2. Start a Profound UI sign-in session or anonymous session using the debug flag
   - web session: http://MyIBMi:8080/profoundui/start?debug=1
   - or
   - Anonymously
     http://MyIBMi:8080/profoundui/start?pgm=MYLIB/MYPGM&debug=1

   (You may want to bookmark this in IE to streamline to process)

3. This will force a message waiting on the job.   Find the job with:
    WRKACTJOB JOB(PROFOUNDUI)

4. Take Option 7 on this job and you will get the following message screen.
   Copy the job details shown in red. **Do not cancel the job**.

5. Enter STRSRVJOB then paste the job details.
   Eg **STRSRVJOB 458508/QTMHHTTP/PUIDEV**

6. Start the debugger : **STRDBG** on your program and set breakpoints as normal.

7. On the message screen, enter G to continue.

```
Session A - [24 x 80]
File  Edit  View  Communication  Actions  Window  Help
                        Additional Message Information

 Message ID . . . . . . . :    CPAA980
 Date sent  . . . . . . . :    03/15/10      Time sent  . . . . . . . :    14:07:48

 Message . . . . :    Spawned (child) process 458508/QTMHHTTP/PUIDEV is stopped.
   (G C)

 Cause . . . . . . :    Environment variable QIBM_CHILD_JOB_SNDINQMS was set to a
   positive numeric value in the parent process.  That caused the child process
   to stop and issue this message.  With the child process stopped, you have
   the opportunity to start a service job against it (STRSRVJOB command) and
   start the debugger (STRDBG command).
 Possible choices for replying to message . . . . . . . . . . . . . . . :
   G -- Child process continues
   C -- Child process is canceled

                                                                      Bottom
 Type reply below, then press Enter.
 Reply  . . . . .  G

 F1=Help    F3=Exit    F6=Print      F9=Display message details
 F10=Display messages in job log    F12=Cancel    F21=Select assistance level

MA      a                   MW                    A                     20/020
  I902 - Session successfully started
```
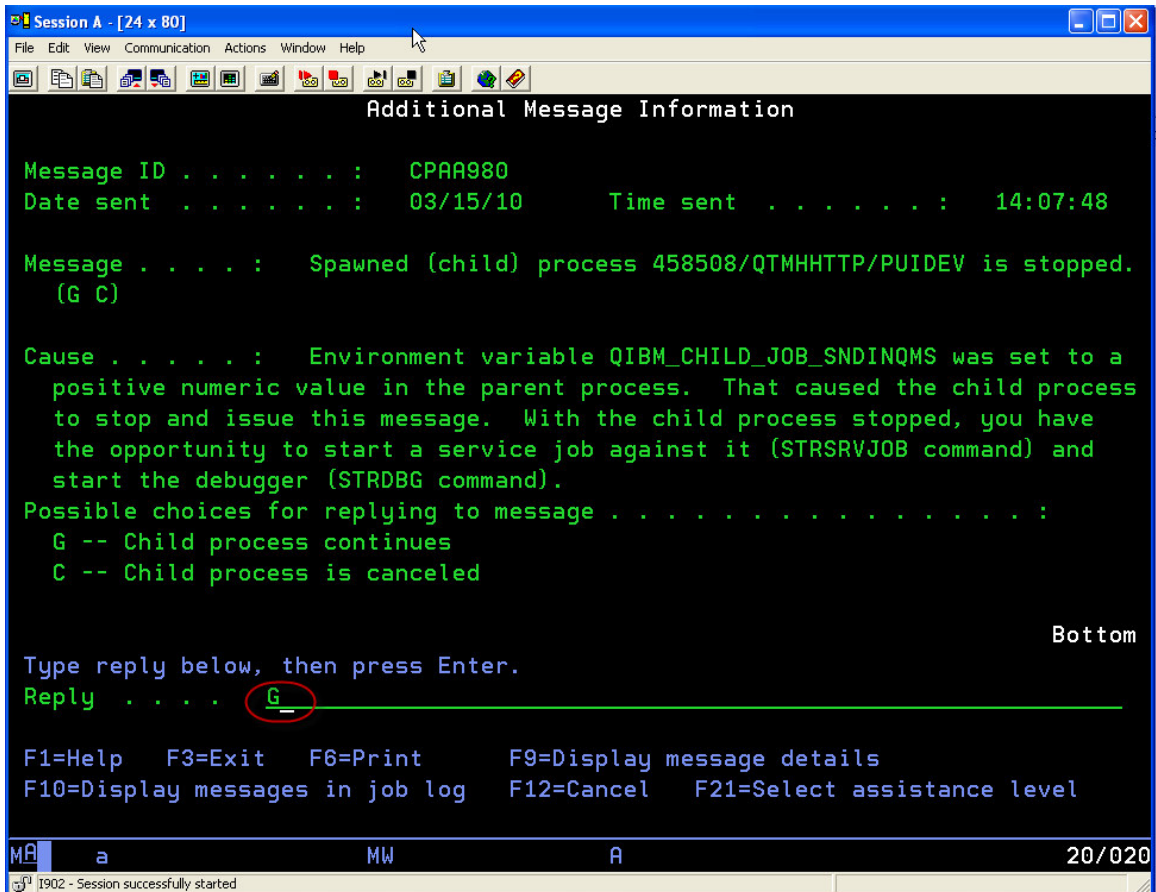
8. Debug you program as normal.

9. To end debug:
   - **ENDDBG**
   - **ENDSRVJOB**