

# IBMi Troubleshooting - Check the State of the Zend Server processes

## Issue

Check the state of the Zend Server Subsystem and Component jobs, control runaway Apache Processes.

## Environment

Zend Server for IBM i or higher, running supported IBM i OS versions. (**For versions versions 9.1.x, 2018.0.x, 2019.0.x replace all instances of ZENDPHP74 with ZENDPHP7, for versions 6 - 8.5.x, replace all instances of ZENDPHP74 with ZENDSVR6**)

## Resolution

Check the state of the Zend server environment, control Zend Server active processes, change job definitions and end or start a process. (Apache instances, Zend Server Subsystem, Zend Components)

WRKSBSJOB ZENPHP74 and QHTTSPVR

A suggested CLP to verify the ZEND jobs running in QHTTSPVR subsystem under the user profile QTMHHTTP and end the jobs immediately:

```
PGM

/* Create the file before compiling the CLP */
/* CRTPF FILE(QTEMP/SBSJ) RCDLEN(132) */

      DCL          VAR(&JOBNAME) TYPE(*CHAR) LEN(10)
      DCL          VAR(&JOBUSER) TYPE(*CHAR) LEN(10)
      DCL          VAR(&JOBNBR) TYPE(*CHAR) LEN(10)

      DCLF         FILE(QGPL/SBSJ)
      MONMSG       MSGID(CPF0000)
      OVRPRTF FILE(QPDSPSBJ) HOLD(*YES)

WRKUSRJOB USER(QTMHHTTP) STATUS(*ACTIVE) OUTPUT(*PRINT)
  CLRPFM FILE(QGPL/SBSJ)
  CPYSPLF FILE(QPDSPSBJ) TOFILE(QGPL/SBSJ) SPLNBR(*LAST)
  DLTSPFL FILE(QPDSPSBJ) SPLNBR(*LAST)
  DLTOVR FILE(*ALL)

/* READ DATABASE FILE */
  OVRDBF FILE(SBSJ) TOFILE(QGPL/SBSJ)
LOOP RCVF
MONMSG MSGID(CPF0864) EXEC(GOTO CMDLBL(FIN))

IF      COND(%SST(&SBSJ 4 8) *EQ 'ZENDPHP7') THEN(DO)
  CHGVAR VAR(&JOBNAME) VALUE(%SST(&SBSJ 4 8))
  CHGVAR VAR(&JOBUSER) VALUE(%SST(&SBSJ 17 8))
  CHGVAR VAR(&JOBNBR) VALUE(%SST(&SBSJ 30 7))
  CHGDTAARA DTAARA(QGPL/ZSUPSTS (1 8)) VALUE(&JOBNAME)
  CHGDTAARA DTAARA(QGPL/ZSUPSTS (12 8)) VALUE(&JOBUSER)
  CHGDTAARA DTAARA(QGPL/ZSUPSTS (23 8)) VALUE(&JOBNBR)
  ENDJOB JOB(&JOBNBR/&JOBUSER/&JOBNAME) OPTION(*IMMED)
GOTO CMDLBL(FIN)
ENDDO
GOTO CMDLBL(LOOP)

FIN: ENDPGM
```