

Reset Zend Server for IBM i

Issue

The Zend Server reset stops and restarts both the Zend Server subsystem and the ZENDPHP74 (ZENDPHP7 for Zend Server 9.1.x - 2019.x or ZENDSVR6 for Zend Server 8.5.x) Apache instance, as well as cleans up some IPC objects and other things.

This is a good procedure to perform if any Zend Server components are producing unexpected results.

Environment

Zend Server for IBM i version 6 or higher, running on any supported version of IBM i.

Resolution

Log into a 5250 session as QSECOFR. (*The user **MUST** be QSECOFR to get UID zero, no other user has this UID, even a *SECOFR class user will **not** have it*). From the command line:

For version 2020.0.x and higher

```
go zendphp74/zsmaint
```

Use option "41. Reset Zend Server environment".

For version 9.1.x, 2018.0.x and 2019.0.x

```
go zendphp7/zsmaint
```

Use option "41. Reset Zend Server environment".

For version 6 - 8.5.x:

```
go zendsvr6/zsmaint
```

Use option "41. Reset Zend Server environment".

For version 5

```
go zendsvr/zsmenu
```

Use option "9. Reset Zend Server environment".

Wait for all of these messages to display:

```
Stopping Zend Server jobs
Clearing shared memory ...
Zend Server environment is reset
All Zend Server jobs are restarted
```

Use F3 to exit. After the reset, check to see that all Zend Server jobs have restarted. This article can help you with that:

[Verify Zend Server for IBM i has started successfully](#)



Reset Zend Server environment periodically using a CL Program

If you want to automate a process to periodically do the Reset, you can use this CL program in a scheduled job. You will need to stop the Zend Server Environment before running this procedure. If you are using Zend Server 9.1.x - 2019.x, Please REPLACE all instances of **zendphp74** with **zendphp7**. If you are using Zend Server 6 - 8.5.x, Please REPLACE all instances of **zendphp74** with **zendsvr6**

For Zend Server 202.x and higher

```
ENDSBS ZENDPHP74/ZENDPHP74
ENDTCPSVR SERVER(*HTTP) HTTPSVR(ZENDPHP74)
MONMSG MSGID(CPF0000)
```

Reset Zend Server environment:

PGM

```
DCL VAR(&CMDSHR) TYPE(*CHAR) LEN(50)
DCL VAR(&NULL) TYPE(*CHAR) LEN(1) VALUE(X'00')
DCL VAR(&HOMEDIR) TYPE(*CHAR) LEN(50) +
VALUE('/usr/local/zendphp74')
```

```
/* Part 1 - clean up zombie Apache jobs */
CHGVAR VAR(&CMDSHR) VALUE('ps -ef | grep ' *CAT +
'/zendphp74/bin/php-cgi ' *CAT ' | awk '{print $2}' | +
xargs kill -9' || &NULL)
```

```
CALL PGM(QP2SHELL) PARM('/QOpenSys/usr/bin/sh' +
&CMDSHR)
MONMSG MSGID(CPF0000)
/* Part 2 - Clearing shared memory */
```

```
/*parameters : script, tofile, look for string, status */
CHGVAR VAR(&CMDSHR) VALUE(&HOMEDIR *TCAT +
'/bin/i5ipcrm_script.sh' || &NULL)
CALL PGM(QP2SHELL) PARM('/QOpenSys/usr/bin/sh' +
&CMDSHR)
MONMSG MSGID(CPF0000)
```

```
CHGVAR VAR(&CMDSHR) VALUE(&HOMEDIR *TCAT +
'/bin/clean_tmpfiles.sh' || &NULL)
```

```
CALL PGM(QP2SHELL) PARM('/QOpenSys/usr/bin/sh' +
&CMDSHR)
MONMSG MSGID(CPF0000)
```

ENDPGM