

Commands to start and stop Zend Server for IBM i in a batch program or from the command line

Issue

Zend Server for IBM i installation provides an autostart job entry in subsystem QSYSWRK to automatically start Zend Server at system start up, and menu options to allow for manually stopping and starting Zend Server. The commands in this article can be used to create custom programs to start or stop Zend Server at any desired time. The most common example would be a backup procedure that runs when the system is not in a restricted state.

Environment

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

Resolution

Versions Zend Server 2020, 2021, and higher

These are the commands to start and stop Zend Server. They correspond to options 1 and 2 on the Zend Server Service Management Menu. They will start and stop both the ZENDPHP74 subsystem and the ZENDPHP74 Apache instance in subsystem QHTTPSVR.

Please Note: These commands must be run with a user profile possessing the *ALLOBJ and *JOBCTL special authorities.

To start Zend Server:

```
ADDLIB ZENDDPHP74
CALL ZENDPHP74/ZSTRSBS
```

To end Zend Server:

```
ADDLIB ZENDDPHP74
CALL ZENDPHP74/ZENDSBS
```

Versions Zend Server 9, 2018, 2019

These are the commands to start and stop Zend Server. They correspond to options 1 and 2 on the Zend Server Service Management Menu. They will start and stop both the ZENDPHP7 subsystem and the ZENDPHP7 Apache instance in subsystem QHTTPSVR.

Please Note: These commands must be run with a user profile possessing the *ALLOBJ and *JOBCTL special authorities.

To start Zend Server:

```
ADDLIB ZENDDPHP7
CALL ZENDPHP7/ZSTRSBS
```

To end Zend Server:

```
ADDLIB ZENDDPHP7
CALL ZENDPHP7/ZENDSBS
```

Versions 6, 7, or 8

These are the commands to start and stop Zend Server. They correspond to options 1 and 2 on the Zend Server Service Management Menu. They will start and stop both the ZENDSVR6 subsystem and the ZENDSVR6 Apache instance in subsystem QHTTPSVR.

Please Note: These commands must be run with a user profile possessing the *ALLOBJ and *JOBCTL special authorities.

To start Zend Server:

```
ADDLIB ZENDSVR6
CALL ZENDSVR6/ZSTRSBS
```

To end Zend Server:

```
ADDLIBLE ZENDSVR6
CALL ZENDSVR6/ZENDSBS
```

An alternative is to submit the commands:

Versions Zend Server 2020, 2021, and higher

To start Zend Server:

```
SBMJOB CMD(CALL PGM(ZENDPHP74/ZSTRSBS)) +
JOB(START_ZSV) JOBD(ZENDPHP74/ZSVR_JOB) +
JOBQ(QGPL/QBATCH)
```

To end Zend Server:

```
SBMJOB CMD(CALL PGM(ZENDPHP74/ZENDSBS)) +
JOB(STOP_ZSV) JOBD(ZENDPHP74/ZSVR_JOB) +
JOBQ(QGPL/QBATCH)
```

Versions Zend Server 9, 2018, 2019

To start Zend Server:

```
SBMJOB CMD(CALL PGM(ZENDPHP7/ZSTRSBS)) +
JOB(START_ZSV) JOBD(ZENDPHP7/ZSVR_JOB) +
JOBQ(QGPL/QBATCH)
```

To end Zend Server:

```
SBMJOB CMD(CALL PGM(ZENDPHP7/ZENDSBS)) +
JOB(STOP_ZSV) JOBD(ZENDPHP7/ZSVR_JOB) +
JOBQ(QGPL/QBATCH)
```

Version 6, 7, or 8

To start Zend Server:

```
SBMJOB CMD(CALL PGM(ZENDSVR6/ZSTRSBS)) +
JOB(START_ZSV) JOBD(ZENDSVR6/ZSVR_JOB) +
JOBQ(QGPL/QBATCH)
```

To end Zend Server:

```
SBMJOB CMD(CALL PGM(ZENDSVR6/ZENDSBS)) +
JOB(STOP_ZSV) JOBD(ZENDSVR6/ZSVR_JOB) +
JOBQ(QGPL/QBATCH)
```

One way to start at startup is to put the commands to start the ZENDPHP74, ZENDPHP7, or ZENDSVR6 subsystem in the start up program defined by the QSTRUPPGM system value. If you decide to do this, you should also disable the Autostart Job Entry in subsystem QSYSWRK. This article tell show to do that:

[Prevent or Enable Automatic Start up of Zend Server on IBM i](#)

Note: You cannot make changes to QSYS/QSTRUP.

If the start up program defined in system value QSTRUPPGM is QSYS/QSTRUP you need to retrieve the source from it and make your own to make any changes. This page in the IBM documentation tells how:

[Changing the IPL startup program](#)