

# Delete Licensed Program - (DLTLICPGM) Zend Core for IBM i (i5/OS)

## Applies To:

[ Zend Core 2..x ]  
[ IBM System i ]

## Overview

The Delete Licensed Program (DLTLICPGM) command is used with the IBM i (i5) OS to delete all the objects that make up the licensed program. When a change is made to any of the LP objects, an object is added to a library or a directory that is stamped as a part of the LP the delete license program command may fail at times.

## Instructions

Note: To safely remove Zend Core from your system after Zend Server for IBM i has been installed, please verify that you are at version 2.6.1 of Zend Core for IBM i5/OS. Please see this article for details:

## Perform a clean uninstall of Zend Core for IBM i (i5/OS)

The Delete Licensed Program (DLTLICPGM) command, from an 5250 command line:

- DLTLICPGM remove the product 1ZCORE5 from the system
- WRKOBJLCK OBJ(ZENDCORE) OBJTYPE(\*LIB)
- DLTLICPGM LICPGM(1ZCORE5)

### Note

Make sure the library ZENDCORE is not locked by any other job including yours, except for the ZEND subsystem jobs. (i5\_COMD, ZC\_STR\_PRN, ZENDCOREAP)

## Complete these steps for a failed uninstall

1. From a 5250 line:

- ENDSBS ZEND - end the subsystem if active
- WRKLIB ZENDCORE -select option 12 to work with library
- WRKOBJPDM LIB(ZENDCORE) OBJ(ZCOREI5) - identify the two objects:
  - 1. ZCOREI5 \*PRDDFN - Zend Software for IBM i5/OS
  - 2. ZCOREI5 \*PRDLOD - Zend Core - product load
- Select option 4= delete - remove the product definition and product load.
- DLTLIB ZENDCORE
- Remove or Rename the Zend products directories: *Usr/local/Zend* & *www/zendcore4*

2. Rename the directories:

- WRKLNK '/usr/local' and Select option 7 - rename the directory */Zend*
- WRKLNK '/www' and Select option 7 - rename the directory */zendcore*

3. Remove the directories:

- CALL QP2TERM to start the PASE terminal shell

4. From the terminal shell enter the commands:

- `rm -rf /usr/local/zend`
- `rm -rf /www/zendcore`

5. You can use the following IBM icommands include in a CLP as well to remove the product this step is the same as before to remove the directories:

- QSYS/CD DIR(/)
- QSYS/CALL PGM(QP2SHELL) PARM('/QOpenSys/usr/bin/ksh' 'rm -rf /usr/local/zend')
- QSYS/CALL PGM(QP2SHELL) PARM('/QOpenSys/usr/bin/ksh' 'rm -rf /www/zendcore')

**Excerpt:** The Delete Licensed Program (DLTLICPGM) command is used with the IBM i OS to delete all the objects that make up the licensed program. When a change is made to any of the LP objects, an object is added to a library or a directory that is stamped as a part of the LP the delete license program command may fail at times.