

Zend Server for IBM i - Applying a license

Entering the Zend Server license for IBM i via the User Interface, the web page will hang during the process. No acknowledgment returned showing the license has been applied successfully.

Step-by-step guide

1. Restart the Zend Server and check if the license update completed anyway.
Use the Zend Server Green Screen menu options(update/view):
GO ZENDPHP74/ZSMENU -> select option -> 80. Configurations -> 7. Update Zend Server License
Or jump directly to the Configuration menu:
GO ZENDPHP74/ZSCONFIG

```
ZSCONFIG                               Zend Server 2021 Configuration Menu                                System: I74SUP1

Select one of the following:

    1. Change password for Web Administration Console
    2. Set Zend Server Language/CCSID environment
    3. Autostart Job Settings
    4. Copy Zend Server commands to a user library
    5. ZendDBI Menu option configuration
    6. Zend Server ports management
    7. Update Zend Server License
    8. Zend Server PHP Version Switch


Selection or command
===>
F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel
F13=Information Assistant   F16=System main menu
```

2. Other manual license update if needed:
Stop the Zend Server environment - use the green screen menu:
For Zend Server version 8.5 -> GO ZENDSVR6/ZSMENU
For Zend Server version 9.1, 2018.x, 2019.x -> GO ZENDPHP7/ZSMENU

License has to be set in two places:

- a) '/usr/local/zendphp74/etc/conf.d/ZendGlobalDirectives.ini'
b) '/usr/local/zendphp74/var/db/zsd.db'
- a) '/usr/local/zendphp74/php/active/etc/conf.d/ZendGlobalDirectives.ini'
b) '/usr/local/zendphp74/var/db/zsd.db'

To register the license, we need to run the below SQLite SQL statements, to do so please download the following SQLite browser:
<http://sqlitebrowser.sourceforge.net/>

Once installed on your Windows, map a network drive to the IBM i file system so you can share the IFS files

Fix the license - execute this query on zsd.db using the SQLite tool :

```
update ZSD_DIRECTIVES set DISK_VALUE = 'Your_Order#' where NAME = 'zend.user_name';  
update ZSD_DIRECTIVES set DISK_VALUE='Your License key' where NAME='zend.serial number';
```

For Zend Server version 2019.0.x use the following SQLite commands:

```
update ZSD_ZEND_COMMON_DIRECTIVES set DISK_VALUE = 'Your_Order#' where NAME = 'zend.user_name';
update ZSD_ZEND_COMMON_DIRECTIVES set DISK_VALUE='Your License key' where NAME='zend.serial number'
```

3. You can try and use the following script as well, change the following:

[illegible]

```

<?php

// set zend license variables to be updated
$serial_number = 'XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX';
$user_name = 'user_name';

// connect to Zend Server database
$sqliteDebug = true;
try {
    $sqlite = new SQLite3('/usr/local/zendsvr6/var/db/zsd.db');
    //$sqlite = new SQLite3('/usr/local/zendphp7/var/db/zsd.db');
} catch (Exception $exception) {
    echo '<p>There was an error connecting to the database!</p>';

    if ($sqliteDebug) {
        echo $exception->getMessage();
    }
}

// perform updates
$query = "update ZSD_DIRECTIVES set DISK_VALUE = '' . $user_name . '' where NAME = 'zend.user_name'";
// for Zend Server 2019.0.x PHP 7.x
//$query = "update ZSD_ZEND_COMMON_DIRECTIVES set DISK_VALUE = '' . $user_name . '' where NAME = 'zend.
user_name'";

$sqliteResult = $sqlite->query($query);

if (!$sqliteResult and $sqliteDebug) {
    echo "<p>There was an error updating zend.user_name: $query</p>";

    echo $sqlite->lastErrorMsg();
} else {
    echo "<p>zend.user_name updated successfully: $user_name</p>";
}

$query = "update ZSD_DIRECTIVES set DISK_VALUE = '' . $serial_number . '' where NAME = 'zend.
serial_number'";
// for Zend Server 2019.0.x PHP 7.x
// $query = "update ZSD_ZEND_COMMON_DIRECTIVES set DISK_VALUE = '' . $serial_number . '' where NAME =
'zend.serial_number'";

$sqliteResult = $sqlite->query($query);

if (!$sqliteResult and $sqliteDebug) {
    echo "<p>There was an error updating zend.serial_number: $query</p>";

    echo $sqlite->lastErrorMsg();
} else {
    echo "<p>zend.serial_number updated successfully: $serial_number</p>";
}

```

[Registering the Zend Server](#)

[Zend Server license](#)



Related articles

- [Correct the fastcgi.conf file - Define the correct "active" php.ini file and correct the INSTALLATION_UID \(replace TIMESTAMP\)](#)
- [IBM i Apache HTTP - Server Authentication using IBM i user profiles](#)
- [IBM i Zend Website freezes or slows down, or PHP stops responding - how to research](#)
- [Use Zend Framework SMTP Transport instead of mail\(\) on IBM i](#)

- [Using SystemCTL Instead Of ZendCTL](#)