

IBM zPDT Product Activation

ITC 1090 dongle/Code Authentication Procedure

With the availability of zPDT Version GA 10.6 (driver level 55.16 or later) & GA 11 (driver level 57.16 or later) the authentication process has changed.

Processing Notes

- The z1090 software must be installed on your Linux machine. The installation can be done without using the token.
- You will need a working token to *run* the z1090 software.
- **You do not need to stop zPDT and you can have multiple Gen2 tokens installed.**
- Switch to Linux root mode. You can have zPDT still active and multiple tokens connected.
- You can verify that the new Gen2 hardware token licenses have been installed / updated, by issuing the **query_license** command and observe the license expiration date.
- As in the past, you can also verify by starting zPDT (with the normal `awsstart` command) and then issuing a **token** command from a Linux window.
- **Only GA12 Version 59.14 or later supports the `request_license -l` option for specifying the filename.**

zPDT version GA 11 (driver 57.16 or later) & 10 (driver 55.16 or later)

The z1090 software must be installed on your Linux machine. The installation can be done without using the token. You will need a working token to *run* the z1090 software.

Create the Request File

1. Connect your token to a USB port (on your 1090 machine). ***If you are using more than one token on your system, you will be asked to select the token you would like to work with. Note: You may have a zPDT system/instance running when you do this request.***
2. Open a Gnome or Xfce terminal/command (text mode) window
3. The **request_license** program must be run in root mode. Use the “ **su -** “ command to change to root mode. Provide the root password when prompted.

4. Change to the /usr/z1090/bin directory: **"cd /usr/z1090/bin "**
5. Execute the **request_license**. This should produce a small binary file, with a system-assigned file name, such as **<linux host name>_<hash>.zip** which is placed in /root. Prefix the name of the program with **"/"** to tell Linux to execute it from the current directory.

NOTE: If multiple Gen2 tokens are present, it will ask you to select the one you want to work with.

6. Attach the *request file* to an email and send it to: support@itconline.com

Put together, the sequence would look like this in the Gnome or Xfce terminal window:

```
su -  
<root password>  
  
cd /usr/z1090/bin  
  
./request_license  
  
exit    < to exit root mode >  
exit    < to close the terminal window >
```

ITC will process your request file and you will receive an ITC e-mail.

Update your z1090 Token

With your z1090 token connected to a USB port on your 1090 machine. **If you are using more than one token on your system, you do not have to remove any tokens while updating a specific license.** **Note: Your zPDT system/instance can be running when you do this update.**

1. Transfer the update file to your zPDT machine.
2. Open a Gnome or Xfce terminal/command (text mode) window
3. The **update_license** must be run in root mode. Use the “**su -**” command to change to root mode. Provide the root password when prompted.
4. Change to the /usr/z1090/bin directory: “**cd /usr/z1090/bin**”
5. Execute the **update_license** program with the filename and full path to the update file. Prefix the name of the program with “./” to tell Linux to execute it from the current directory.

“./update_license -l customername_LDKSerialNumber.zip”

```
localhost:/usr/z1090/bin # ./request_license -l itc_022193b.zip
zPDT/LDK license request started.

The following is a list of available keys:

HASP-HL key_id=1361446470      feature(s): 0  330-CPU License 331-ADCD License
updateinfo status 0  fingerprint status 0
Host Information:  localhost  127.0.0.1  Linux

The request file created is: ~/itc_022193b.zip_1719945128.zip

Success
```

6. You should see multiple “Success” messages indicating the token has been updated.
7. To verify the decryption licenses have been applied, use the query_license command: “./query_license”

```
localhost:/usr/z1090/bin # ./query_license

The following key is available:

HASP-HL key_id=1361446470      feature(s):
FID Feature Name      Expiration      Logins MaxLogins
330-    CPU License   Thu Jul 24,2025 19:55:00    0      8
331-    ADCD License  Thu Jul 24,2025 19:55:00    0      2

Host Information:  localhost  localhost

No login sessions
```

8. Leave

root mode: **"exit"**

Put together, the sequence would look like this in the Gnome or Xfce terminal window:

```
su -  
                                     <root password>  
  
cd /usr/z1090/bin  
  
./update_license zpdtxxxxxxCustomerName_LDKSerialnumber_linux host  
name>_<hash>_update.zip  
  
./query_license  
  
exit    < to exit root mode >  
exit    < to close the terminal window >
```

Your token is now ready to use.