

Version GA12 z1090-1-12.59.14 Release Letter

1. Product Description

The IBM System z Personal Development Tool (zPDT) provides System z functionality, with selected emulated I/O devices. The z1090 runs in a Linux environment. As the name implies, a zPDT is intended for development and similar purposes such as education and demonstrations. It lacks the Reliability and Service (RAS) and flexibility of a “real” System z machine and is not suitable for production use. This release letter refers to the zPDT that uses a token or USB hardware key defined as a Sentinel Hardware Key (SHK) for licensing management. Please reference the System zPDT Guide and Reference (SG24-8205-06) Redbook, section 1.3 Terminology changes for more information concerning licensing options.

2. New Function

0 none

3. Fixed in this release

- Deflate / Inflate fixes.
- Fix for eDMosa core.
- Fix for OSA in controller mode.
- Update for DASD CU authorization. Condition has been resolved and messages on zOS startup will no longer occur.
- Added missing enhanced core script.
- Added label option to request_license command to allow user to prefix the file name.
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4. System Configuration and Prerequisites

The supported levels of Linux must be at least the 64-bit version of the following: Red Hat Enterprise Linux (RHEL) 8.9 or greater, SLES 15 SP5 or greater, openSUSE Leap 15.5 or greater, and Ubuntu 20.04 or greater. **Earlier versions are not supported.**

5. Install **z1090-1-12.59.14.x86_64**

If you are installing the 1090 application for the first time, refer to the Redbook titled IBM zPDT Guide and Reference System z Personal Development Tool (SG24-8205-06), chapter five, zPDT Installation. Please be sure that you have installed the appropriate version of Linux and the prerequisites before proceeding to install the 1090 code. If you have already installed the appropriate version of Linux and the required prerequisites, and you are upgrading from a previous zPDT level, please proceed to the next step.

5.1. Install the 1090 application.

You will use root to install the z1090 release. As root, install **z1090-1-12.59.14.x86_64** and accept the End User License agreement. If you've downloaded the release, set the proper write and access permissions (either `chmod 755` or `u+x <zPDT package name>`).

5.2. Execute **z1090instcheck**

The next step is to run the command **z1090instcheck** to check if conditions of your system are favorable for the 1090 application. You should run this command from the user login configured to run the 1090 application. If you choose to run from root, the path is **/usr/z1090/bin/z1090instcheck**.

5.3. Plug the Sentinel Hardware Key (SHK) or the new Sentinel LDK Hardware Key

If not already plugged in, be sure to plug the Key into the appropriate USB slot. If this is a brand new Key that has not been activated yet, you'll need the 1090 code to be able to activate the Key. The Key may be plugged into any available USB 2.0 port. If you are planning to install the Key in a USB hub make sure that the hub is externally powered, otherwise, you could damage the Key.

6. 1090 Directory Structure

The following is the directory structure set up by the install process. If the structure is not in place, the **awsstart** command will create it for you.

`/<homeDir>/z1090/logs` various traces are placed here

/<homeDir>/z1090/configs	IOCDs, IOCP, activation profiles
/<homeDir>/z1090/disks	emulated disk volumes
/<homeDir>/z1090/tapes	emulated tape volumes
/<homeDir>/z1090/cards	input to emulated card reader
/<homeDir>/z1090/list	emulated printer output

(where /<homeDir> is whatever the home directory is for the given user)

7. Known Restrictions, Exceptions, and Other Notes

7.1. Restrictions

- SNA is not supported.
- Multicast IP is not supported via OSE managed devices. Multicast IP is only supported with OSA defined in OSD mode.

7.2 Exceptions

- None

7.3 Other Notes

- None