

# How to Install PetaLinux on Linux

Innova Lee(이상훈)  
gcccompil3r@gmail.com

먼저 Xilinx 사이트에서 필요한 것들을 모두 다운 받도록 한다.



XILINX  
VERSAL™

Industry's First ACAP

Adaptive Compute Acceleration Platform

LEARN MORE



Support -> Downloads & Licensing

Applications

Products

Developer Zone

Support

About

## Support

Knowledge Base  
Documentation  
Community Forums  
Service Portal  
Design Hubs

## Services

Training  
**Downloads & Licensing**  
Product Return  
University Program  
Partner Design Services



Download Now



Documentation Navigator  
Download Today



Community Forums  
Join Now

New to Xilinx? Let us help guide you.

Learn More



Searching for Design Tools?  
Get Started



Xilinx Developer  
Forum

Learn More

Adaptive Compute Acceleration Platform

LEARN MORE

Vivado

Embedded  
Development

SDSoC  
Development  
Environment

SDAccel  
Development  
Environment

ISE

Device Models

CAE Vendor  
Libraries

## Version

[2018.2](#)

[2018.1](#)

**2017.4**

[Archive](#)

### Software Development Kit Standalone WebInstall Client - 2017.4 Lightweight Installer

#### Download

#### Important Information

##### SDK Web Install

Download only what you need! You can now download one of the small self-extracting Web Install executables below. The Web Install thin client will accept your login credentials and allow you to select specific tool components. The client will then automatically download only what you've selected and install it on your local machine.

Download Includes

Software Development  
Kit (SDK)

Download Type

Lightweight Installer  
Download

Last Updated

Dec 20, 2017

 [SDK 2017.4 WebInstall for Windows 64](#) (EXE - 51.18 MB)

MD5 SUM Value : 6e6fc92b9673f70483199b8e5e87c6db

 [SDK 2017.4 WebInstall for Linux 64](#) (BIN - 100.58 MB)

MD5 SUM Value : 5fd5e215e93b488dd2303f4987d6466c

## PetaLinux - Installation Files - 2017.4

 [PetaLinux 2017.4 License and copyrights info](#) (TAR/GZIP - 89.68 MB)

MD5 SUM Value : f85f29f48f536ba3c67d811c0202bd61

 [PetaLinux 2017.4 Open Components Source Code](#) (TAR/GZIP - 5.19 GB)

MD5 SUM Value : 4a6d292f91348395d989e0f414c8b0e1

PetaLinux 2017.4 Installer

 [PetaLinux 2017.4 Installer](#) (TAR/GZIP - 7.86 GB)

MD5 SUM Value : 9b406fa5cc732da52944b3ce6718e19d

 [ZC702 BSP](#) (BSP - 42.57 MB)

MD5 SUM Value : 8b558104b59e155839905998bb11c667

 [ZC706 BSP](#) (BSP - 42.81 MB)

MD5 SUM Value : dc8adadd8b5d900b8d998f5a905c05a

Last Updated

Dec 20, 2017

Answers

[Release Notes and Known Issues](#)

Documentation

[PetaLinux Tools Documentation](#)



Country\*

Korea, Republic Of

Phone

+82

Job Function\*

Professor/Instructor

Primary Market\*


Wireless Communications

For more information about how we process your personal information, please see our [privacy policy](#).

Next

Opening petalinux-v2017.4-final-installer.run

You have chosen to open:

 **petalinux-v2017.4-final-installer.run**  
which is: plain text document (7.9 GB)  
from: <https://xilinx-ax-dl.entitlenow.com>

What should Firefox do with this file?

- ☐ Open with gedit (default) ▼
- ☒ Save File
- ☐ Do this automatically for files like this from now on.

Cancel

OK

```
Terminal File Edit View Search Terminal Help
sdr@sdr-Samsung-DeskTop-System:/opt/Xilinx/Vivado/2017.4/data/xicom/cable_drivers/lin64/install_script/install_drivers$ cd ~/install_vivado/
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ls
petalinux-v2017.4-final-installer.run  Xilinx_Vivado_SDK_2017.4_1216_1
Xilinx.lic                             Xilinx_Vivado_SDK_2017.4_1216_1.tar.gz
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ chmod 755 petalinux-v2017.4-final-installer.run
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ls
petalinux-v2017.4-final-installer.run  Xilinx_Vivado_SDK_2017.4_1216_1
Xilinx.lic                             Xilinx_Vivado_SDK_2017.4_1216_1.tar.gz
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ █
```



```
Terminal File Edit View Search Terminal Help
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ sudo apt-get update
[sudo] password for sdr:
Hit:1 http://kr.archive.ubuntu.com/ubuntu xenial InRelease
Get:2 http://kr.archive.ubuntu.com/ubuntu xenial-updates InRelease [109 kB]
Get:3 http://kr.archive.ubuntu.com/ubuntu xenial-backports InRelease [107 kB]
Get:4 http://kr.archive.ubuntu.com/ubuntu xenial-updates/main amd64 DEP-11 Metadata [320 kB]
Get:5 http://kr.archive.ubuntu.com/ubuntu xenial-updates/main DEP-11 64x64 Icons [227 kB]
Get:6 http://kr.archive.ubuntu.com/ubuntu xenial-updates/universe amd64 Packages [696 kB]
Get:7 http://kr.archive.ubuntu.com/ubuntu xenial-updates/universe i386 Packages [638 kB]
Get:8 http://kr.archive.ubuntu.com/ubuntu xenial-updates/universe amd64 DEP-11 Metadata [247 kB]
Get:9 http://kr.archive.ubuntu.com/ubuntu xenial-updates/universe DEP-11 64x64 Icons [333 kB]
Get:10 http://kr.archive.ubuntu.com/ubuntu xenial-updates/multiverse amd64 DEP-11 Metadata [5,960 B]
Get:11 http://kr.archive.ubuntu.com/ubuntu xenial-backports/main amd64 DEP-11 Metadata [3,324 B]
Get:12 http://kr.archive.ubuntu.com/ubuntu xenial-backports/universe amd64 DEP-11 Metadata [5,104 B]
Get:13 http://security.ubuntu.com/ubuntu xenial-security InRelease [107 kB]
Hit:14 http://deb.playonlinux.com precise InRelease
Hit:15 http://ppa.launchpad.net/maarten-baert/simplescreenrecorder/ubuntu xenial InRelease
Hit:16 http://ppa.launchpad.net/soylent-tv/screenstudio/ubuntu xenial InRelease
Get:17 http://security.ubuntu.com/ubuntu xenial-security/main amd64 DEP-11 Metadata [67.7 kB]
Get:18 http://security.ubuntu.com/ubuntu xenial-security/main DEP-11 64x64 Icons [68.0 kB]
Get:19 http://security.ubuntu.com/ubuntu xenial-security/universe amd64 Packages [392 kB]
Get:20 http://security.ubuntu.com/ubuntu xenial-security/universe i386 Packages [340 kB]
Get:21 http://security.ubuntu.com/ubuntu xenial-security/universe amd64 DEP-11 Metadata [108 kB]
Get:22 http://security.ubuntu.com/ubuntu xenial-security/universe DEP-11 64x64 Icons [150 kB]
Fetched 3,923 kB in 6s (610 kB/s)
AppStream cache update completed, but some metadata was ignored due to errors.
Reading package lists... Done
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$
```



```
Terminal File Edit View Search Terminal Help
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ sudo mkdir -p /opt/pkg/petalinux
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ sudo sdr /opt/pkg/
sudo: sdr: command not found
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ sudo chown sdr /opt/pkg/
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ sudo chgrp sdr /opt/pkg/
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ sudo chgrp sdr /opt/pkg/petalinux/
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ sudo chown sdr /opt/pkg/petalinux/
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ █
```

```
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ls
petalinux-v2017.4-final-installer.run  Xilinx_Vivado_SDK_2017.4_1216_1
Xilinx.lic                             Xilinx_Vivado_SDK_2017.4_1216_1.tar.gz
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ./petalinux-v2017.4-final-installer.run /o
pt/pkg/petalinux█
```

```
Terminal File Edit View Search Terminal Help
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ls
petalinux-v2017.4-final-installer.run  Xilinx_Vivado_SDK_2017.4_1216_1
Xilinx.lic                             Xilinx_Vivado_SDK_2017.4_1216_1.tar.gz
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ./petalinux-v2017.4-final-installer.run /o
pt/pkg/petalinux
INFO: Checking installer checksum...
INFO: Extracting PetaLinux installer...

LICENSE AGREEMENTS

PetaLinux SDK contains software from a number of sources. Please review
the following licenses and indicate your acceptance of each to continue.

You do not have to accept the licenses, however if you do not then you may
not use PetaLinux SDK.

Use PgUp/PgDn to navigate the license viewer, and press 'q' to close

Press Enter to display the license agreements
```

XILINX, INC.  
END USER LICENSE AGREEMENT FOR PETALINUX TOOLS

CAREFULLY READ THIS END USER LICENSE AGREEMENT FOR PETALINUX TOOLS ("AGREEMENT"). BY CLICKING THE "ACCEPT" OR "AGREE" BUTTON, ENTERING ☐ YES ☐ OR ☐ Y ☐ TO ACCEPT THIS AGREEMENT, OR OTHERWISE ACCESSING, DOWNLOADING, INSTALLING OR USING THE SOFTWARE, YOU AGREE ON BEHALF OF LICENSEE TO BE BOUND BY THIS AGREEMENT.

IF LICENSEE DOES NOT AGREE TO ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT, DO NOT CLICK THE "ACCEPT" OR "AGREE" BUTTON, ENTER ☐ YES ☐ OR ☐ Y ☐, OR ACCESS, DOWNLOAD, INSTALL OR USE THE SOFTWARE.

1. Definitions

"Bitstream" means a machine-executable, binary form of a core used to program a Xilinx Device.

"Licensee" means the individual, corporation or other legal entity who has downloaded and installed the Software.

"User" means a specific human being who is identified by Licensee as a person who is authorized to use the applicable Software on behalf of Licensee. In cases where Licensee is an individual who has downloaded and installed the Software for his/her individual use, Licensee and User are one and the same.

"Software" means Xilinx Petalinux Tools, as well as Updates (as defined below), but excluding any third-party files, programs or other materials governed by a separate license as mentioned in Section 3(b) (Third-Party Licenses) below.

"Update" means any updates, bug fixes, maintenance releases and the like, if any, to the Software that Xilinx may, in its sole discretion, make generally available to all of its then-current licensees of the Software.

"Xilinx" means Xilinx, Inc., a Delaware corporation, with a place of business at 2100 Logic Drive, San Jose, CA 95124.

[/tmp/tmp.SqB6R22Mny/./etc/license/Petalinux\\_EULA.txt](#)

```
Terminal File Edit View Search Terminal Help
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ls
petalinux-v2017.4-final-installer.run  Xilinx_Vivado_SDK_2017.4_1216_1
Xilinx.lic                             Xilinx_Vivado_SDK_2017.4_1216_1.tar.gz
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ./petalinux-v2017.4-final-installer.run /opt/pkg/petalinux
INFO: Checking installer checksum...
INFO: Extracting PetaLinux installer...

LICENSE AGREEMENTS

PetaLinux SDK contains software from a number of sources. Please review
the following licenses and indicate your acceptance of each to continue.

You do not have to accept the licenses, however if you do not then you may
not use PetaLinux SDK.

Use PgUp/PgDn to navigate the license viewer, and press 'q' to close

Press Enter to display the license agreements
Do you accept Xilinx End User License Agreement? [y/N] > y
Do you accept Webtalk Terms and Conditions? [y/N] > y
Do you accept Third Party End User License Agreement? [y/N] > y
INFO: Checking installation environment requirements...
INFO: Checking free disk space
INFO: Checking installed tools
█
```

```
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ./petalinux-v2017.4-final-installer.run /opt/pkg/petalinux
INFO: Checking installer checksum...
INFO: Extracting PetaLinux installer...

LICENSE AGREEMENTS

PetaLinux SDK contains software from a number of sources. Please review the following licenses and indicate your acceptance of each to continue.

You do not have to accept the licenses, however if you do not then you may not use PetaLinux SDK.

Use PgUp/PgDn to navigate the license viewer, and press 'q' to close

Press Enter to display the license agreements
Do you accept Xilinx End User License Agreement? [y/N] > y
Do you accept Webtalk Terms and Conditions? [y/N] > y
Do you accept Third Party End User License Agreement? [y/N] > y
INFO: Checking installation environment requirements...
INFO: Checking free disk space
INFO: Checking installed tools
ERROR: You are missing the following system tools required by PetaLinux:

- gcc-multilib
Please check PetaLinux installation guide - required tools and libraries package section for detailed information

INFO: Checking installed development libraries
Please install them with your operating system package manager, and try again
WARNING: Please install required packages.

Please refer to the PetaLinux Tools Installation Guide.

Check the troubleshooting guide at the end of that manual, and if you are unable to resolve the issue please contact customer support with file:
/home/sdr/install_vivado/petalinux_installation_log

sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ █
```

```
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ sudo apt-get install gcc-multilib
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  binutils-arm-linux-gnueabi cpp-5-arm-linux-gnueabi cpp-arm-linux-gnueabi
  gcc-5-arm-linux-gnueabi-base gcc-5-cross-base libasan2-armel-cross
  libatomic1-armel-cross libc6-armel-cross libc6-dev-armel-cross libgcc-5-dev-armel-cross
  libgcc1-armel-cross libgomp1-armel-cross libl1vm5.0:i386 libstdc++6-armel-cross
  libubsan0-armel-cross linux-headers-4.10.0-28 linux-headers-4.10.0-28-generic
  linux-headers-4.13.0-32 linux-headers-4.13.0-32-generic linux-headers-4.13.0-36
  linux-headers-4.13.0-36-generic linux-headers-4.13.0-37 linux-headers-4.13.0-37-generic
  linux-headers-4.13.0-41 linux-headers-4.13.0-41-generic linux-headers-4.13.0-43
  linux-headers-4.13.0-43-generic linux-headers-4.15.0-24 linux-headers-4.15.0-24-generic
  linux-headers-4.15.0-29 linux-headers-4.15.0-29-generic linux-headers-4.15.0-32
  linux-headers-4.15.0-32-generic linux-image-4.10.0-28-generic
  linux-image-4.13.0-32-generic linux-image-4.13.0-36-generic
  linux-image-4.13.0-37-generic linux-image-4.13.0-41-generic
  linux-image-4.13.0-43-generic linux-image-4.15.0-24-generic
  linux-image-4.15.0-29-generic linux-image-4.15.0-32-generic
  linux-image-extra-4.10.0-28-generic linux-image-extra-4.13.0-32-generic
  linux-image-extra-4.13.0-36-generic linux-image-extra-4.13.0-37-generic
  linux-image-extra-4.13.0-41-generic linux-image-extra-4.13.0-43-generic
  linux-libc-dev-armel-cross linux-modules-4.15.0-24-generic
  linux-modules-4.15.0-29-generic linux-modules-4.15.0-32-generic
  linux-signed-image-4.13.0-32-generic linux-signed-image-4.13.0-36-generic
  linux-signed-image-4.13.0-37-generic linux-signed-image-4.13.0-41-generic
  linux-signed-image-4.13.0-43-generic linux-signed-image-generic-hwe-16.04
Use 'sudo apt autoremove' to remove them.
The following packages will be REMOVED:
  gcc-5-arm-linux-gnueabi gcc-arm-linux-gnueabi
The following NEW packages will be installed:
  gcc-multilib
0 upgraded, 1 newly installed, 2 to remove and 247 not upgraded.
Need to get 1,212 B of archives.
After this operation, 20.2 MB disk space will be freed.
Do you want to continue? [Y/n] y
Get:1 http://kr.archive.ubuntu.com/ubuntu xenial/main amd64 gcc-multilib amd64 4:5.3.1-1ubu
ntu1 [1,212 B]
```

```
SDK has been successfully set up and is ready to be used.
Each time you wish to use the SDK in a new shell session, you need to source the environmen
t setup script e.g.
$ . /opt/pkg/petalinux/components/yocto/source/arm/environment-setup-cortexa9hf-neon-xilin
x-linux-gnueabi
INFO: PetaLinux Yocto SDK for zynq has been successfully installed.
INFO: Installing PetaLinux microblaze (Full) Yocto SDK to "/opt/pkg/petalinux/./components/
yocto/source/microblaze_full"...
PetaLinux Extensible SDK installer version 2017.4
=====
You are about to install the SDK to "/opt/pkg/petalinux/components/yocto/source/microblaze_
full". Proceed[Y/n]? Y
Extracting SDK.....done
Setting it up...
Extracting buildtools...
done
SDK has been successfully set up and is ready to be used.
Each time you wish to use the SDK in a new shell session, you need to source the environmen
t setup script e.g.
$ . /opt/pkg/petalinux/components/yocto/source/microblaze_full/environment-setup-microblaz
eel-v10.0-bs-cmp-mh-div-xilinx-linux
INFO: Installing PetaLinux microblaze (Lite) Yocto SDK to "/opt/pkg/petalinux/./components/
yocto/source/microblaze_lite"...
PetaLinux Extensible SDK installer version 2017.4
=====
You are about to install the SDK to "/opt/pkg/petalinux/components/yocto/source/microblaze_
lite". Proceed[Y/n]? Y
Extracting SDK.....done
Setting it up...
Extracting buildtools...
done
SDK has been successfully set up and is ready to be used.
Each time you wish to use the SDK in a new shell session, you need to source the environmen
t setup script e.g.
$ . /opt/pkg/petalinux/components/yocto/source/microblaze_lite/environment-setup-microblaz
eel-v10.0-bs-cmp-ml-xilinx-linux
INFO: PetaLinux Yocto SDK for microblaze has been successfully installed.
INFO: PetaLinux SDK has been installed to /opt/pkg/petalinux/.
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$
```



```
Terminal File Edit View Search Terminal Help
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ vi ~/.bashrc
```

```
119 # Enable Vivado 2015 & Petalinux 2015
120 #source /home/sdr/petalinux_zynq/petalinux-v2015.4-final/settings.sh
121 #source /opt/Xilinx/Vivado/2015.4/settings64.sh
122
123 # Enable Vivado 2017 & Petalinux 2017
124 source /opt/Xilinx/Vivado/2017.4/settings64.sh
125 source /opt/pkg/petalinux/settings.sh
```

```
PetaLinux environment set to '/opt/pkg/petalinux'
INFO: Checking free disk space
INFO: Checking installed tools
INFO: Checking installed development libraries
INFO: Checking network and other services
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ petalinux-
petalinux-boot      petalinux-config  petalinux-package
petalinux-build     petalinux-create  petalinux-util
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$
```

Digilent / Petalinux-Zybo-Z7-10

Watch 4

Code Issues 1 Pull requests 0 Projects 0 Wiki Insights

Releases Tags

Latest release

v2017.4-1  
a37daca

# Petalinux Project for Zybo Z7-10 v2017.4-1

sbobrowicz released this on Mar 28 · 1 commit to master since this release

## Assets 3

Petalinux-Zybo-Z7-10-2017.4-1.bsp

Source code (zip)

Source code (tar.gz)

```
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ls
petalinux_installation_log      Xilinx_Vivado_SDK_2017.4_1216_1
petalinux-v2017.4-final-installer.run  Xilinx_Vivado_SDK_2017.4_1216_1.tar.gz
Xilinx.lic
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ mv ~/Downloads/Petalinux-Zybo-Z7-10-2017.4-1.bsp ./
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ ls
petalinux_installation_log      Xilinx.lic
petalinux-v2017.4-final-installer.run  Xilinx_Vivado_SDK_2017.4_1216_1
Petalinux-Zybo-Z7-10-2017.4-1.bsp      Xilinx_Vivado_SDK_2017.4_1216_1.tar.gz
sdr@sdr-Samsung-DeskTop-System:~/install_vivado$ █
```

```
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace$ ls
petalinux  pmodCAN  pmod_lib
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace$ petalinux-create -t project -n boot_test --template zynq
INFO: Create project: boot_test
INFO: New project successfully created in /home/sdr/zynq_workspace/boot_test
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace$ █
```

```
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace$ rm -rf boot_test/
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace$ cp ~/install_vivado/Petalinux-Zybo-Z7-10-2017.4-1.bsp ./
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace$ petalinux-create -t project -s Petalinux-Zybo-Z7-10-2017.4-1.bsp
INFO: Create project:
INFO: Projects:
INFO:   * Zybo-Z7-10
INFO: has been successfully installed to /home/sdr/zynq_workspace/
INFO: New project successfully created in /home/sdr/zynq_workspace/
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace$ ls
petalinux  Petalinux-Zybo-Z7-10-2017.4-1.bsp  pmodCAN  pmod_lib  Zybo-Z7-10
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace$ █
```

```
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace$ ls
petalinux Petalinux-Zybo-Z7-10-2017.4-1.bsp pmodCAN pmod_lib Zybo-Z7-10
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace$ cd Zybo-Z7-10/
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace/Zybo-Z7-10$ petalinux-build
[INFO] building project
[INFO] generating Kconfig for project

[INFO] oldconfig project
[INFO] sourcing bitbake
[INFO] generating plnxtool conf
[INFO] generating meta-plnx-generated layer
~/zynq_workspace/Zybo-Z7-10/build/misc/plnx-generated ~/zynq_workspace/Zybo-Z7-10
~/zynq_workspace/Zybo-Z7-10
[INFO] generating machine configuration
[INFO] generating bbappends for project . This may take time !
~/zynq_workspace/Zybo-Z7-10/build/misc/plnx-generated ~/zynq_workspace/Zybo-Z7-10
~/zynq_workspace/Zybo-Z7-10
[INFO] generating u-boot configuration files

[INFO] generating kernel configuration files
[INFO] generating kconfig for Rootfs
Generate rootfs kconfig
[INFO] oldconfig rootfs
[INFO] generating petalinux-user-image.bb
INFO: bitbake petalinux-user-image
Loading cache: 100% |#####| Time: 0:00:00
Loaded 3258 entries from dependency cache.
Parsing recipes: 100% |#####| Time: 0:00:02
Parsing of 2473 .bb files complete (2430 cached, 43 parsed). 3266 targets, 226 skipped,
0 masked, 0 errors.
NOTE: Resolving any missing task queue dependencies
Initialising tasks: 100% |#####| Time: 0:00:05
[Checking sstate mirror object availability: 10% |##| ETA: 0:00:23
```

```
~/zynq_workspace/Zybo-Z7-10/build/misc/plnx-generated ~/zynq_workspace/Zybo-Z7-10
~/zynq_workspace/Zybo-Z7-10
[INFO] generating machine configuration
[INFO] generating bbappends for project . This may take time !
~/zynq_workspace/Zybo-Z7-10/build/misc/plnx-generated ~/zynq_workspace/Zybo-Z7-10
~/zynq_workspace/Zybo-Z7-10
[INFO] generating u-boot configuration files

[INFO] generating kernel configuration files
[INFO] generating kconfig for Rootfs
Generate rootfs kconfig
[INFO] oldconfig rootfs
[INFO] generating petalinux-user-image.bb
INFO: bitbake petalinux-user-image
Loading cache: 100% |#####| Time: 0:00:00
Loaded 3258 entries from dependency cache.
Parsing recipes: 100% |#####| Time: 0:00:02
Parsing of 2473 .bb files complete (2430 cached, 43 parsed). 3266 targets, 226 skipped,
 0 masked, 0 errors.
NOTE: Resolving any missing task queue dependencies
Initialising tasks: 100% |#####| Time: 0:00:05
Checking sstate mirror object availability: 100% |#####| Time: 0:00:14
NOTE: Executing SetScene Tasks
NOTE: Executing RunQueue Tasks
fsbl-2017.4+gitAUTOINC+77448ae629-r0 do_compile: NOTE: fsbl: compiling from external so
urce tree /opt/pkg/petalinux/tools/hsm/data/embeddedsw
NOTE: Tasks Summary: Attempted 2675 tasks of which 1962 didn't need to be rerun and all
succeeded.
INFO: Copying Images from deploy to images
INFO: Creating images/linux directory
NOTE: Failed to copy built images to tftp dir: /var/lib/tftpboot
[INFO] successfully built project
webtalk failed:PetaLinux statistics:extra lines detected:notsent_nofile!
webtalk failed:Failed to get PetaLinux usage statistics!
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace/Zybo-Z7-10$
```

```
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace/Zybo-Z7-10$ ls
build components config.project images pre-built project-spec
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace/Zybo-Z7-10$ petalinux-boot --qemu --kernel
INFO: The image provided is a zImage
INFO: TCP PORT is free
INFO: Starting arm QEMU
INFO: qemu-system-aarch64 -M arm-generic-fdt-7series -machine linux=on -serial /dev/null -serial mon:stdio -display none -kernel /home/sdr/zynq_workspace/Zybo-Z7-10/build/qemu_image.elf -gdb tcp::9000 -dtb /home/sdr/zynq_workspace/Zybo-Z7-10/images/linux/system.dtb -net nic,vlan=1 -net user,vlan=1,tftp=/var/lib/tftpboot -net nic -device loader,addr=0xf8000008,data=0xDF0D,data-len=4 -device loader,addr=0xf8000140,data=0x00500801,data-len=4 -device loader,addr=0xf800012c,data=0x1ed044d,data-len=4 -device loader,addr=0xf8000108,data=0x0001e008,data-len=4 -device loader,addr=0xf8000910,data=0xF,data-len=0x4
Warning: vlan 0 is not connected to host network
rom: requested regions overlap (rom bootloader. free=0x0000000002d69420, addr=0x0000000000000000)
Uncompressing Linux...█
```



```
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
```

```
root@Zybo-Z7-10:~# cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
```

```
root@Zybo-Z7-10:~#
```

```
root@Zybo-Z7-10:~# ls
```

```
root@Zybo-Z7-10:~# ls /
```

```
bin      dev      home     lib      mnt      run      sys      usr
```

```
boot     etc      init     media    proc     sbin     tmp      var
```

```
root@Zybo-Z7-10:~# █
```

```
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion

root@Zybo-Z7-10:~# cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion

root@Zybo-Z7-10:~#
root@Zybo-Z7-10:~# ls
root@Zybo-Z7-10:~# ls /
bin    dev    home   lib     mnt     run     sys     usr
boot   etc    init   media   proc    sbin    tmp     var
root@Zybo-Z7-10:~# cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
ecdns-i2c e0004000.i2c: timeout waiting on completion
xitcdns-i2c e0004000.i2c: timeout waiting on completion

logout

cdns-i2c e0004000.i2c: timeout waiting on completion
root@Zybo-Z7-10:~# exit
logout

root@Zybo-Z7-10:~# cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
cdns-i2c e0004000.i2c: timeout waiting on completion
QEMU: Terminated
sdr@sdr-Samsung-DeskTop-System:~/zynq_workspace/Zybo-Z7-10$
```