



MT793X IoT SDK for Build Environment Virtual Env Installation

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Version History

Version	Date	Description
1.0	2020-11-03	Official release
1.1	2020-11-05	Update the path of installed venv
1.2	2021-07-12	Add bootloader's build command for reference Modify the commands of installing venv
1.3	2021-07-20	Add build command for bga_sdk_demo and qfn_sdk_demos
1.4	2021-09-30	Correct path in build commands
1.5	2021-10-28	Add blo option

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1 Virtual Environment Installation

Under your user home directory, execute the following commands:

Virtual Environment Installation

```
$ which python3.6
/usr/bin/python3.6
$ cd ~
$ virtualenv -p /usr/bin/python3.6 venv/imgtool
$ source venv/imgtool/bin/activate
$ pip install click cryptography intelhex
```

Version 3.6 is a random choice. Normally, Python 3 should work fine.

After the installation is done, whenever you want to try imgtool.py on a new session with this server, run this command again to adopt this virtual environment:

```
$ source ~/venv/imgtool/bin/activate
```

1.1 Bootloader Build Command

Build

```
$ ./build.sh mt7933_hdk bootloader -o=IMGTOOL_ENV=~/.venv/imgtool/bin/activate
```

1.2 Example Project Build Command

Build qfn_sdk_demo

```
$ ./build.sh mt7933_hdk qfn_sdk_demo -o=IMGTOOL_ENV=~/.venv/imgtool/bin/activate
```

Build qfn_sdk_demo and bootloader

```
$ ./build.sh mt7933_hdk qfn_sdk_demo bl -blo=IMGTOOL_ENV=~/.venv/imgtool/bin/activate -
o=IMGTOOL_ENV=~/.venv/imgtool/bin/activate
```

Build bga_sdk_demo

```
$ ./build.sh mt7933_hdk bga_sdk_demo -o=IMGTOOL_ENV=~/.venv/imgtool/bin/activate
```

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Build bga_sdk_demo and bootloader

```
$ ./build.sh mt7933_hdk bga_sdk_demo bl -blo=IMGTOOL_ENV=~/.venv/imgtool/bin/activate -  
o=IMGTOOL_ENV=~/.venv/imgtool/bin/activate
```

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