

## install development environment Ubuntu 14.04 LTS

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### prebuilt steps:

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```
sudo apt-get update
sudo apt-get install git build-essential
sudo apt-get install autoconf
sudo apt-get install unzip
sudo apt-get install libtool
sudo apt-get install whois
sudo apt-get install pkg-config
sudo apt-get install ncurses-dev
sudo apt-get install libssl-dev
```

### create working folders

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```
mkdir workspace
cd workspace
```

### get spondoolies package setup

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```
git clone https://github.com/Spondoolies-Tech/sp30-top.git
```

### download entire solution

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```
cd sp30-top
make get
```

### install toolchain

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```
cd /opt
tar xf /home/ubuntu/workspace/sp30-top/toolchain/arm2013.05-CodeSourcery.tar.xz
cd -
```

### add path to binaries in .bashrc

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```
echo "export PATH=/opt/arm-2013.05/bin/:$PATH" >> ~/.bashrc
. ~/.bashrc
```

### init projects configuration

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```
make init
```

### build binaries

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```
make build
```

### prepare ulmage spondoolies.dtb

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```
make deploy
```