

# yocto/ / yocto how to add/remove packages

yocto

<https://layers.openembedded.org/layerindex/branch/krogoth/recipes/>

yoctokrogoth 2.1 [BSPconfig](#) / [BSP version](#), [device tree](#), [config file cross reference table](#)

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- [python](#), [perl](#), [qt](#)
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layer

openembeddedlayerlayer

yoctoubuntu apt [yocto / yocto how to use package management system](#)

## layer

BSPBSP

```
bitbake -s | grep [software]
```

```
% bitbake -s | grep nfs-utils
nfs-utils                                :1.3.4-r0
```

build/conf/local.conf

```
# file build/conf/local.conf
IMAGE_INSTALL_append = " nfs-utils"                                nfs-utils
```

## layer

openembeddedrecipe openjdk8 <https://layers.openembedded.org/layerindex/recipe/66213/>

recipe meta-javalayer

meta-java, layers

1bpsourcesmeta-java

```
git clone git://git.yoctoproject.org/meta-java
```

2meta-javemeta-javayoctoyoctoBSPreleasenote <ftp://ftp.phytec.cn/AM335x/BSP-Yocto-AM335x-PD16.2.0/ReleaseNotes>

krogothyocoto

```
cd meta-java
git checkout origin/krogoth <-
```

3README

```
vi README
```

#### krogothreadme

```
Usage instructions
-----

You should define at least the following variables in a distro include file or local.conf

# Possible provider: cacao-initial-native and jamvm-initial-native
PREFERRED_PROVIDER_virtual/java-initial-native = "cacao-initial-native"

# Possible provider: cacao-native and jamvm-native
PREFERRED_PROVIDER_virtual/java-native = "jamvm-native"

# Optional since there is only one provider for now
PREFERRED_PROVIDER_virtual/javac-native = "ecj-bootstrap-native"

Simply rely on openjdk-7-jre, openjdk-7, openjdk-8 or openjre-8.

For conf/bblayers.conf you have to add

BBLAYERS ?= " \
    ...
    path_to_source/meta-openembedded/meta-oe \
    path_to_source/sources/meta-java \
"
```

#### 4READMEbuild/conf/local.conflocal.confkrogothreadme

```
# Possible provider: cacao-initial-native and jamvm-initial-native
PREFERRED_PROVIDER_virtual/java-initial-native = "cacao-initial-native"

# Possible provider: cacao-native and jamvm-native
PREFERRED_PROVIDER_virtual/java-native = "cacao-native"

# Optional since there is only one provider for now
PREFERRED_PROVIDER_virtual/javac-native = "ecj-bootstrap-native"
```

#### 5README,bbplayers.confBBLAYERS,meta-javakrogothreadme

```
BBLAYERS ?= " \
    ${OEROOT}/meta \
    ${OEROOT}/meta-poky \
    ${OEROOT}/../meta-phytec \
    ${OEROOT}/../meta-yogurt \
    ${OEROOT}/../meta-openembedded/meta-oe \
    ${OEROOT}/../meta-openembedded/meta-networking \
    ${OEROOT}/../meta-openembedded/meta-python \
    ${OEROOT}/../meta-openembedded/meta-multimedia \
    ${OEROOT}/../meta-qt5 \
    ${OEROOT}/../meta-java \
    ${OEROOT}/../meta-openembedded/meta-ruby \
"
```

#### 6build/conf/local.confopenjdk-8krogothreadme

```
IMAGE_INSTALL_append = " openjdk-8"
```

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**python, perl, qt**

build/conf/local.conf

```
IMAGE_INSTALL_append = " \
perl \
perl-module-base \
perl-module-findbin"
```

build/tmp/work/cortex..../perl/5.2.../packages-split/

configlocal.confqtbase.bb

```
PACKAGECONFIG_append_pn-qtbase = " sql-sqlite"
```

QTsqlite

build/conf/local.conf

```
PACKAGE_EXCLUDE = "package_name package_name package_name ..."
```

packagegroup

```
IMAGE_INSTALL_remove = "packagegroup-name ..."
```

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buildhistory/images/machine\_name/glibc/image\_name/image-info.txtpackagegroup

packagegroup-