# intel ®

## created in
## London

# What happens when a build fails

**Designers**
Belén Barros Pena

created in
London

| Date | Page number | Description |
|------|-------------|-------------|
| 14.02.2012 | n/a | Document created |

# What happens when a build fails
## Table of Contents

**Hob - Image creator**

**Hob cannot build your image** •——— 1

1 task failed: `gettext_0.18.1.1.bb, do_install` •——— 2

3 ——•

**Edit recipes**

**Create new image** •——— 4

**File a bug**

| Build configuration | Issues 99 | Log | |
|---|---|---|---|

1 task failed:

🔴 `/srv/home/pokybuild/yocto-autobuilder/yocto-slave/nightly-x86-64/build/meta/recipes-core/gettext/gettext_0.18.1.1.bb, do_install`

There were 98 warnings:

⚠️ Multiple .bb files are due to be built which each provide opkg. This usually means one provides something the other doesn't and should.

.bb files involved:
/home/user/poky-edison-6.0/meta/recipes-devtools/opkg/opkg-nogpg_svn.bb
/home/user/poky-edison-6.0/meta/recipes-devtools/opkg_svn.bb
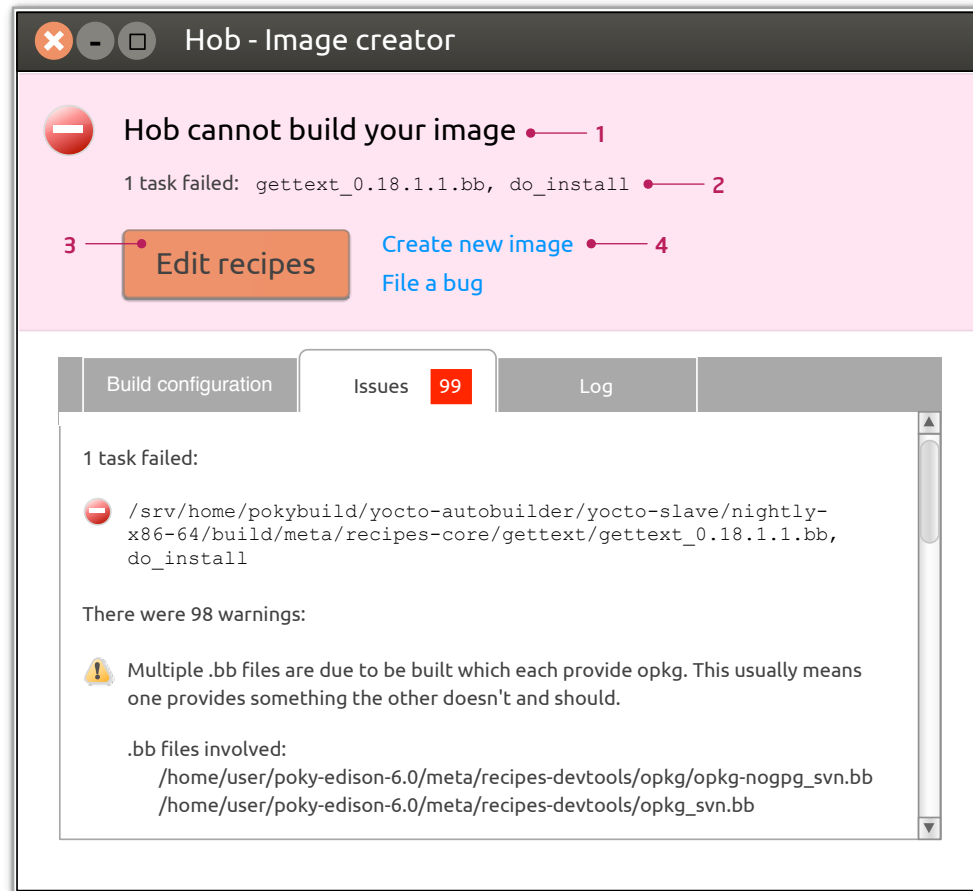
When a build fails, the 'Issues' tab in the 'Build in progress' screen is selected, and the toolbar is replaced by an error notification that includes the following elements:

1. A **heading** notifying that the building process has failed. When building an image, the heading says: "Hob cannot build your image". When building packages, the heading says: "Hob cannot build your packages".

2. A **brief explanation** of what happened, which includes some information about the error taken from the log (e.g. a file name and a task name).

3. A **primary action**, which brings the user back to the previous step. Since builds can start from from different screens, the primary action label changes:

- If building from the 'Image configuration' screen, the action label says: "Edit image configuration"
- If building from the 'Recipes' screen, the action label says: "Edit recipes"
- If building from the 'Packages' screen, the action label says: "Edit packages"

4. One or two **secondary actions** as follows:

- If building from the 'Image configuration' screen: "File a bug"
- If building from 'Recipes' screen or 'Packages' screen: "Create new image" and "File a bug"
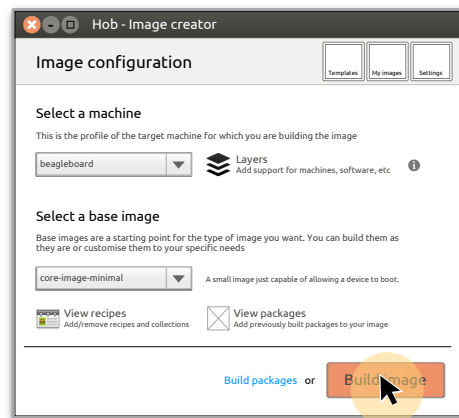
"Create new image" returns users to the 'Image configuration' screen with no machine selected.

"File a bug" opens a browser on http://bugzilla.yoctoproject.org

## 1. Image configuration



Once a machine and base image have been selected, click on 'Build image'.
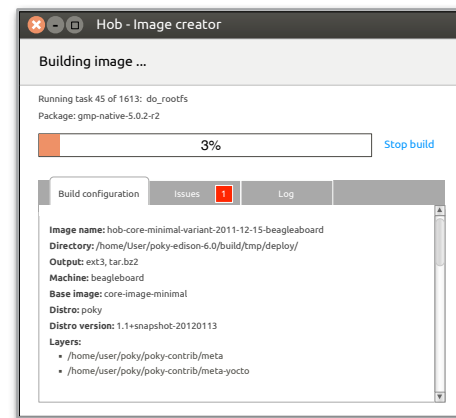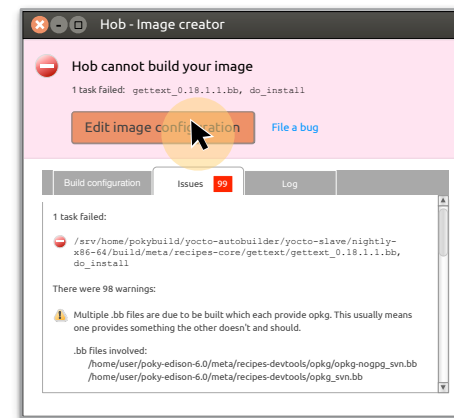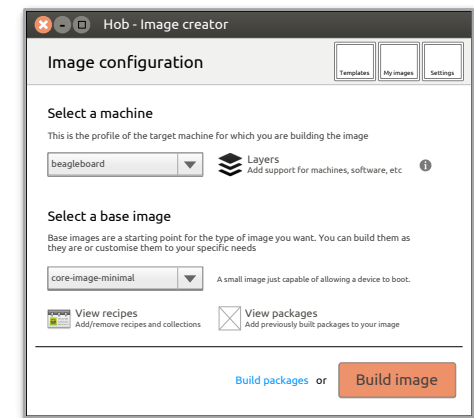
## 2. Build in progress



Image starts building. Information about the building process is provided in the 'Build in progress' screen.

## 3. Build fails



If the build fails, the 'Issues' tab is automatically selected. The toolbar is replaced by an error notification with primary action "Edit image configuration" and secondary action "File a bug".
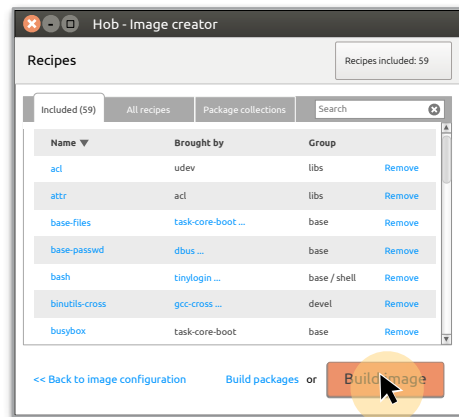
## 4. Back to image configuration



Click on "Edit image configuration" to go back to the 'Image configuration' screen.

## 4.1 Back to recipes



Click on "Edit recipes" to go back to the 'Recipes' screen.

### 1. Recipes



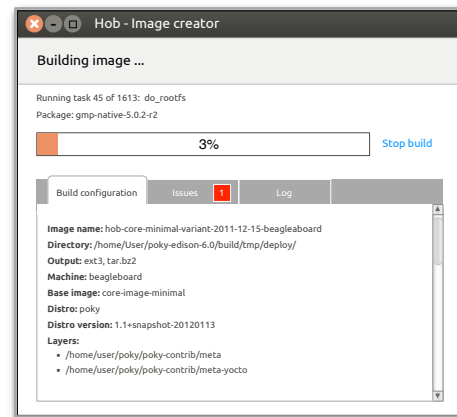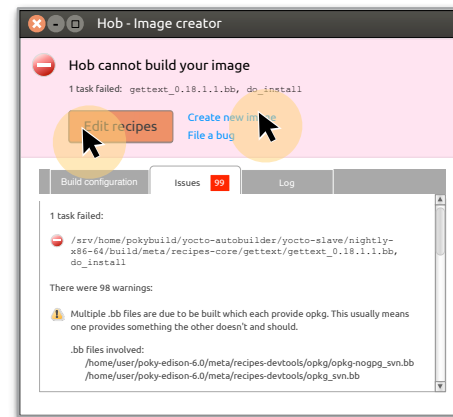In the 'Recipes' screen, click on 'Build image'.

### 2. Build in progress



Image starts building. Information about the building process is provided in the 'Build in progress screen'.

### 3. Build fails



If the build fails, the 'Issues' tab is automatically selected. The toolbar is replaced by an error notification with primary action "Edit recipes" and secondary actions "Create new image" and "File a bug".

## 4.2 To image configuration



Click on "Create new image" to go to the 'Image configuration' screen with no base image selected.

## 4.1 Back to packages

**Hob - Image creator**

Packages                          Packages included: 24
                                  Total image size:  6.7 MB

| Included (24) | All packages | By recipe | Search packages |

| Name ▼ | Brought by | Size | |
| --- | --- | --- | --- |
| acl | You | 248 KB | Remove |
| base-passwd | task-core-boot | 0 KB | Remove |
| busybox | task-core-boot | 652 KB | Remove |
| busybox-syslog | busybox | 20 KB | Remove |
| busybox-udhcpc | busybox | 40 KB | Remove |
| eglibc | tinylogin... | 3.4 MB | Remove |
| libacl | acl | 148 KB | Remove |

<< Back to image configuration

**Build image**

### 1. Packages

**Hob - Image creator**

Packages                          Packages included: 24
                                  Total image size:  6.7 MB

| Included (24) | All packages | By recipe | Search packages |

| Name ▼ | Brought by | Size | |
| --- | --- | --- | --- |
| acl | You | 248 KB | Remove |
| base-passwd | task-core-boot | 0 KB | Remove |
| busybox | task-core-boot | 652 KB | Remove |
| busybox-syslog | busybox | 20 KB | Remove |
| busybox-udhcpc | busybox | 40 KB | Remove |
| eglibc | tinylogin... | 3.4 MB | Remove |
| libacl | acl | 148 KB | Remove |

<< Back to image configuration

**Build image**

In the 'Packages' screen, click on 'Build image'.

### 2. Build in progress

**Hob - Image creator**

Building image ...

Running task 45 of 1613: do_rootfs
Package: gmp-native-5.0.2-r2

3%                               Stop build

| Build configuration | Issues 1 | Log |

**Image name:** hob-core-minimal-variant-2011-12-15-beagleaboard
**Directory:** /home/User/poky-edison-6.0/build/tmp/deploy/
**Output:** ext3, tar.bz2
**Machine:** beagleboard
**Base image:** core-image-minimal
**Distro:** poky
**Distro version:** 1.1+snapshot-20120113
**Layers:**
  • /home/user/poky/poky-contrib/meta
  • /home/user/poky/poky-contrib/meta-yocto

Image starts building. Information about the building process is provided in the 'Build in progress screen'

### 3. Build fails

**Hob - Image creator**

Hob cannot build your image

1 task failed: gettext_0.18.1.1.bb, do_install

**Edit packages**          Create new image
                           File a bug

| Build configuration | Issues 99 | Log |

1 task failed:

    /srv/home/pokybuild/yocto-autobuilder/yocto-slave/nightly-
    x86-64/build/meta/recipes-core/gettext/gettext_0.18.1.1.bb,
    do_install

There were 98 warnings:

    Multiple .bb files are due to be built which each provide opkg. This usually means
    one provides something the other doesn't and should.

    .bb files involved:
        /home/user/poky-edison-6.0/meta/recipes-devtools/opkg/opkg-nogpg_svn.bb
        /home/user/poky-edison-6.0/meta/recipes-devtools/opkg_svn.bb

If the build fails, the 'Issues' tab is automatically selected. The toolbar is replaced by an error notification with primary action "Edit packages" and secondary actions "Create new image" and "File a bug"

Click on "Edit packages" to go back to the 'Packages' screen.

### 4.2 To image configuration

**Hob - Image creator**

Image configuration                    Templates  My images  Settings

**Select a machine**
This is the profile of the target machine for which you are building the image

-- select a machine --    ▼     Layers
                                Add support for machines, software, etc

Click on "Create new image" to go to the 'Image configuration' screen with no base image selected.

## 1. Image configuration



Once a machine and base image have been
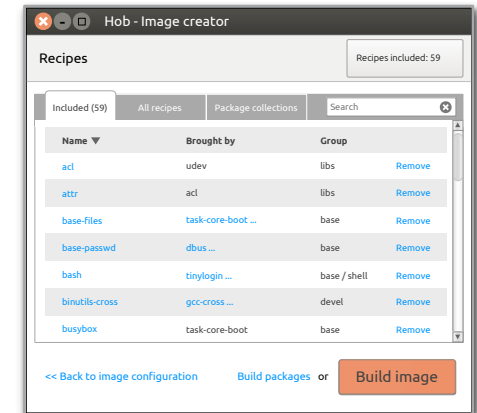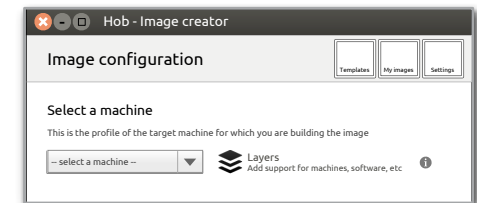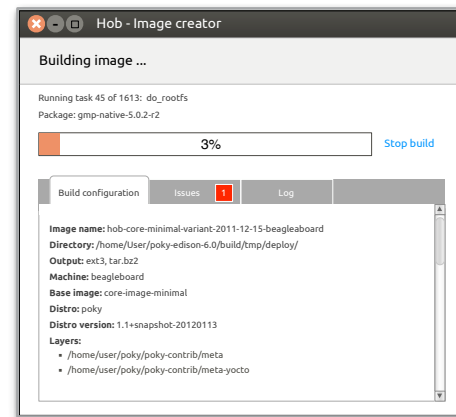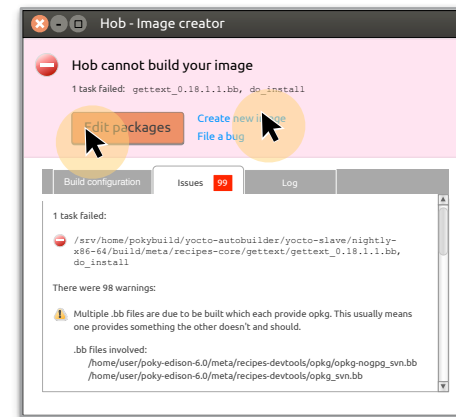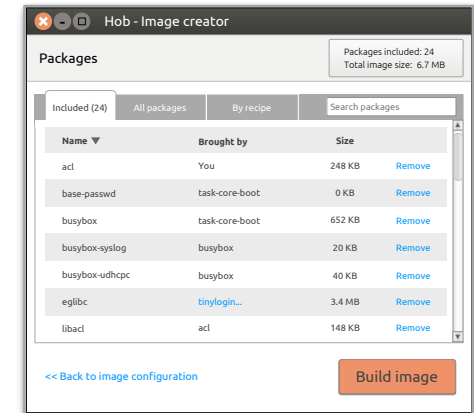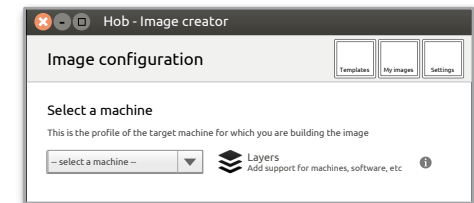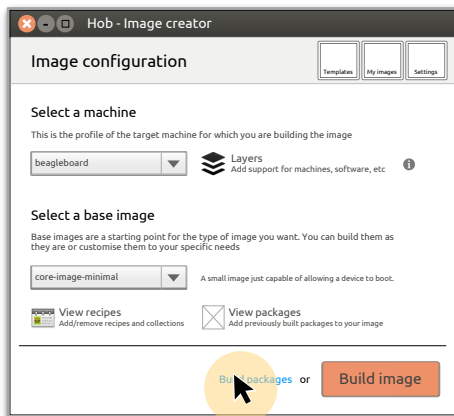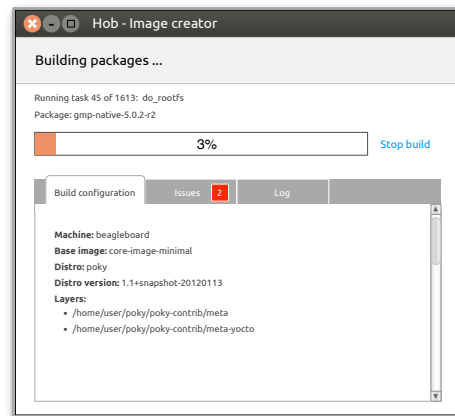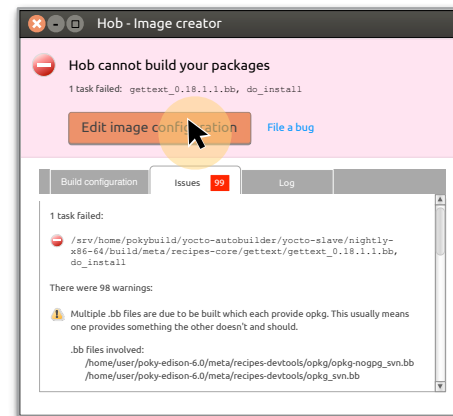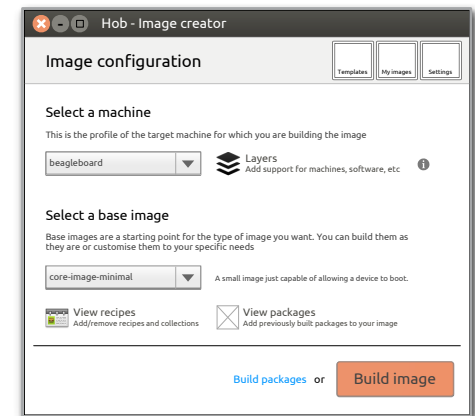selected, click on 'Build packages'.

## 2. Build in progress



Packages start building. Information about the
building process is provided in the 'Build in
progress screen'.

## 3. Build fails



If the build fails, the 'Issues' tab is automatically
selected. The toolbar is replaced by an error
notification with primary action "Edit image
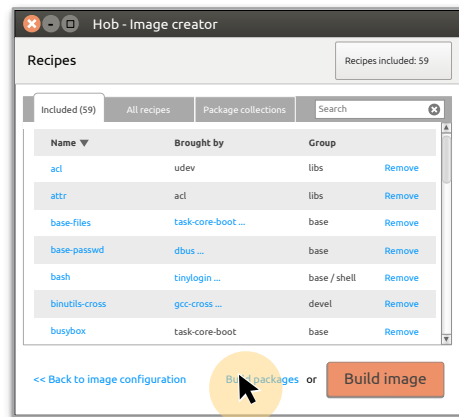configuration" and secondary action "File a bug".

## 4 Back to image configuration



Click on "Edit image configuration" to go back to
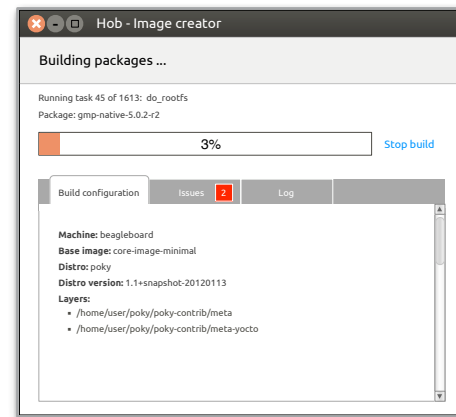the 'Image configuration' screen.

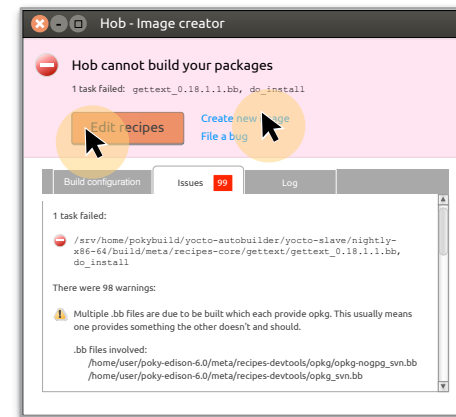# Building packages from the 'Recipes' screen

## 1. Recipes



In the 'Recipes' screen, click on 'Build packages'.

## 2. Build in progress



Packages start building. Information about the building process is provided in the 'Build in progress screen'.
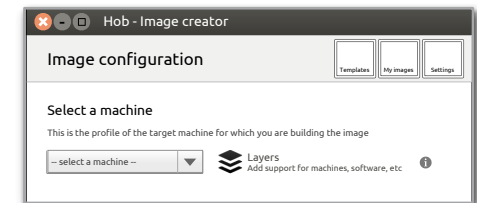
## 3. Build fails



If the build fails, the 'Issues' tab is automatically selected. The toolbar is replaced by an error notification with primary action "Edit recipes" and secondary actions "Create new image" and "File a bug".

## 4.1 Back to recipes
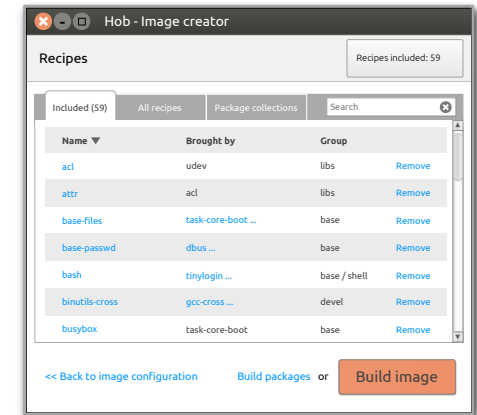


Click on "Edit recipes" to go back to the 'Recipes' screen.

## 4.2 To image configuration



Click on "Create new image" to go to the 'Image configuration' screen with no base image selected.