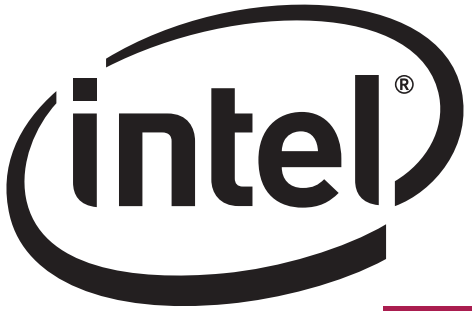

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Hob 1.2 screens and dialogues

Designers
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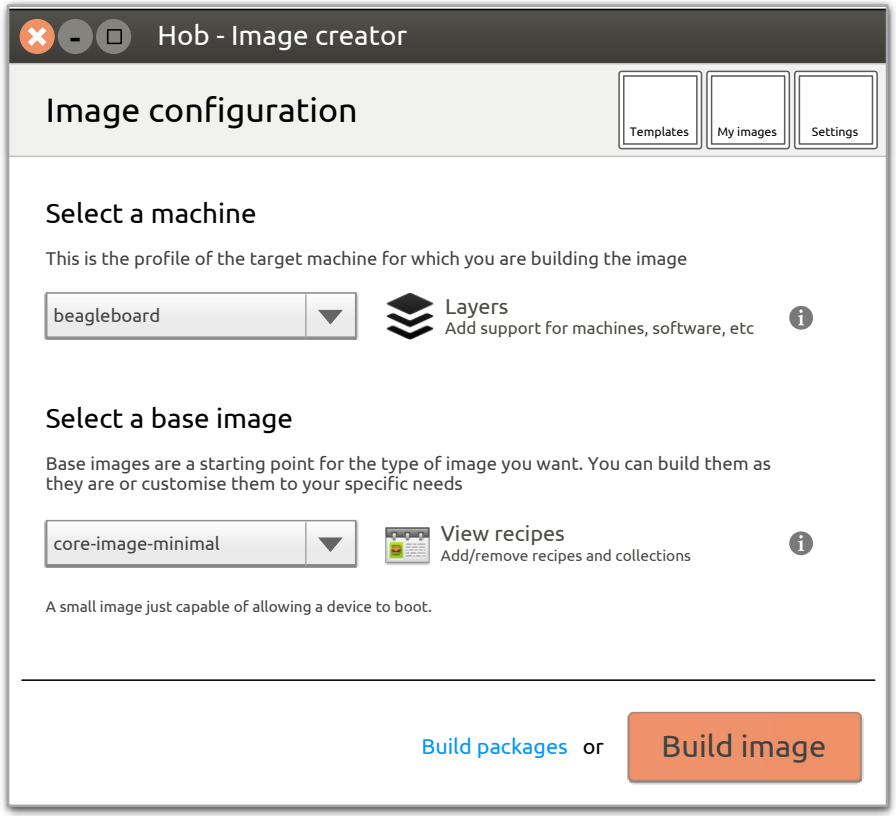
created in London

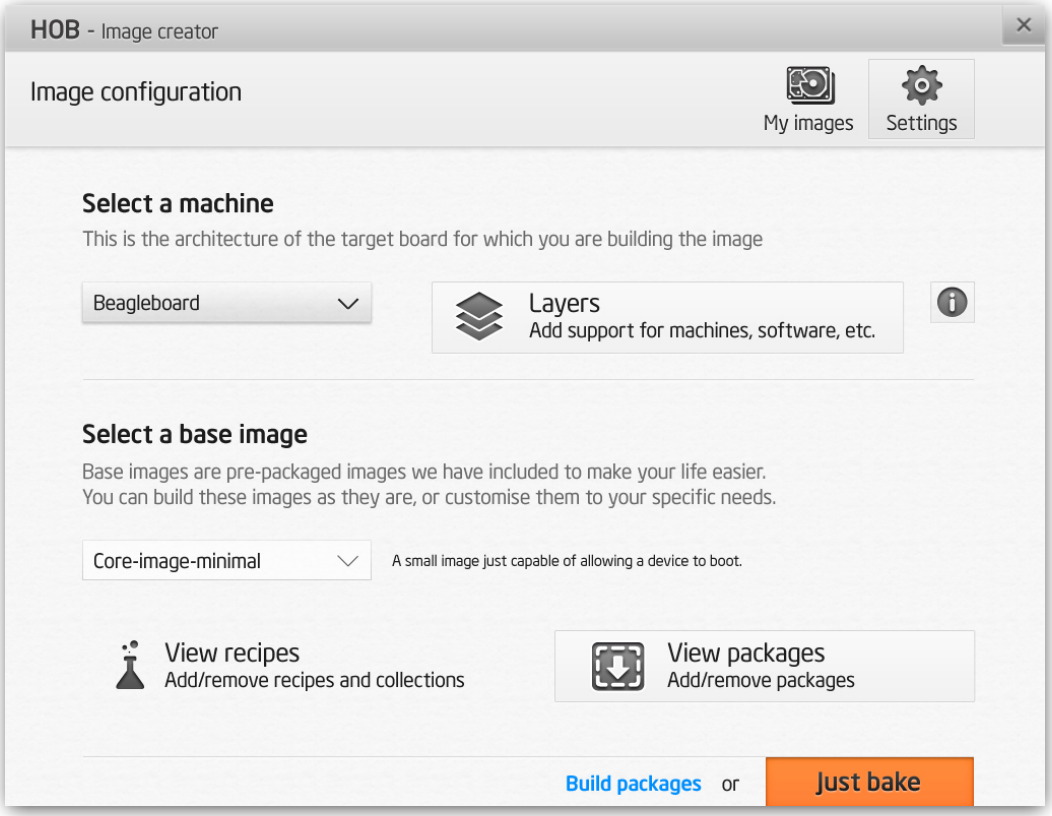
Screens 3
Image configuration 4
Recipes 5
Building 11
Packages 14
Image details 19
Dialogues 20
Settings dialogue 21
Layers dialogue 24

Hob 1.2 is made of a series of screens, each of them representing one of the main steps of the image building process. These screens display, one at a time, in the main Hob 1.2 application window.

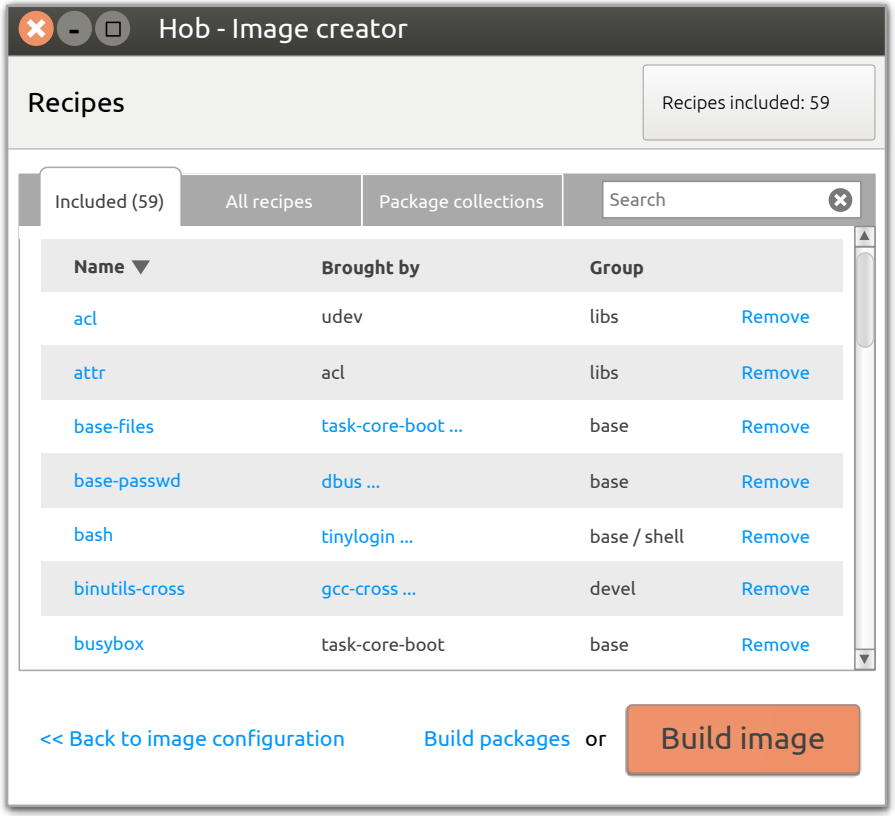
Below is a list of screens:

- Image configuration
- Recipes
- Build in progress. There are 2 versions of this screen, 1. Building packages and 2. Building image
- Packages
- Image details


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
beagleboard
Layers
Add support for machines, software, etc
Select a base image
Base images are a starting point for the type of image you want. You can build them as they are or customise them to your specific needs
core-image-minimal
View recipes
Add/remove recipes and collections
A small image just capable of allowing a device to boot.
Build packages
or
Build image


HOB - Image creator
Image configuration
My images
Settings
Select a machine
This is the architecture of the target board for which you are building the image
Beagleboard
Layers
Add support for machines, software, etc.
Select a base image
Base images are pre-packaged images we have included to make your life easier.
You can build these images as they are, or customise them to your specific needs.
Core-image-minimal
A small image just capable of allowing a device to boot.
View recipes
Add/remove recipes and collections
View packages
Add/remove packages
Build packages
or
Just bake

1 Included


Hob - Image creator
Recipes
Recipes included: 59
Included (59)
All recipes
Package collections
Search
Name
Brought by
Group
acl udev libs Remove
attr acl libs Remove
base-files task-core-boot ... base Remove
base-passwd dbus ... base Remove
bash tinylogin ... base / shell Remove
binutils-cross gcc-cross ... devel Remove
busybox task-core-boot base Remove
<< Back to image configuration
Build packages
or
Build image

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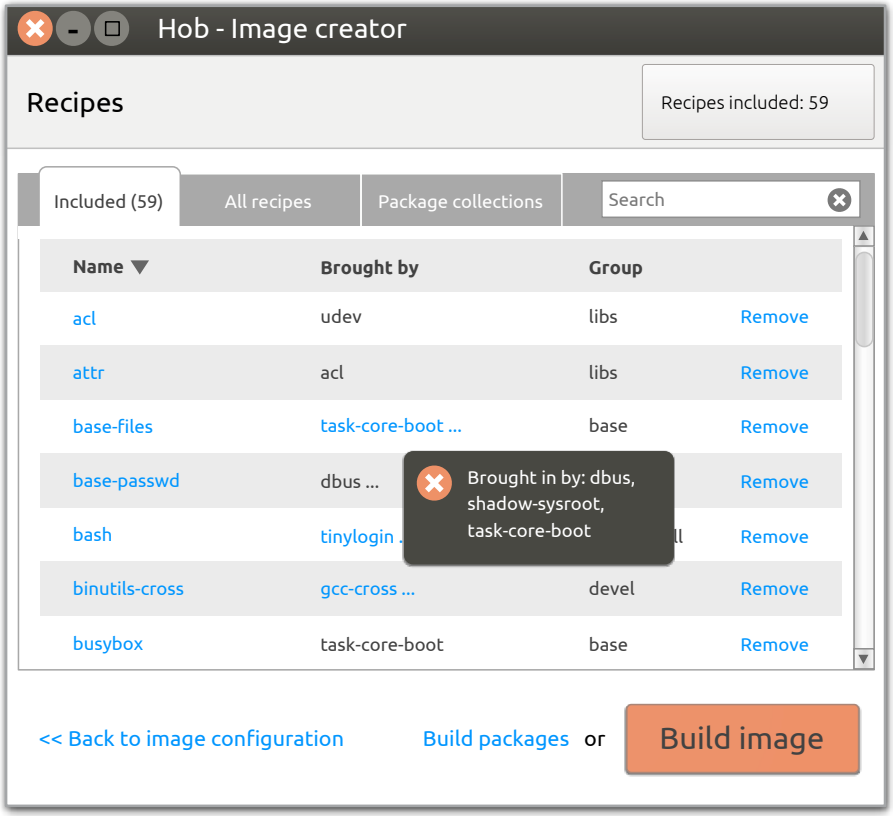
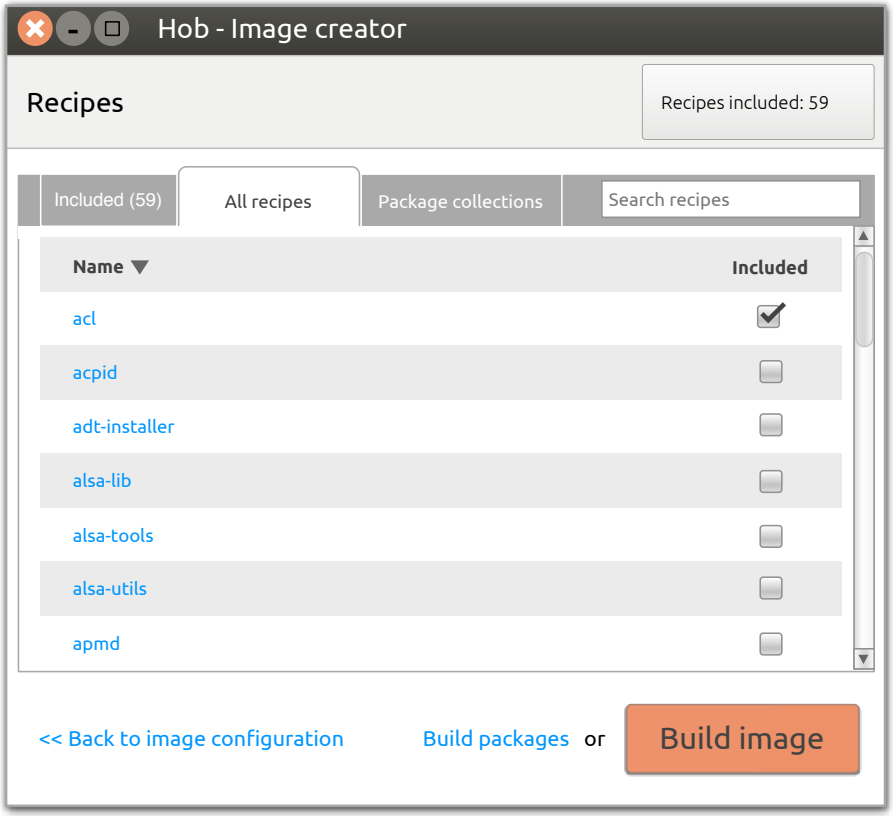
2 'Brought by' details



3 All recipes



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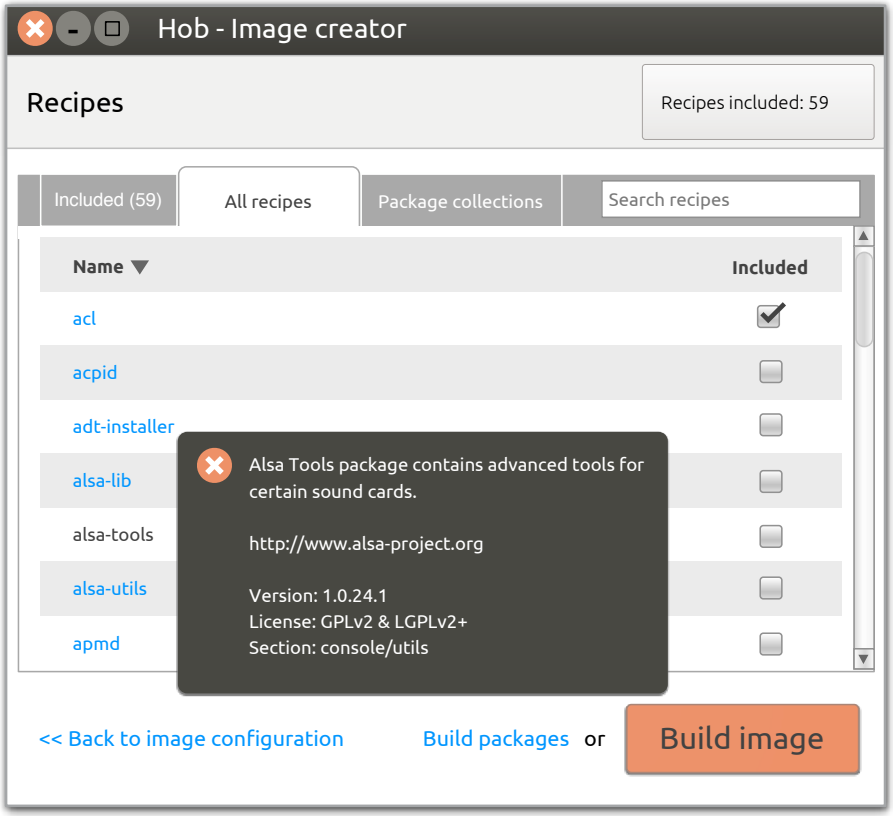
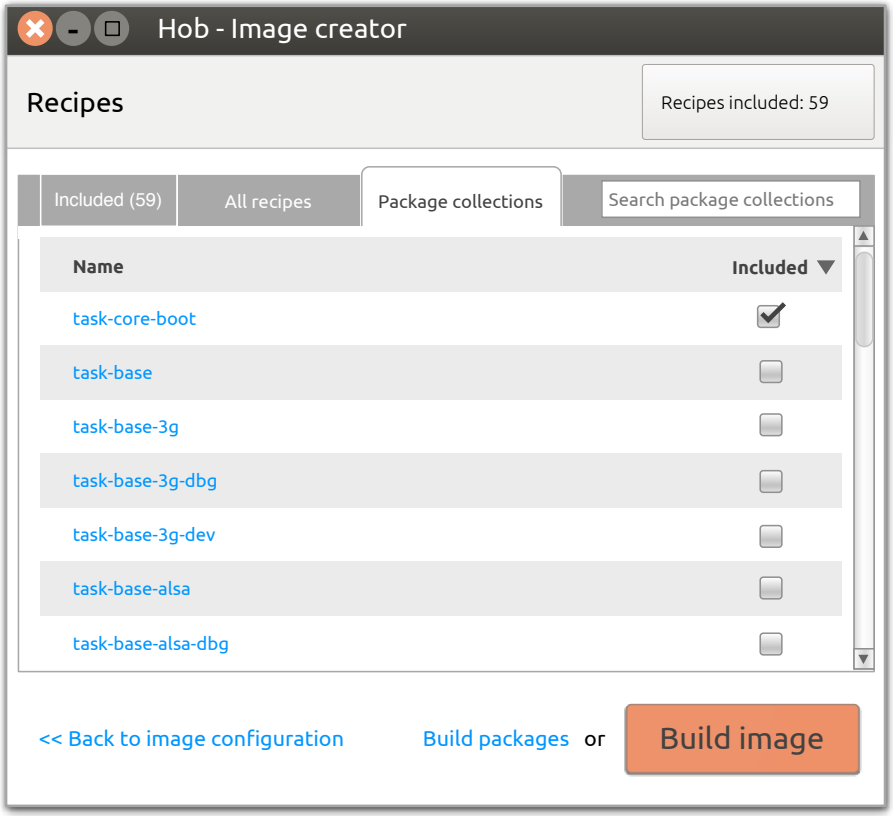
4 Recipe details



created in London

5 Package collections



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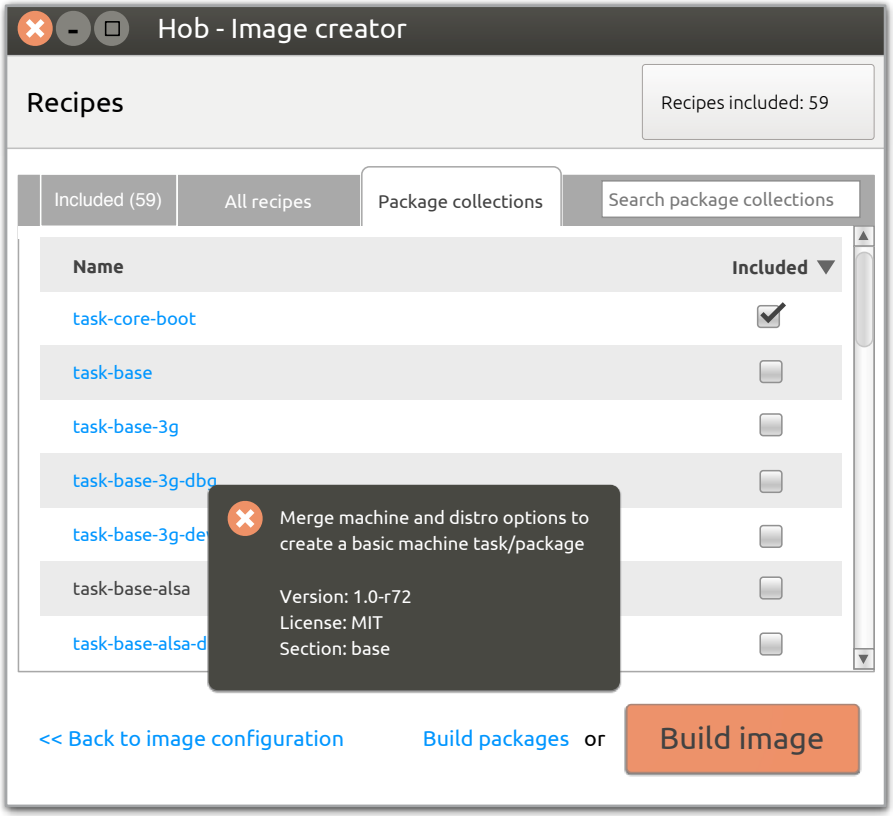
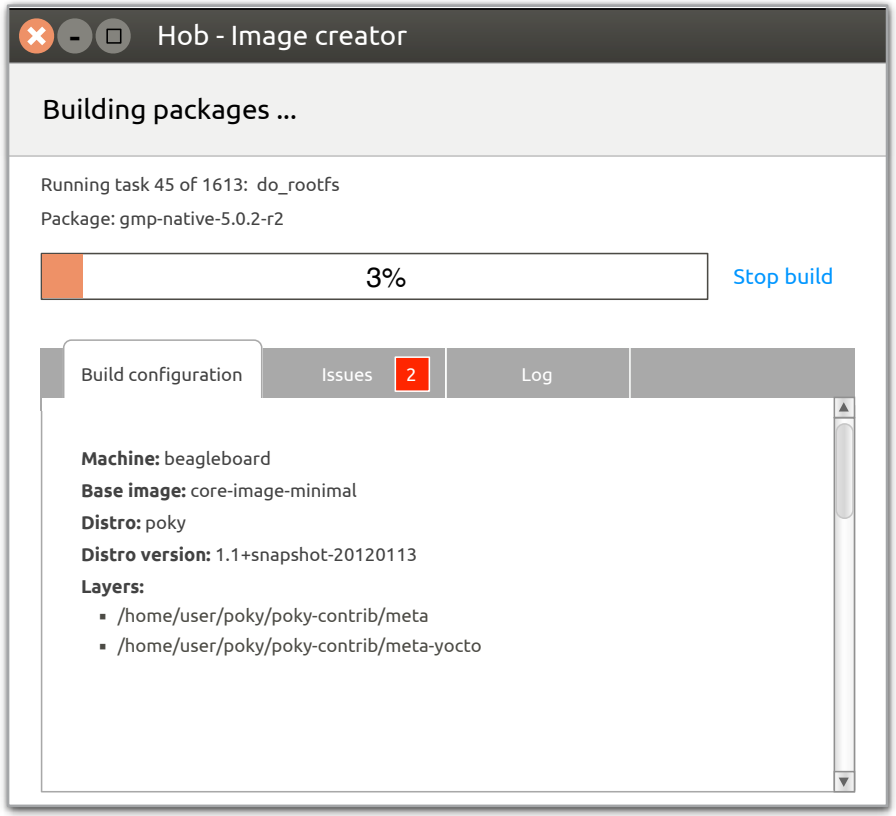
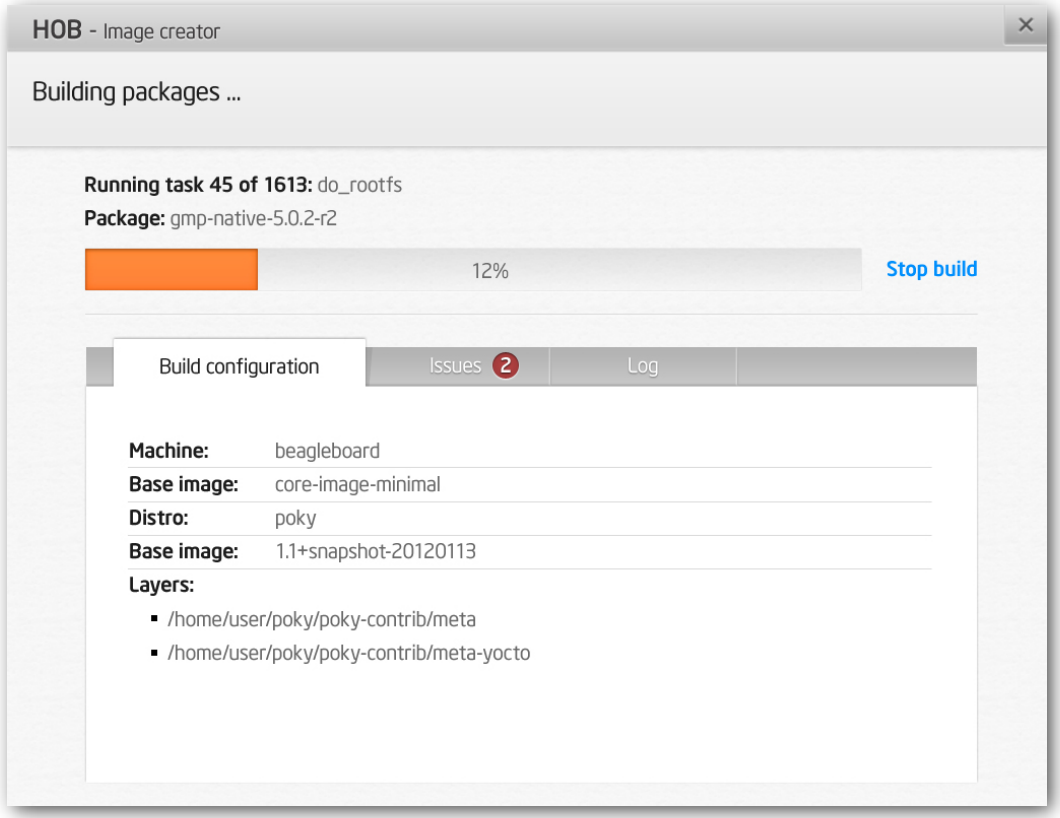
6 Package collection details

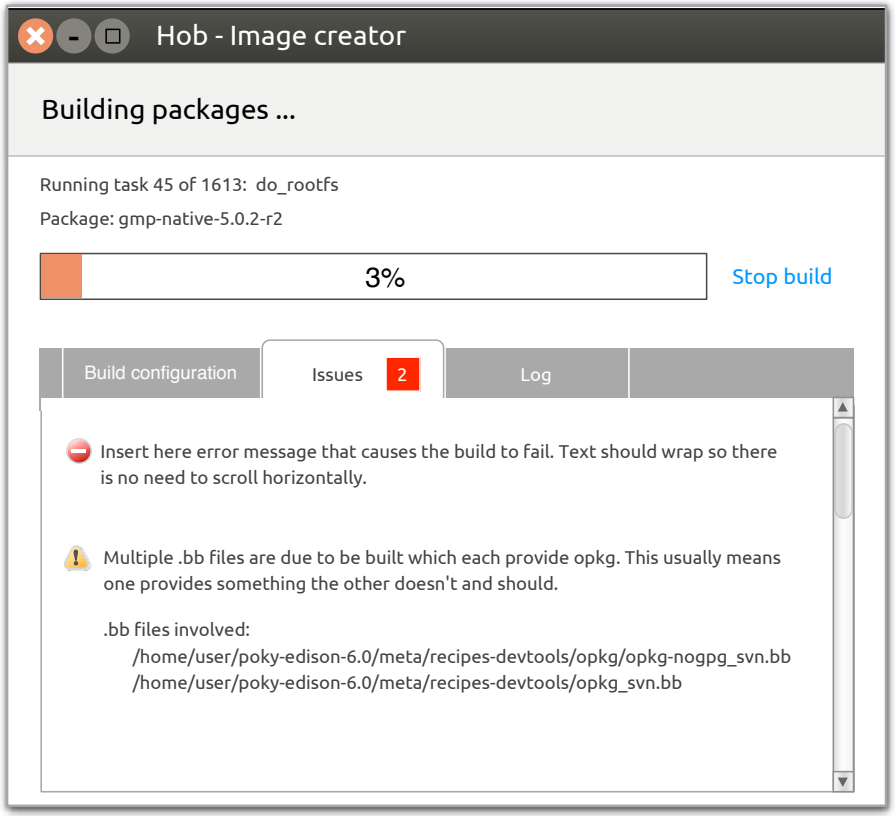


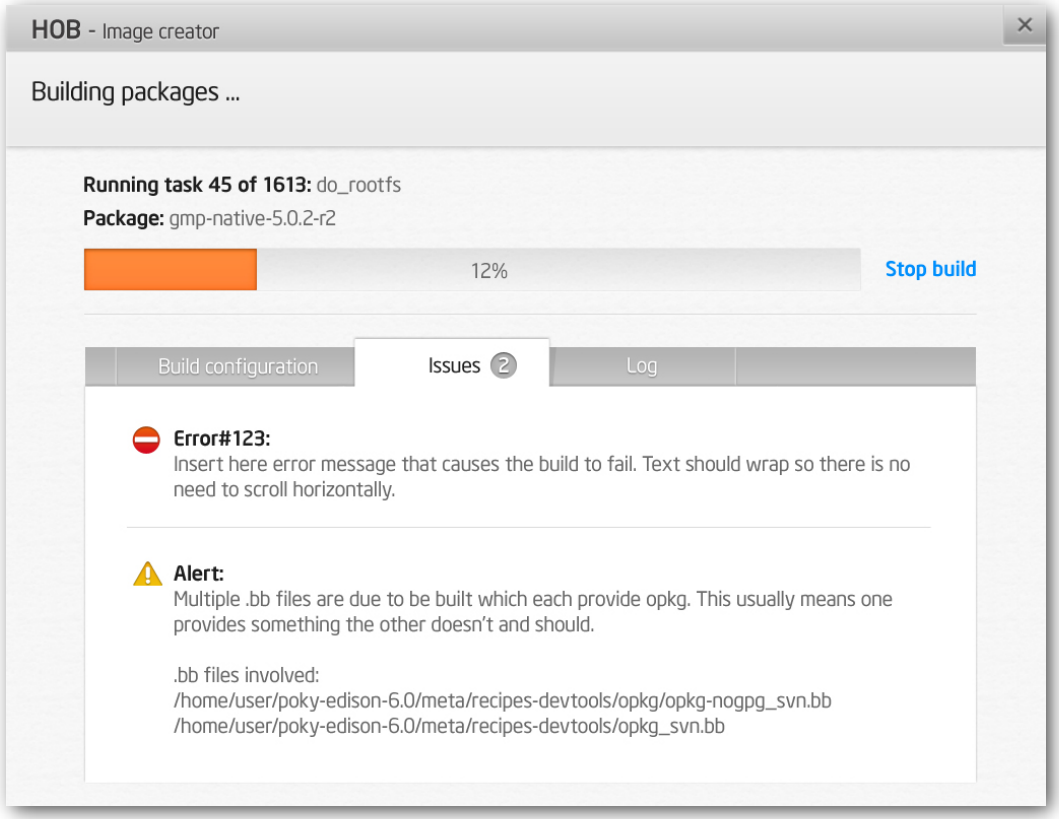
1 Build configuration detals



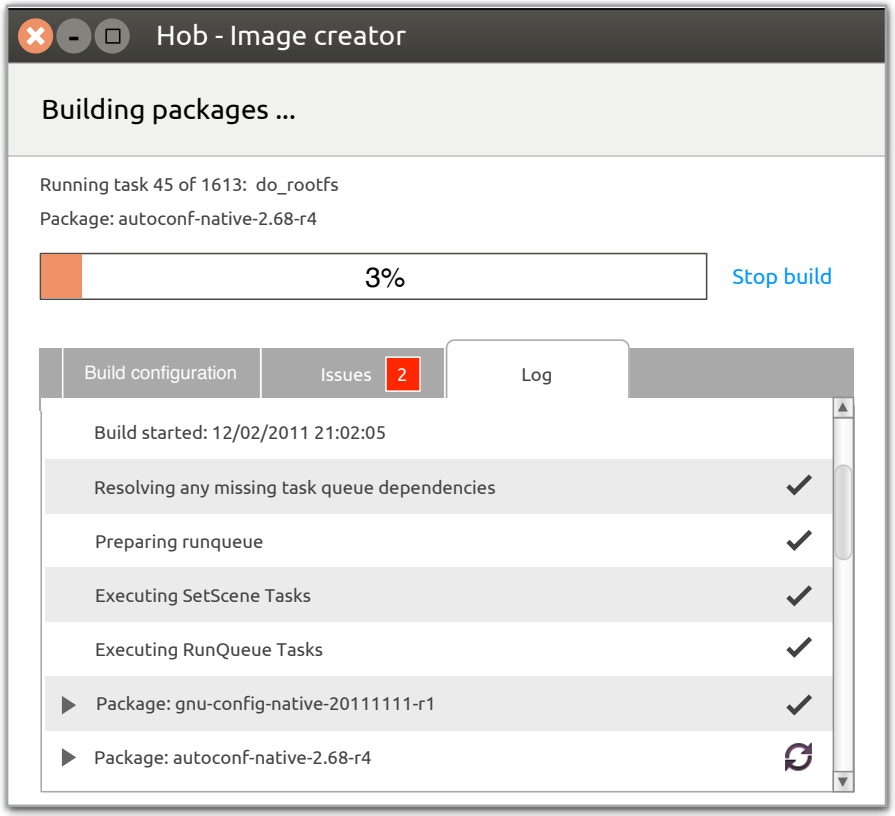


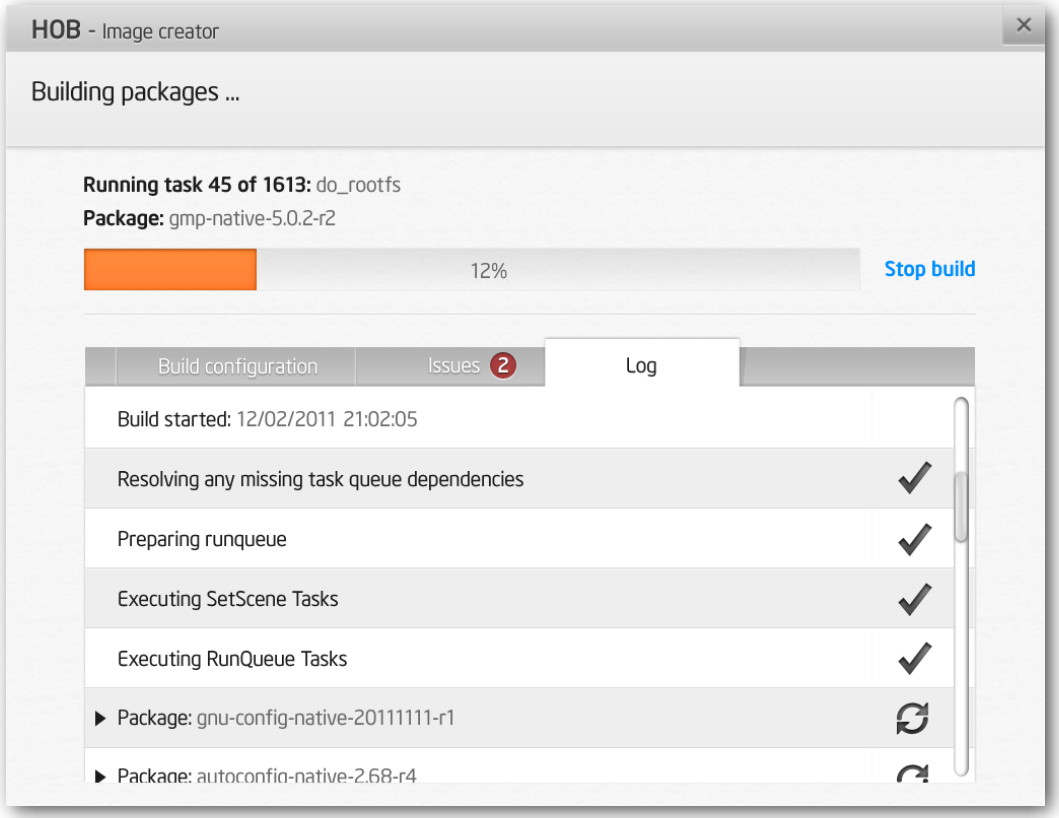
2 Issues


Hob - Image creator
Building packages ...
Running task 45 of 1613: do_rootfs
Package: gmp-native-5.0.2-r2
3%
Stop build
Build configuration
Issues 2
Log
Insert here error message that causes the build to fail. Text should wrap so there is no need to scroll horizontally.
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

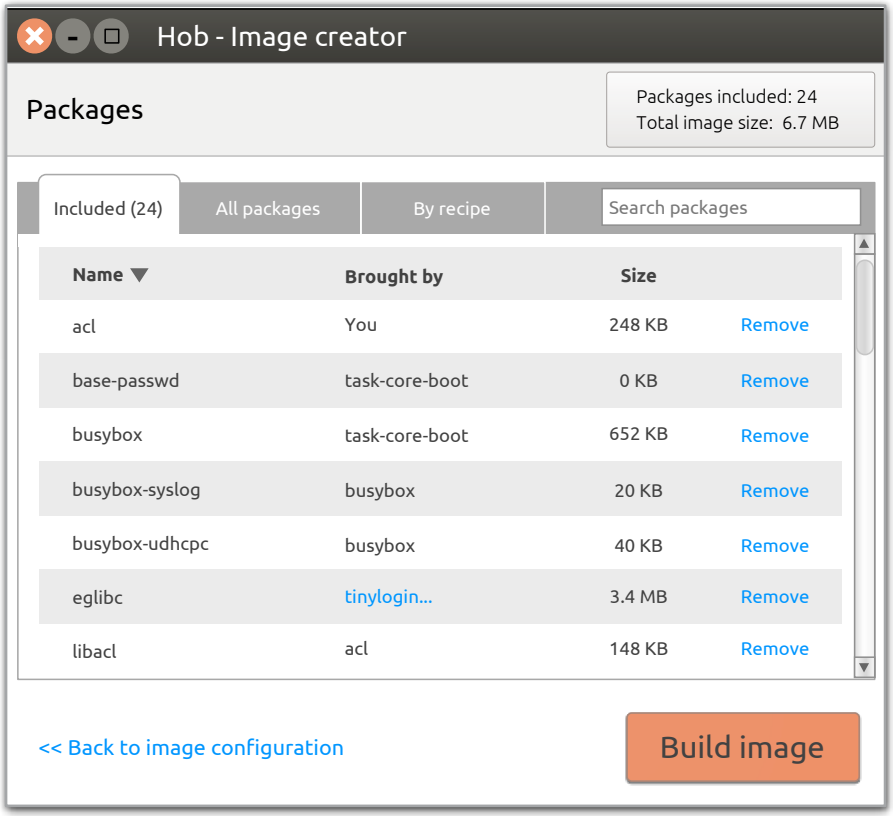

HOB - Image creator
Building packages ...
Running task 45 of 1613: do_rootfs
Package: gmp-native-5.0.2-r2
12%
Stop build
Build configuration
Issues 2
Log
Error#123:
Insert here error message that causes the build to fail. Text should wrap so there is no need to scroll horizontally.
Alert:
Multiple .bb 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

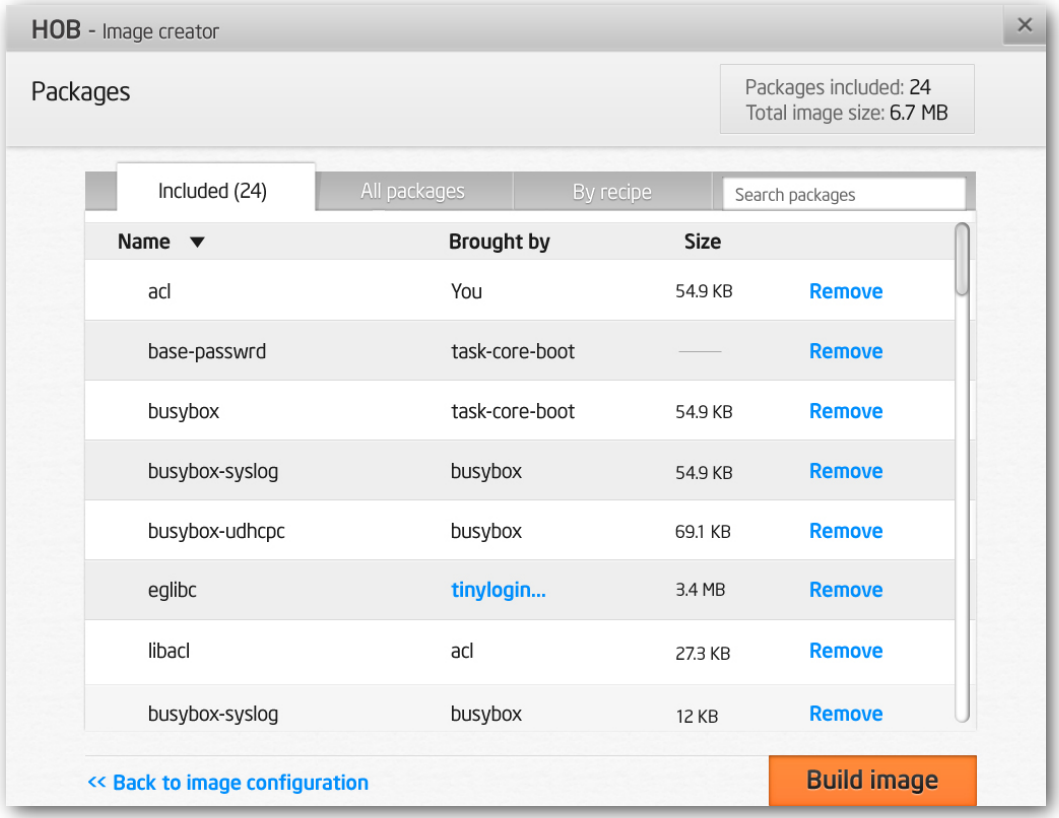
3 Log


Hob - Image creator
Building packages ...
Running task 45 of 1613: do_rootfs
Package: autoconf-native-2.68-r4
3%
Stop build
Build configuration
Issues 2
Log
Build started: 12/02/2011 21:02:05
Resolving any missing task queue dependencies
Preparing runqueue
Executing SetScene Tasks
Executing RunQueue Tasks
Package: gnu-config-native-20111111-r1
Package: autoconf-native-2.68-r4

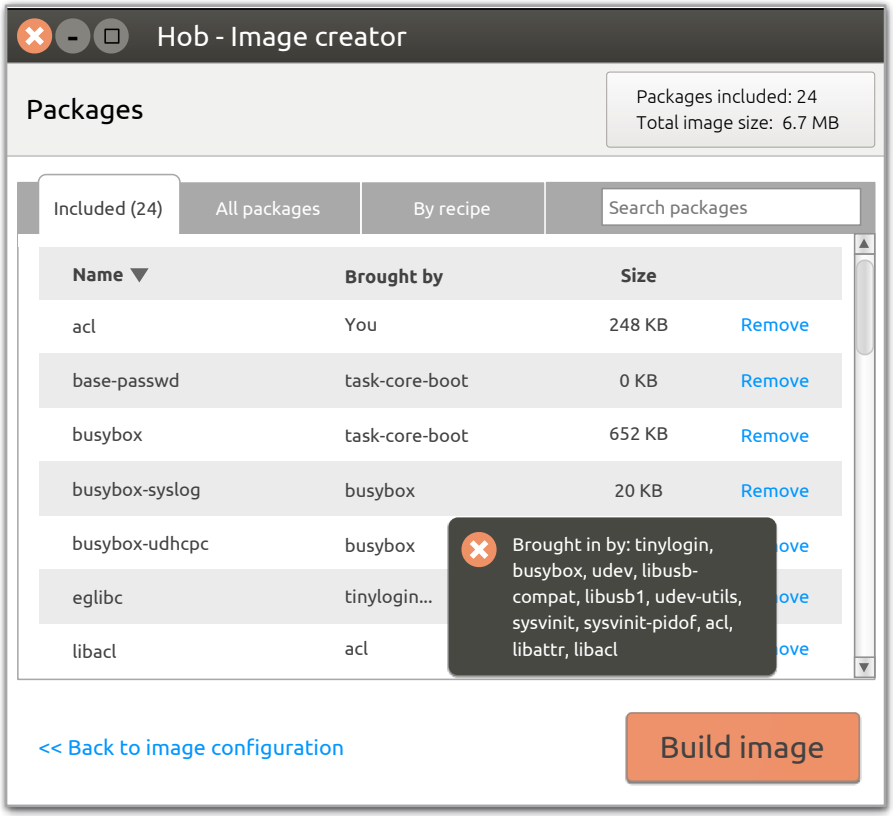

HOB - Image creator
Building packages ...
Running task 45 of 1613: do_rootfs
Package: gmp-native-5.0.2-r2
12%
Stop build
Build configuration
Issues 2
Log
Build started: 12/02/2011 21:02:05
Resolving any missing task queue dependencies
Preparing runqueue
Executing SetScene Tasks
Executing RunQueue Tasks
Package: gnu-config-native-20111111-r1
Package: autoconfig-native-2.68-r4

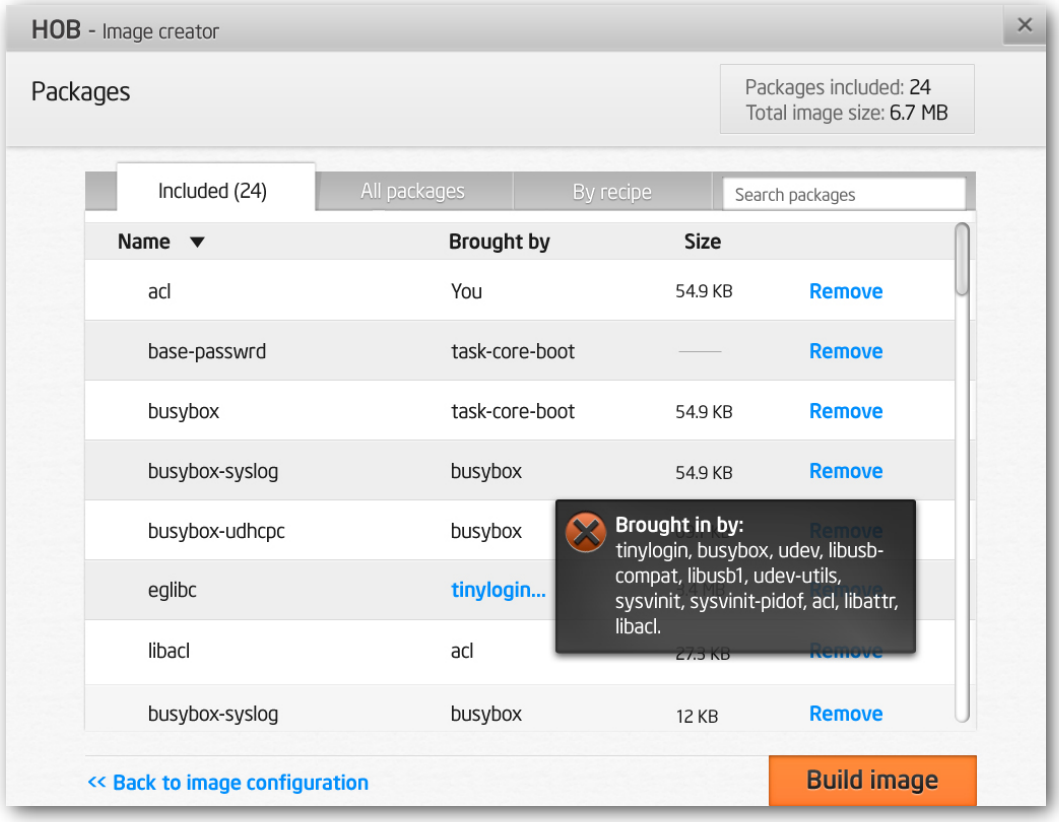
1 Included


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

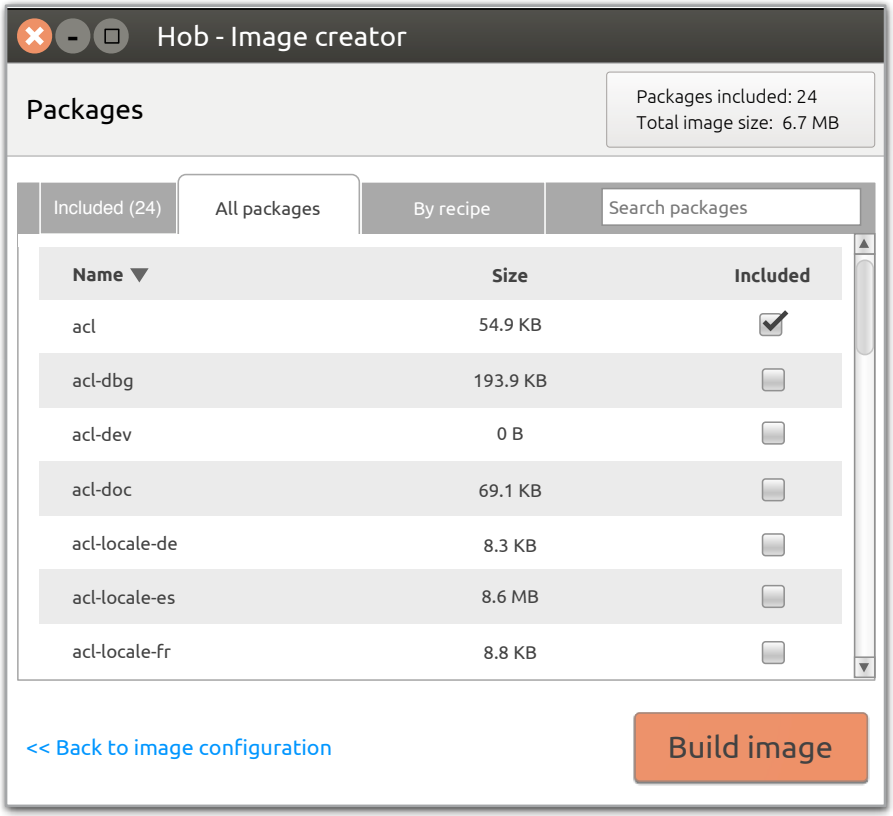

HOB - Image creator
Packages
Packages included: 24
Total image size: 6.7 MB
Included (24)
All packages
By recipe
Search packages
Name
Brought by
Size
acl You 54.9 KB Remove
base-passwrd task-core-boot Remove
busybox task-core-boot 54.9 KB Remove
busybox-syslog busybox 54.9 KB Remove
busybox-udhcpc busybox 69.1 KB Remove
eglibc tinylogin... 3.4 MB Remove
libacl acl 27.3 KB Remove
busybox-syslog busybox 12 KB Remove
<< Back to image configuration
Build image

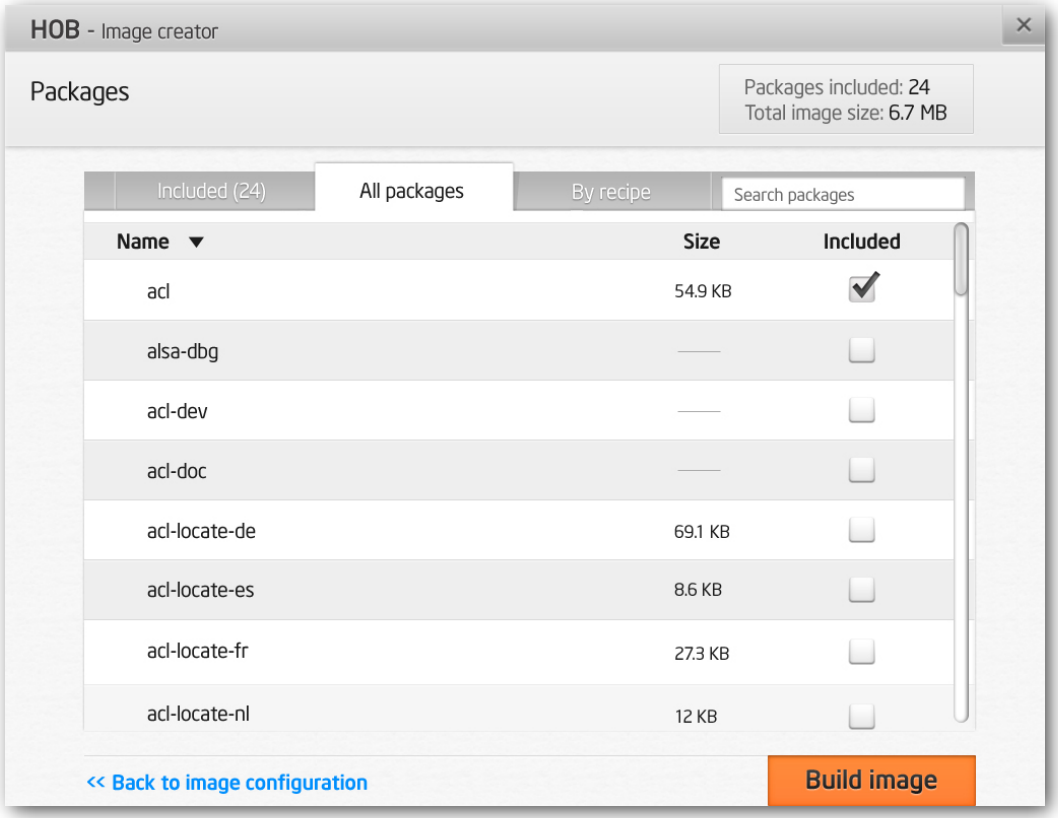
2 'Brought by' details



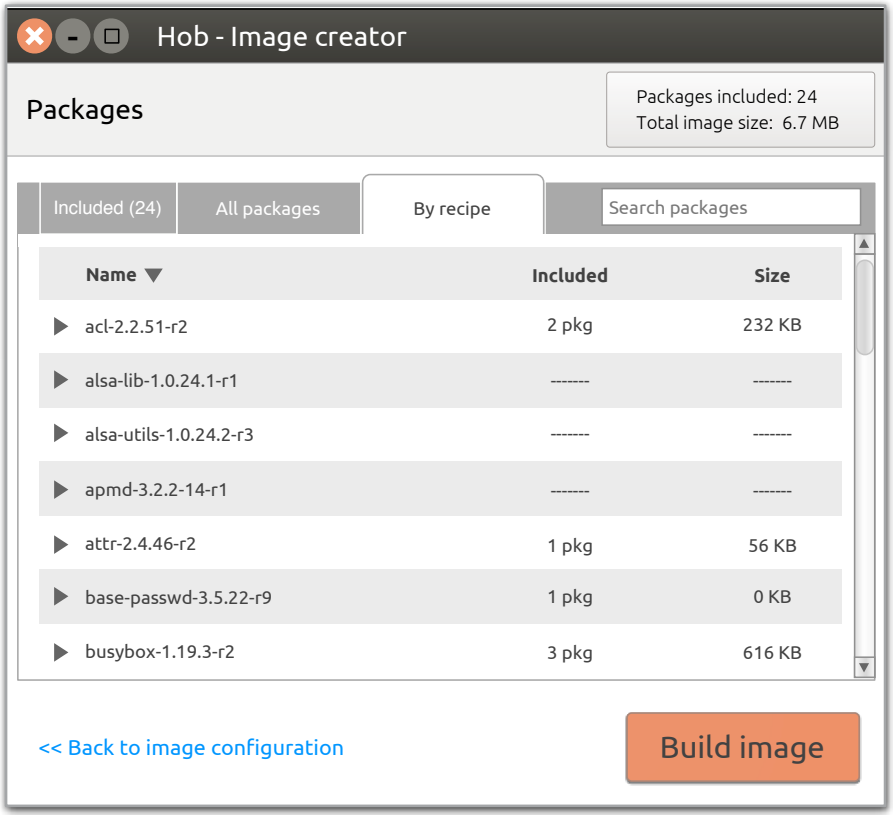


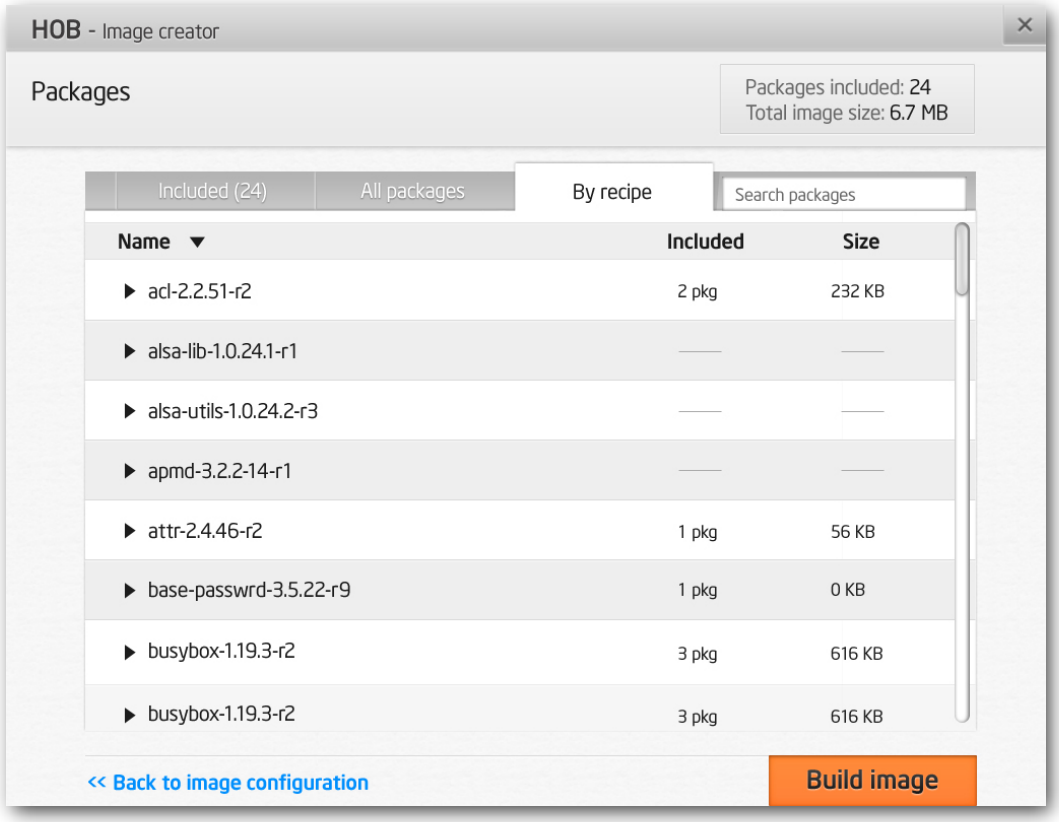
3 All packages



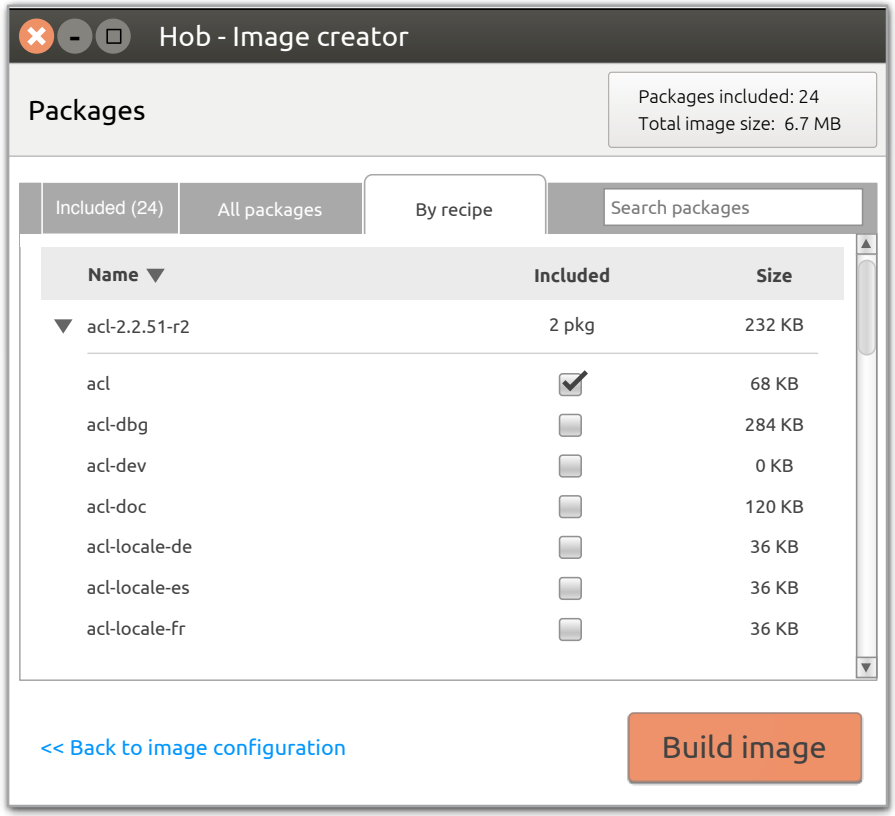


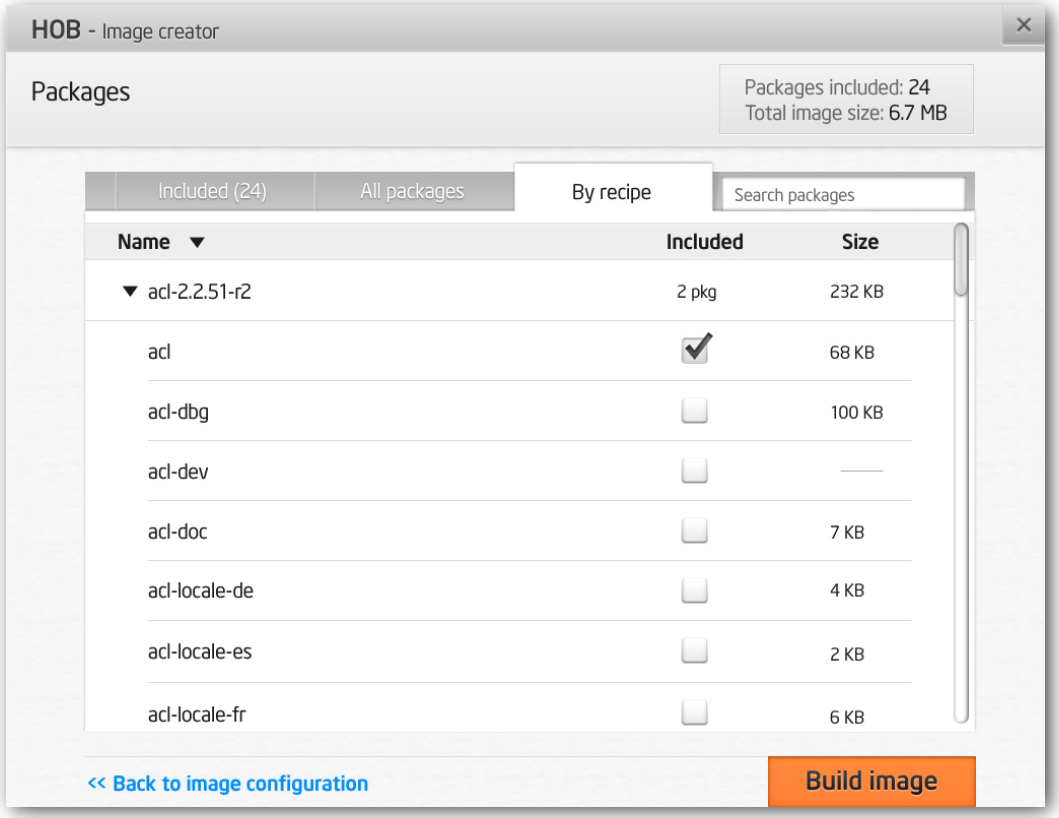
4 By recipe

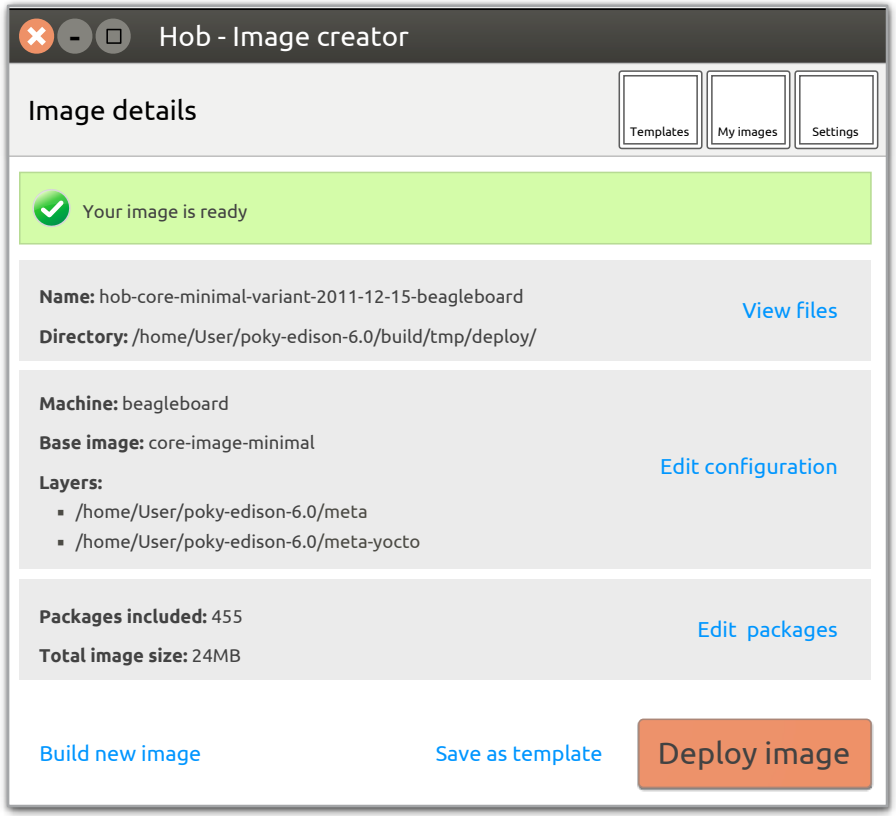

Hob - Image creator
Packages
Packages included: 24
Total image size: 6.7 MB
Included (24)
All packages
By recipe
Search packages
Name
Included
Size
acl-2.2.51-r2 2 pkg 232 KB
alsa-lib-1.0.24.1-r1 ------- -------
alsa-utils-1.0.24.2-r3 ------- -------
apmd-3.2.2-14-r1 ------- -------
attr-2.4.46-r2 1 pkg 56 KB
base-passwd-3.5.22-r9 1 pkg 0 KB
busybox-1.19.3-r2 3 pkg 616 KB
<< Back to image configuration
Build image


HOB - Image creator
Packages
Packages included: 24
Total image size: 6.7 MB
Included (24)
All packages
By recipe
Search packages
Name
Included
Size
acl-2.2.51-r2 2 pkg 232 KB
alsa-lib-1.0.24.1-r1
alsa-utils-1.0.24.2-r3
apmd-3.2.2-14-r1
attr-2.4.46-r2 1 pkg 56 KB
base-passwrd-3.5.22-r9 1 pkg 0 KB
busybox-1.19.3-r2 3 pkg 616 KB
busybox-1.19.3-r2 3 pkg 616 KB
<< Back to image configuration
Build image

5 By recipe (expanded)






Hob - Image creator
Image details
Templates
My images
Settings
Your image is ready
Name: hob-core-minimal-variant-2011-12-15-beagleboard
Directory: /home/User/poky-edison-6.0/build/tmp/deploy/
View files
Machine: beagleboard
Base image: core-image-minimal
Layers:
/home/User/poky-edison-6.0/meta
/home/User/poky-edison-6.0/meta-yocto
Edit configuration
Packages included: 455
Total image size: 24MB
Edit packages
Build new image
Save as template
Deploy image

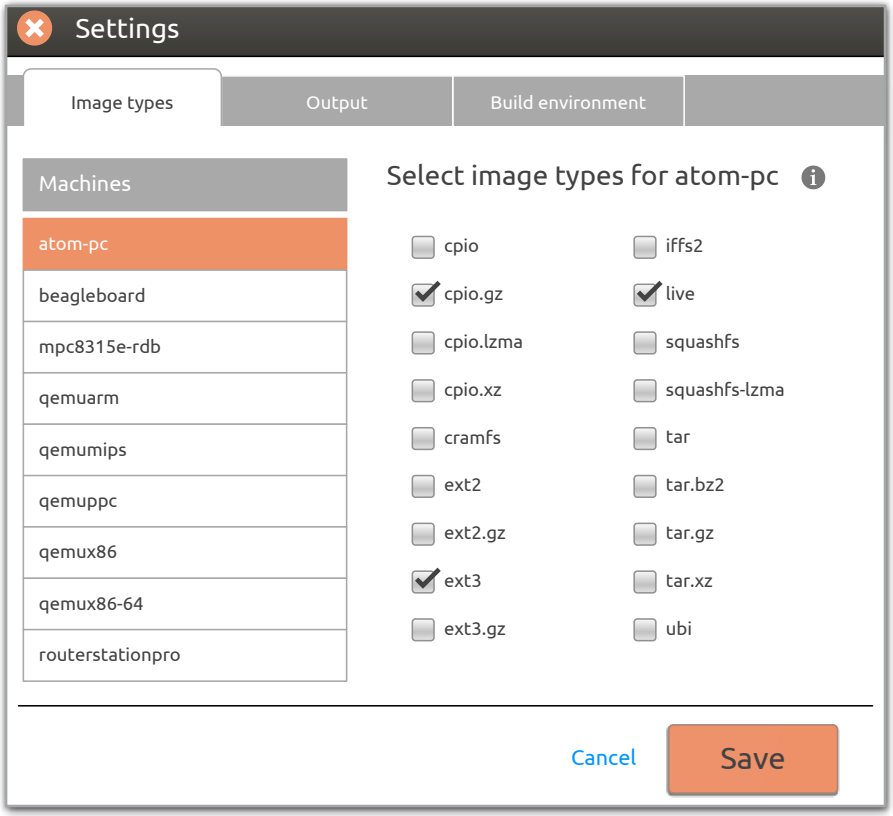
HOB - Image creator
Image details
Templates
My images
Settings
Your image is ready
Name: hob-core-minimal-variant-2011-12-15-beagleboard
Directory: /home/User/poky-edison-6.0/build/tmp/deploy
View files
Machine: beagleboard
Base image: core-image-minimal
Layers:
/home/User/poky-edison-6.0/meta
/home/User/poky-edison-6.0/meta-yocto
Edit configuration
Package included: 455
Total image size: 24 MB
Edit packages
Build new image
Save as template
Deploy image

Hob 1.2 also includes 2 dialogues, which encapsulate specific pieces of functionality.

Below is a list of the dialogues:

- Settings
- Layers

1 'Image types' tab



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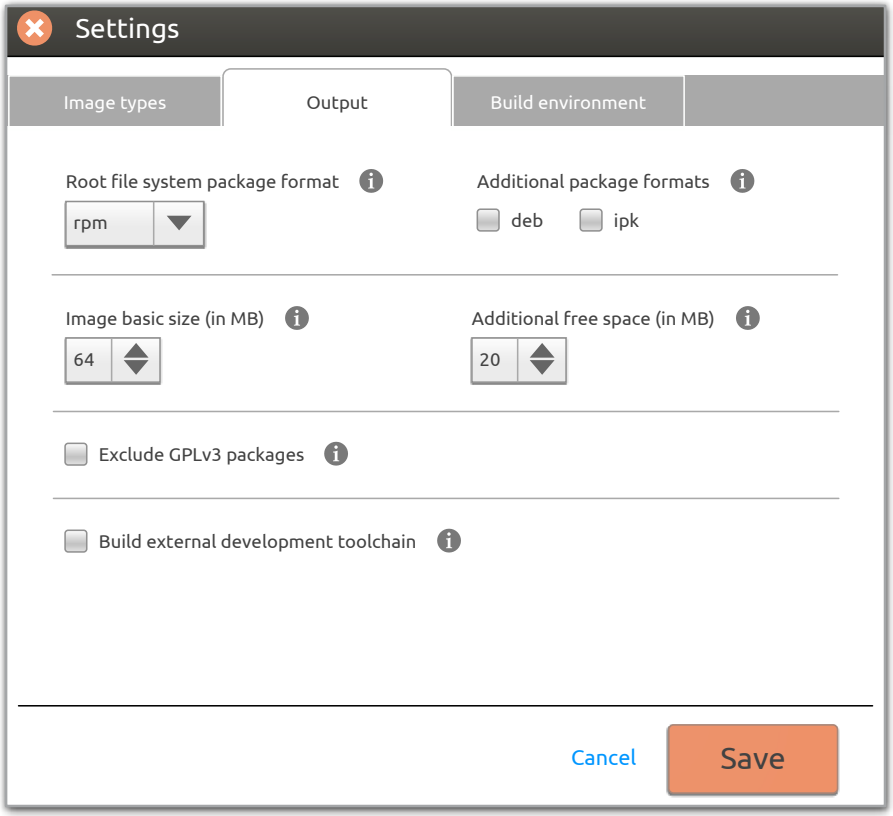
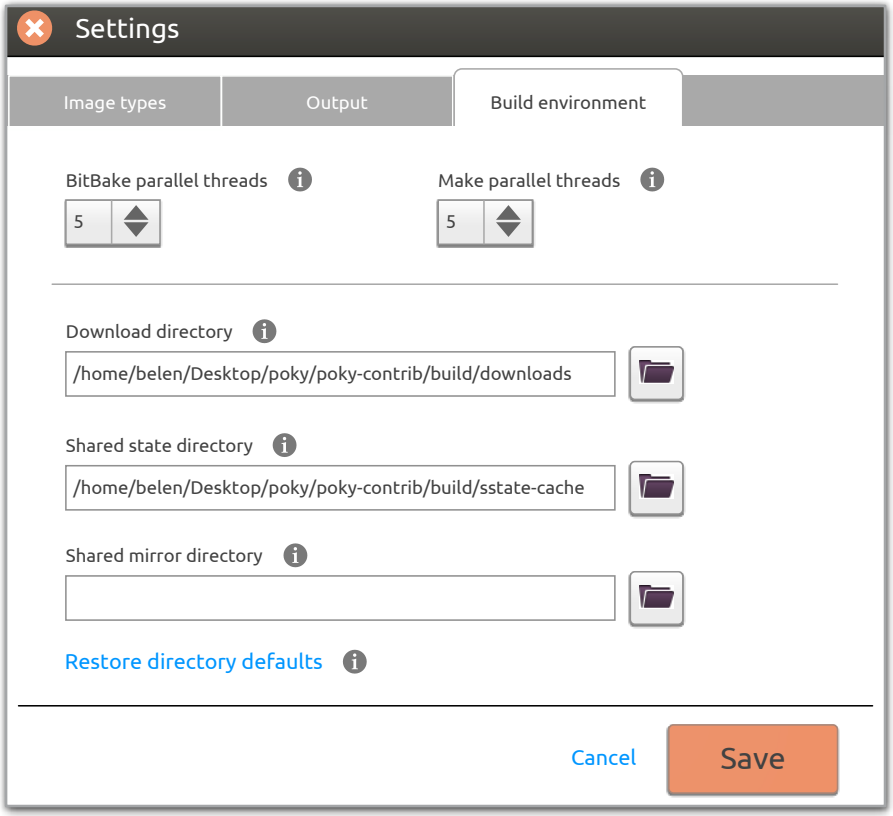
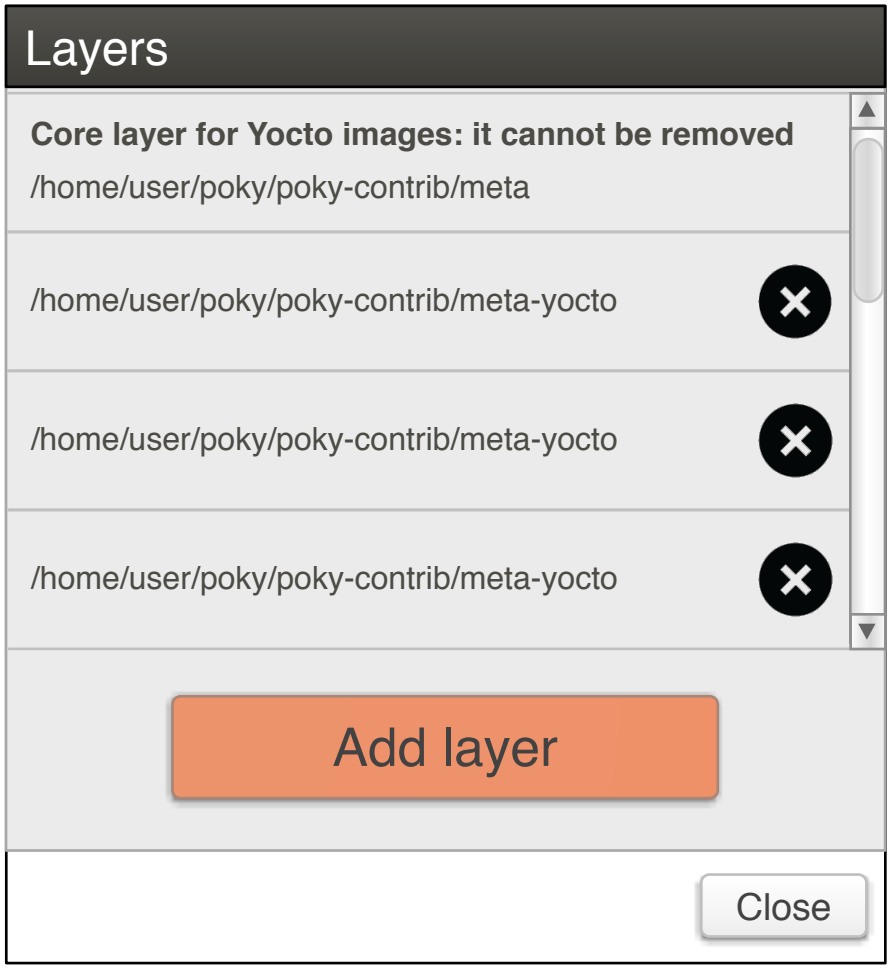
2 'Output' tab



3 'Build environment' tab

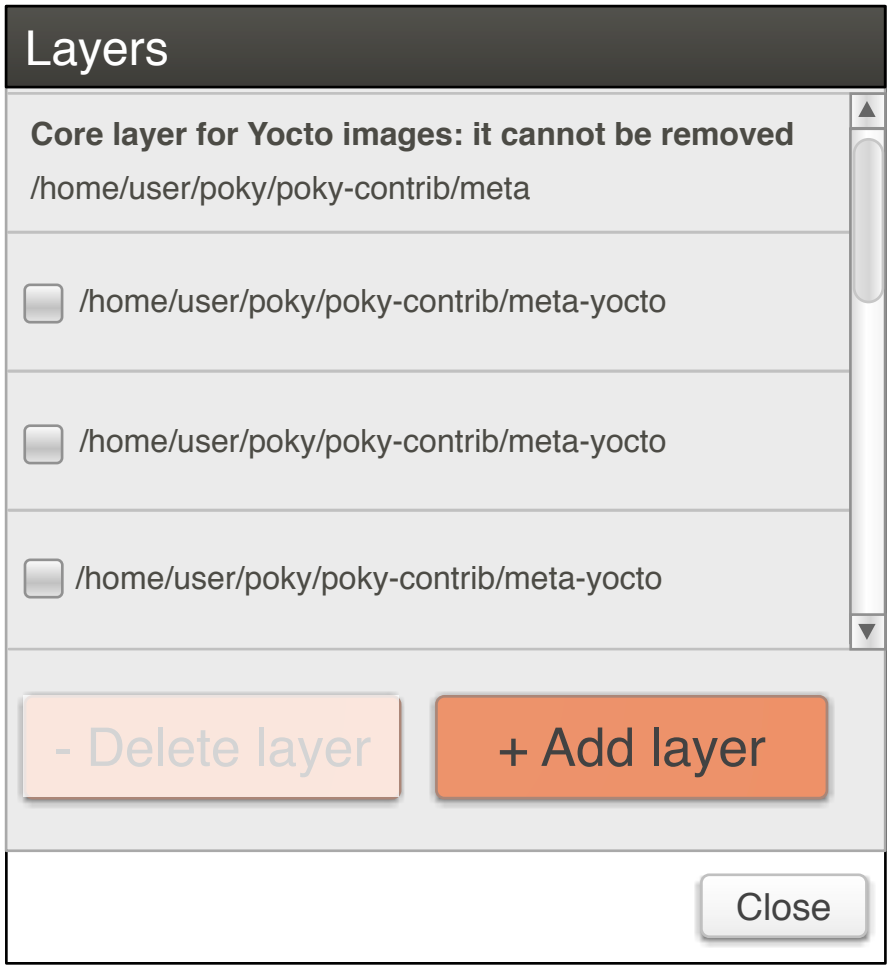


Version 1 - preferred choice



It should not be possible to delete layers that can't be removed!!

Version 2 - less elegant solution to be built only if Version 1 can't be implemented



The 'Delete Layer' button becomes active only when at least one layer is selected.