roadmap

Duzy Chan

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1 Making a base root filesystem :CC:Base:

The bootstrap is creating a basic root filesystem (rootfs). Further efforts should be done in the base. The base is providing an identical environment to everyone (devs, geek, hacker, etc) involved.

1.1 Root filesystem :CC:Base:RootFS:

This is the base system. It should boot into a shell terminal with networks and Debian APT supported.

1.1.1 The package manager :CC:Base:APT:

With the networking enabled for the base, a fully funtional debian package manager should be configured. This is the basic facility to extend the system to different variants.

- Using the official debian package source: CC:Base:APT:OriginSource: While using the official debian package source, we derived the hardware compatibilities from Debian. Say, if Debian is able to run on Odroid board, our distro could too.
 - Compatibility Verification
 Some POC (proof-of-concept) efforts could be spent to examing the hardward compatibility. If we're going to provide very serious hardware supports, this might require lots of efforts.
- Build specific package source server for Community Cube :CC:Base:APT:SpecificSource: This is actually optional, without this, the official debian package should work. The specific source server obviously require extra resources, it could expend into lots of works to do.
 - Package error fixing or refining or customization.
 Per package (apt) refining is possible with the our own specific package source host.

1.2 Methods to work on the rootfs (development purpose) :CC:Base:Dev:

We're going to use QEMU quickly work in the base. This will give others (devs or someone from the community) a way to get involved. We also need a managed way to assembly a good result from the efforts of the community.

1.2.1 A method to wrap external efforts :CC:Base:Dev:Modulization:

1.3 To run in a physical machine :CC:Base:Physical:

We will need the ISO image and burn it to a DVD or USB stick for installation on a Intel or AMD machine.

2 Customization and Parameterization over the base

This part will be ignored for now. This could be done by modules and the module manager.

- 3 Creating an installer for the prepared distribution
- 3.1 Installer same as https://wiki.debian.org/DebianInstaller
- 3.2 Making ISO image with the Installer