E20 Release Notes for 1.0.10

Contains all changes since 1.0.8

1/11/17

114-001911-000-A006

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Introduction

This document describes all changes introduced in the E20 stock firmware SD card image version 1.0.10 since the previously officially released version 1.0.8. All updates in this release are within the context of the root filesystem from which applications execute during normal operation of the E20 gateway.

Numbering of E20 Releases

The E20 follows the X.Y.Z versioning system, where X is the major version which may be incompatible with prior versions, Y is the minor version which adds backward compatible functionality, and Z is the patch level. Note that while the collective package is release 1.0.8, individual elements within the package typically have their own release numbers.

Overview of 1.0.10

- Updated to rootfs used version 1.1.0-1.
- Image builder now uses a very base rootfs (1.1.0-1) and adds APT packages based on whether building for e20 or e12.
- Updated to e20-leds 1.0.2 - you no longer have to be root to control the LEDs; the LEDs are owned by the "gpio" group which you can selectively add users to.
- Updated to linux-image-3.10.17-synapse1.0.4-6-g4d97324
- Updated to u-boot 1.0.4-5-g268bd5e
    - o Now has a five second boot delay on <u>first boot only</u>.
- Updated to installer version 1.1.8-11
    - o Uses the new eMMC name scheme and sets the one time boot delay appropriately
    - o eMMC image filename is now [BOARDNAME]-mmc-imagefile-[VERSION].img.gz
- Updated to the newest snapconnect, snaptoolbelt, and snapbuild:
    - o snapconnect==3.6.1
    - o snaptoolbelt==2.0.1
    - o snapbuild==2.4.0
    - o flasher==1.1.0

- o snappy==2.8.0
- o synapse-mock-tools==0.0.2
- o snapconnect-futures==6.0.0
- Added snap-firmware 2.7.2 and 2.8.2
- Updated the E20 to u-boot 40-uboot-e20_1.0.4-5-g268bd5e.
- Updated permissions on /home/snap to 0750
- Updated permissions on /etc/shadow to 0640
- APT packages updated to address CVES:

```
dbus==1.6.18-0ubuntu4.4
dbus-x11==1.6.18-0ubuntu4.4
libdbus-1-3:armhf==1.6.18-0ubuntu4.4
libdbus-glib-1-2:armhf==0.100.2-1
libnih-dbus1:armhf==1.0.3-4ubuntu25
libcurl3:armhf==7.35.0-1ubuntu2.10
libcurl3-gnutls:armhf==7.35.0-1ubuntu2.10
libcurl3-nss:armhf==7.35.0-1ubuntu2.10
libcurl3-gnutls:armhf==7.35.0-1ubuntu2.10
libcurl3-nss:armhf==7.35.0-1ubuntu2.10
libdbus-1-3:armhf==1.6.18-0ubuntu4.4
libexpat1:armhf==2.1.0-4ubuntu1.3
libexpat1-dev:armhf==2.1.0-4ubuntu1.3
libidn11:armhf==1.28-1ubuntu2.1
libpython2.7:armhf==2.7.6-8ubuntu0.3
libpython2.7-dev:armhf==2.7.6-8ubuntu0.3
libpython2.7-minimal:armhf==2.7.6-8ubuntu0.3
libpython2.7-stdlib:armhf==2.7.6-8ubuntu0.3
libpython2.7-minimal:armhf==2.7.6-8ubuntu0.3
libpython2.7-stdlib:armhf==2.7.6-8ubuntu0.3
libpython3.4:armhf==3.4.3-1ubuntu1~14.04.5
libpython3.4-minimal:armhf==3.4.3-1ubuntu1~14.04.5
libpython3.4-stdlib:armhf==3.4.3-1ubuntu1~14.04.5
libpython3.4-minimal:armhf==3.4.3-1ubuntu1~14.04.5
libpython3.4-stdlib:armhf==3.4.3-1ubuntu1~14.04.5
libxmlrpc-core-c3==1.33.06-0ubuntu1
openssh-server==1:6.6p1-2ubuntu2.8
libpython2.7:armhf==2.7.6-8ubuntu0.3
libpython2.7-dev:armhf==2.7.6-8ubuntu0.3
libpython2.7-minimal:armhf==2.7.6-8ubuntu0.3
libpython2.7-stdlib:armhf==2.7.6-8ubuntu0.3
python2.7==2.7.6-8ubuntu0.3
python2.7-dev==2.7.6-8ubuntu0.3
python2.7-minimal==2.7.6-8ubuntu0.3
libpython2.7-minimal:armhf==2.7.6-8ubuntu0.3
python2.7-minimal==2.7.6-8ubuntu0.3
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libpython3.4:armhf==3.4.3-1ubuntu1~14.04.5
libpython3.4-minimal:armhf==3.4.3-1ubuntu1~14.04.5
libpython3.4-stdlib:armhf==3.4.3-1ubuntu1~14.04.5
python3.4==3.4.3-1ubuntu1~14.04.5
python3.4-minimal==3.4.3-1ubuntu1~14.04.5
libpython3.4-minimal:armhf==3.4.3-1ubuntu1~14.04.5
python3.4-minimal==3.4.3-1ubuntu1~14.04.5
tar==1.27.1-1ubuntu0.1
upstart==1.12.1-0ubuntu4.2
vim==2:7.4.052-1ubuntu3.1
vim-common==2:7.4.052-1ubuntu3.1
vim-gnome==2:7.4.052-1ubuntu3.1
vim-gui-common==2:7.4.052-1ubuntu3.1
vim-runtime==2:7.4.052-1ubuntu3.1
vim-tiny==2:7.4.052-1ubuntu3.1
vim-common==2:7.4.052-1ubuntu3.1
vim-gui-common==2:7.4.052-1ubuntu3.1
vim-runtime==2:7.4.052-1ubuntu3.1
wget==1.15-1ubuntu1.14.04.2
```

References

E20 Software Binaries	114-001916-000-A003
E20 Software Installation Document	114-001903-000-A009