

GNU/Linux Administration - Bug #917

Convert Grub BIOS Bootloader To UEFI Bootloader

01/08/2018 12:47 PM - Daniel Curtis

Status:	Closed	Start date:	01/08/2018
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Workstation	Estimated time:	0.50 hour
Target version:	Arch Linux	Spent time:	1.00 hour

Description

I recently installed Antergos onto a MicroSD card on a STCK1A8LFC and the GUI installer failed to install the UEFI partition properly and defaulted to the BIOS bootloader. Since the STCK1A8LFC only boots using UEFI mode, I needed to fix my installation.

Prepare the Partition

- To start, make sure the system is booted up to live environment.
- Since the installer already created the partition, but failed to assign it the proper type, run fdisk and check the type to an **EFI System**:

```
fdisk /dev/mmcblk2
t
1
1
w
```

- Then format the EFI partition to FAT32:

```
mkfs.fat -F32 /dev/mmcblk2p1
```

Install Grub UEFI

- Mount the system partition that contains /boot :

```
mount /dev/mmcblk2p2 /mnt
```

- Mount the EFI partition:

```
mkdir /mnt/boot/efi
mount /dev/mmcblk2p1 /mnt/boot/efi
```

- Install grub efi:

```
grub-install --target=x86_64-efi --efi-directory=/mnt/boot/efi --boot-directory=/mnt/boot --re-movable --recheck
```

- Unmount and reboot:
umount /mnt/boot/efi
umount /mnt/boot
reboot
h2. Resources

- https://wiki.archlinux.org/index.php/EFI_System_Partition
- https://wiki.archlinux.org/index.php/USB_flash_installation_media
- https://wiki.archlinux.org/index.php/Multiboot_USB_drive

History

#1 - 01/10/2018 04:36 PM - Daniel Curtis

- % Done changed from 0 to 100

- Status changed from New to Resolved

#2 - 03/19/2018 08:52 PM - Daniel Curtis

- Status changed from Resolved to Closed