



BOSCH

Access Easy Master Controller 4.1

ISO Image

en

Installation Manual

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2 Installation preparation overview

This document shows you how to prepare for the installation of Access Easy Master Controller (AEMC) software. You need to prepare the computer where you wish to install the AEMC software, and also a bootable media containing the AEMC ISO image.



Warning!

Installing the AEMC software will **erase all existing data, programs, and operating systems** on the computer. This process is irreversible. Back up all important documents and files somewhere other than the computer hard drive before attempting any kind of installation.

2.1 Minimum hardware requirements to install AEMC

To install the AEMC software, the minimum hardware requirements of the computer is as follows:

Processor	Intel i5 and above
Memory	Minimum 8 GB RAM
Storage Space	Minimum 500 GB hard disk space
Ethernet	100 Mbit/s Ethernet card

2.2 Preparation of AEMC ISO image

To prepare a bootable media containing the AEMC ISO image, you need to firstly download the zipped file of AEMC ISO image from the Access Easy Controller 2.1 / AEMC section of our corporate website's product catalog (<https://www.boschsecurity.com>). Unzip the file and save the AEMC ISO image on your computer.

Next, create the bootable installation media with the AEMC ISO image. The AEMC software will be installed automatically to the computer when it boots from the bootable installation media.

There are two methods to prepare the installation media:

- creating a bootable USB flash drive with the AEMC ISO image (recommended method)
- burning the AEMC ISO image to DVD

The minimum storage size is 2 GB for the USB flash drive and 4.7 GB for the DVD disc. Any freeware (and its derivatives) or commercial software may be used to create the bootable installation media. We will be using the following software as examples in this document.

Software	License	Purpose
Rufus 3.4	Freeware	Creating bootable USB flash drive with an ISO image
Nero 9	Commercial	Burning ISO image to DVD

Tab. 2.1: Examples of installation media creation software



Notice!

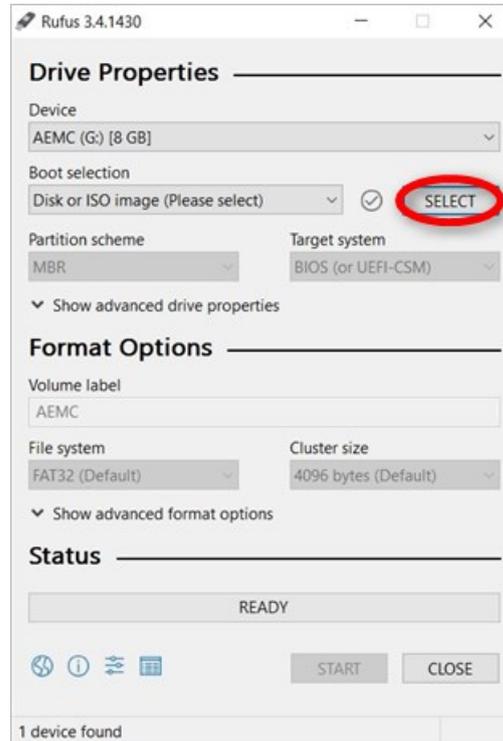
The end user will be responsible of the legality and functionality of the software being used for the purpose stated. BOSCH SECURITY SYSTEMS assume no responsibility for any errors due to incorrect usage of the third party software.

3 Creating bootable installation USB flash drive

We will be using Rufus 3.4, a utility freeware that helps format and create bootable USB drives, as our example.

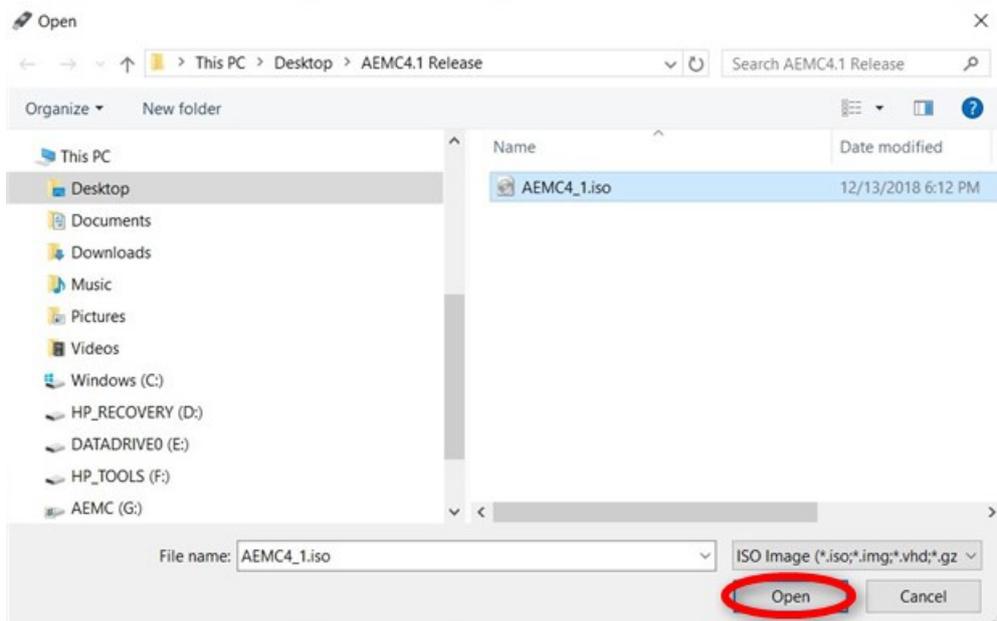
To create a bootable installation USB flash drive with the AEMC ISO image:

1. Download **Rufus** from its website: <https://rufus.ie/> (no installation is required).
2. Insert an empty flash drive to a USB port on your computer.
3. Run the **Rufus** executable file.
4. Click the **SELECT** button to select the ISO image file.



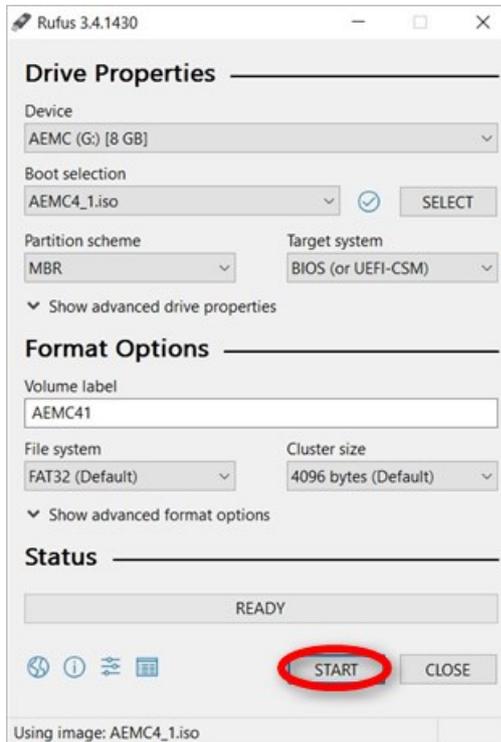
→ The file selection dialog appears.

5. Navigate to the ISO image file, and click the **Open** button.



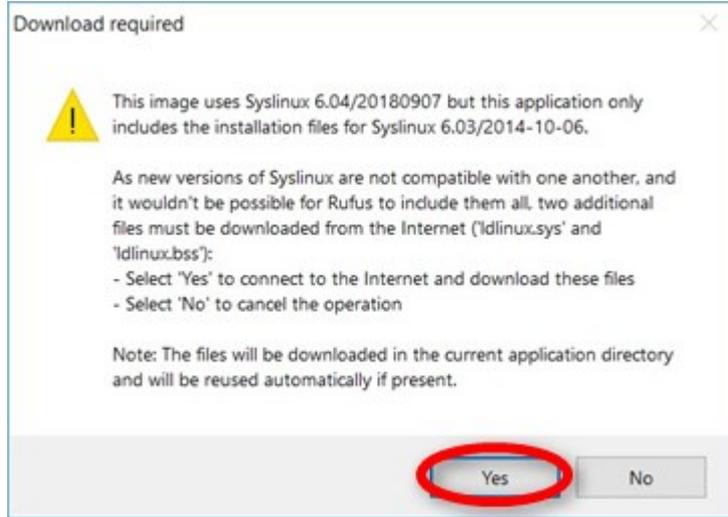
→ The **START** button on the Rufus software is enabled.

6. Click the **START** button to initiate the burning process.



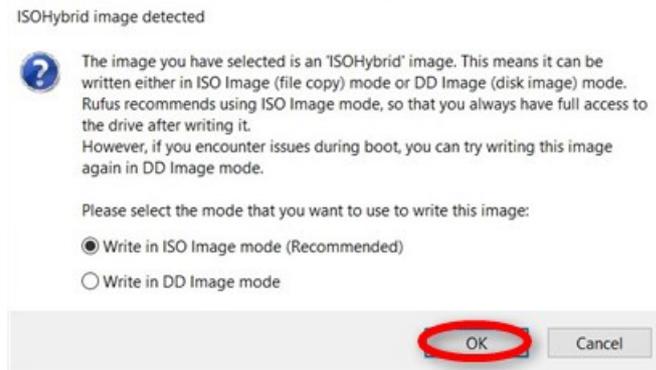
→ The software detects the ISO image and may make recommendations to download some latest supporting files.

- 7. If the following dialog box appears, click the **Yes** button.



→ The software makes some recommendations of the image writing mode based on the ISO image.

- 8. Click the **OK** button to accept the recommended image writing mode.



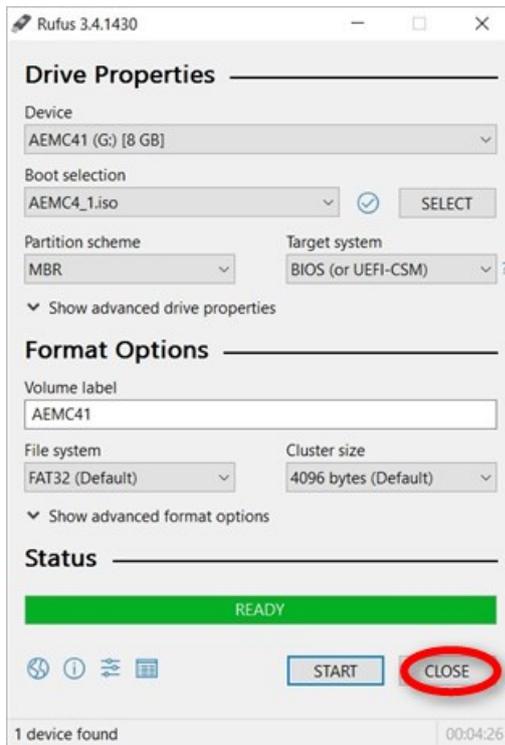
→ A dialog box warning about destroying the data on the USB flash drive appears.

- 9. Click the **OK** button to start burning the ISO image.



→ The **Status** bar shows the progress until it is in the **READY** status.

10. Click the **Close** button to exit the **Rufus** software.

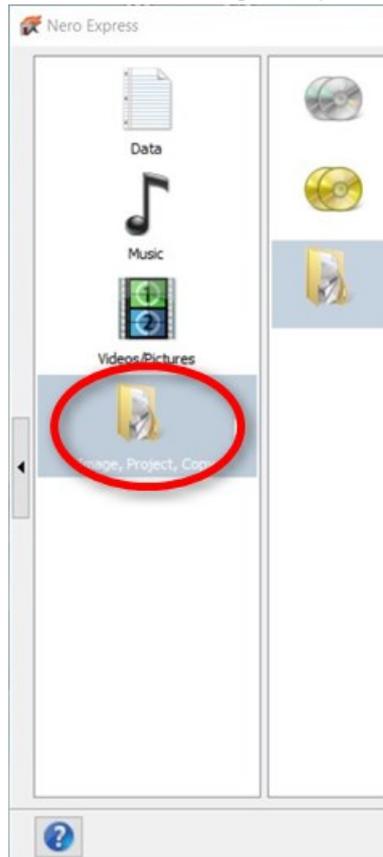


4 Burning AEMC ISO image to DVD

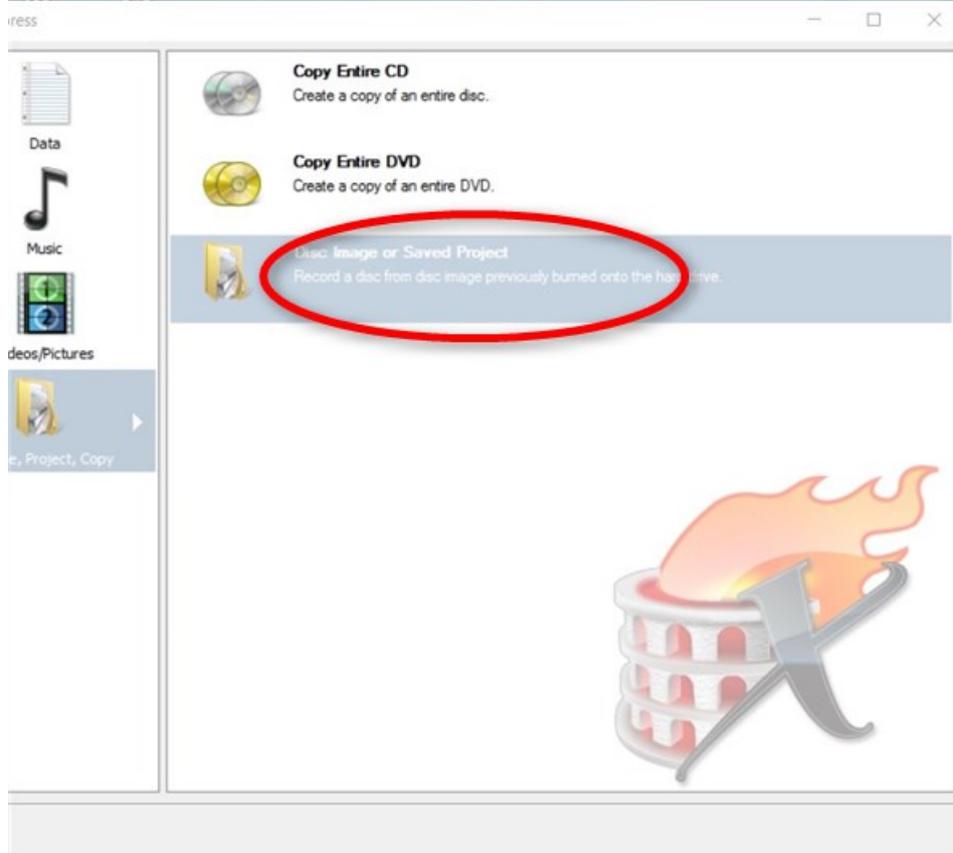
We will be using Nero 9, a commercial optical disc authoring program for burning and copying optical discs, as our example.

To burn the AEMC ISO image to DVD:

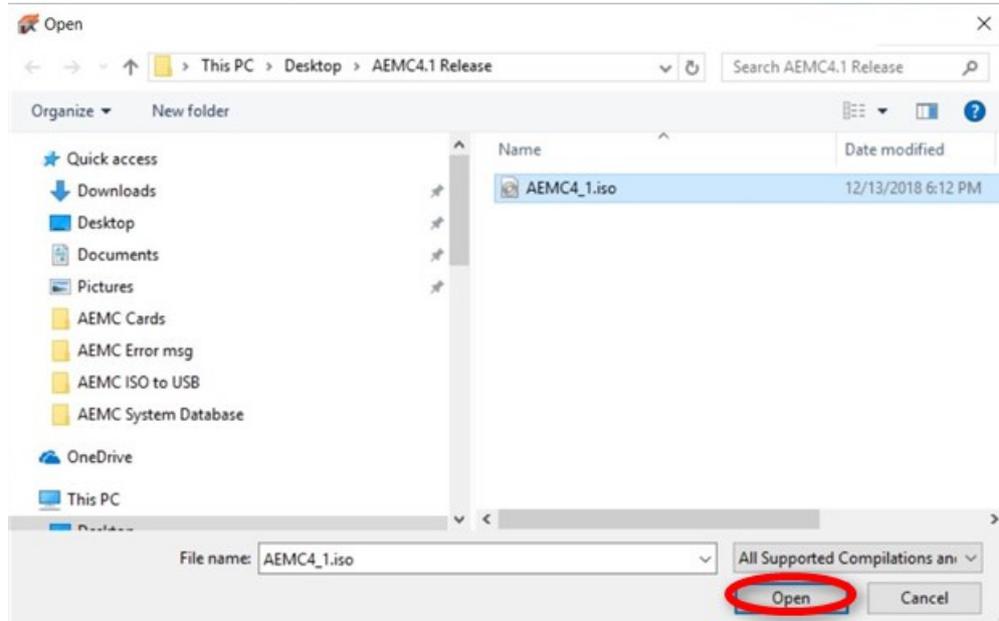
1. Run the **Nero Express** executable file.
2. Select the item **Image, Project, Copy** from the left pane.



- 3. Select the item **Disc Image or Saved Project** from the right pane.

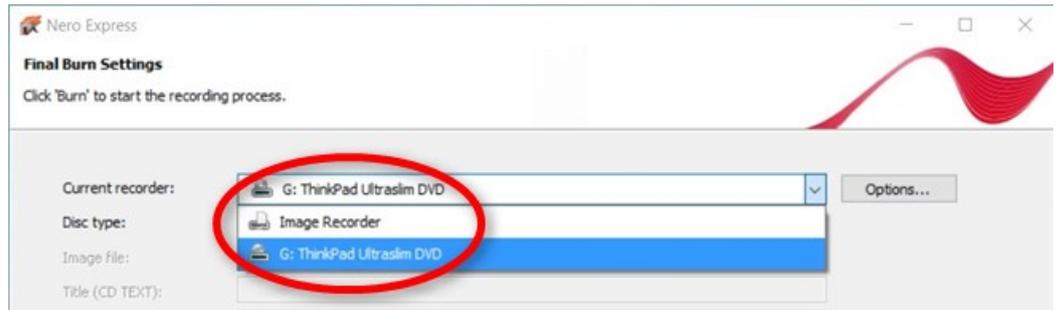


- 4. Navigate to the ISO image file, and click the **Open** button.

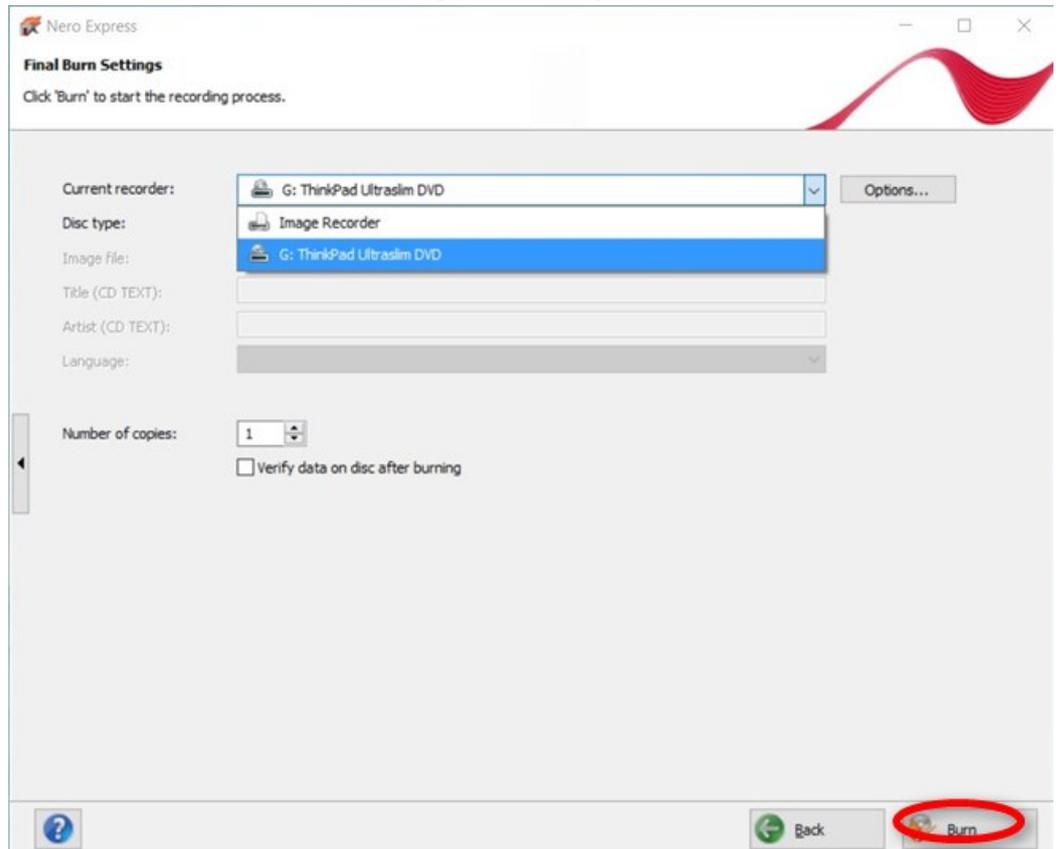


→The settings are shown in the **Final Burn Settings** dialog window.

5. Ensure that the DVD drive of your computer is selected as the **Current recorder** in the **Final Burn Settings** dialog window.

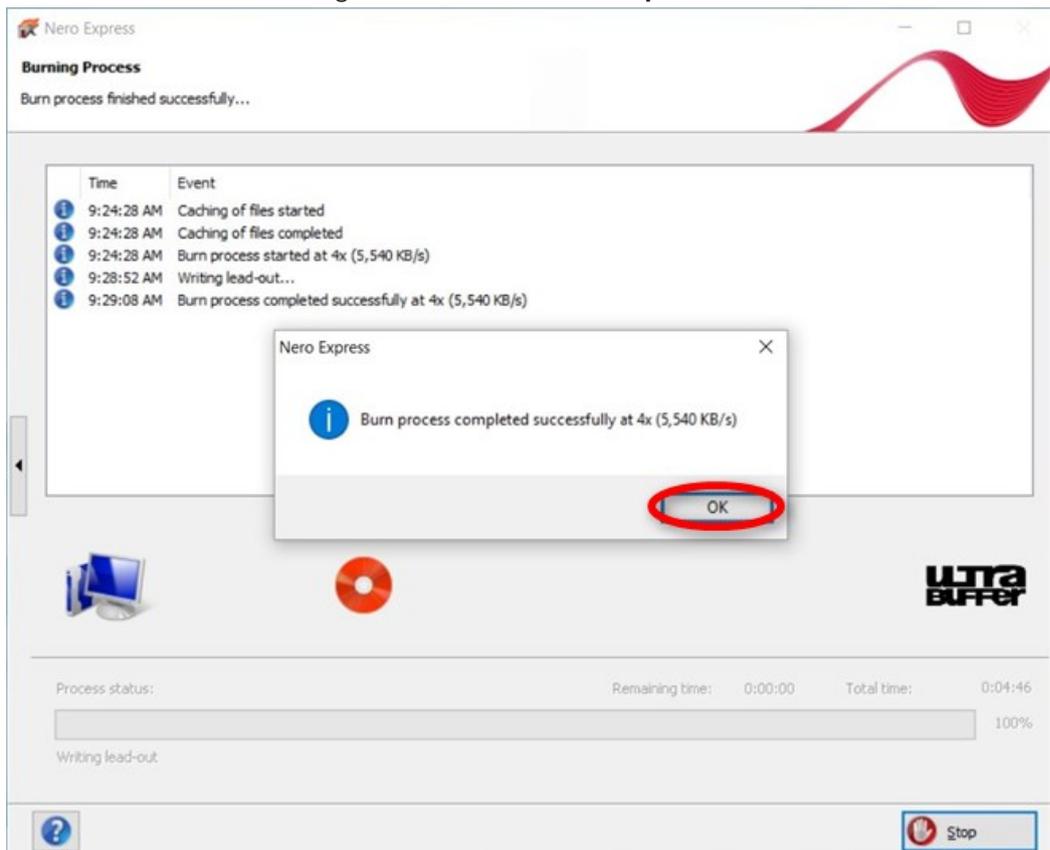


6. Click the **Burn** button to start burning the ISO image.



→The progress of the burning process is shown progressively in the dialog window.

- Once the burning process has completed, the confirmation dialog box appears. Click the **OK** button to close the dialog box and exit the **Nero Express** software.



- Press the P key, followed by the Enter key to start the installation. The installation starts writing to the hard disk, and also checks the integrity.

```

The partition table has been altered.
Calling ioctl() to re-read partition table.
Syncing disks.
mkfs2fs 1.44.4 (18-Aug-2018)
Discarding device blocks: done
Creating filesystem with 1572608 4k blocks and 393216 inodes
Filesystem UUID: 4924a4c4-3042-49df-81d1-4adf36a06f24
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736

Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done

tune2fs 1.44.4 (18-Aug-2018)
Setting maximal mount count to -1
Setting interval between checks to 0 seconds
mount: mounting /dev/1 on /media/cdrom failed: No such file or directory
Root File system writing to /dev/sda1
It will take few minutes. Please wait ...
/
Verifying the Checksum ...
    
```

- If there are issues, a red "FAILED" screen will appear. Example of issues include integrity problems with the hard disk, and corrupted ISO image while creating the bootable media. Check and rectify these issues before restarting the installation process again.
- If there are no issues, a green "PASSED" screen will appear. Remove the USB flash drive/ DVD from the USB/DVD drive, and press the Enter key.

```

/
Verifying the Checksum ...
/
Installing Boot Loader ... /media/cf /dev/sda
/usr/sbin/grub-probe: error: failed to get canonical path of 'rootfs'.
Installing for i386-pc platform.
Installation finished. No error reported.
fsck from util-linux 2.32
e2fsck 1.44.4 (18-Aug-2018)
ROOT_FS: clean, 101043/393216 files, 1222543/1572608 blocks
Installing lilo Boot Loader ... /media/cf /dev/sda
done

      PPPP      AA      SSSS      SSSS      EEEEEE      DDDD
      PP PP    AAAA    SS SS    SS SS    EE      DD D
      PP PP    AA AA    SS      SS      EE      DD DD
      PP PP    AA AA    SSSS    SSSS    EEEEEE    DD DD
      PPPP    AAAAAA    SSSS    SSSS    EEEEEE    DD DD
      PP      AA AA      SS      SS    EE      DD DD
      PP      AA AA    SS SS    SS SS    EE      DD D
      PP      AA AA    SSSS    SSSS    EEEEEE    DDDD

      ++++++ Press <Enter> To Continue ++++++
    
```

- Restart the AEMC computer, and the AEMC system will load.
- Using another computer in the same network, configure the connecting computer with the following IP settings:
IP Address: 129.2.0.40
Subnet Mask: 255.255.0.0
- Open the Microsoft Internet Explorer. Enter "https://129.2.0.42/" (default AEMC IP address) in the address bar, and press the Enter key.

10. Log in to the AEMC system with the default user "iuser1" and password "8088".
11. Please refer to *Chapter 17.1.3 Changing the IP address of Access Easy Master* of the AEMC Software Manual to change the IP address of the AEMC to your own.
12. Restart the AEMC computer for the new IP address to take effect.
13. Reconfigure the connecting computer with an IP address within the same range as the new IP address of AEMC computer.
14. To login to AEMC, open the Microsoft Internet Explorer on the connecting computer, and enter the AEMC's new IP address in the address bar.

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