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***Monitoring for Environment and Security in Africa (MESA)***

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**eStation 2.0**

**Create a Live USB key with gparted, Clonezilla or eStation 2.0**

**Technical Note**

***March 2015***

**Date**: //

**Ref**: MESA/DOC/eStation/…



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| Abstract / Résumé |
| This document provides guidelines for the installation of the PyCharm on computer. |

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**ACRONYMS and DEFINITIONS**

|  |  |
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| AMESD | African Monitoring of Environment for Sustainable Development |
| ACMAD | African Centre of Meteorological Applications for Development |
| AGRHYMET | Centre Régional de Formation et d’Application en Agrométéorologie et Hydrologie Opérationnelle |
| AU | African Union |
| BDMS | Botswana Department of Meteorological Services |
| CICOS | Commission Internationale du Bassin Congo-Oubagui-Sangha |
| CWG | The MESA Continentalisation Working Group |
| EO | Earth Observation |
| EUMETSAT | European Organisation for the Exploitation of Meteorological Satellites |
| EUMETCast | EUMETSAT’s primary dissemination mechanism for the near real-time delivery of satellite data and products |
| FTP | File Transfer Protocol |
| GIS | Geographical Information System |
| IOC | Indian Ocean Commission |
| JRC | Joint Research Centre of the European Commission |
| MESA | Monitoring for Environment and Security in Africa |
| MOI | Mauritius Oceanography Institute |
| REC | Regional Economic Communities |
| RIC | Regional Implementation Centre |
| TA | Technical Assistance |
| TAT | Technical Assistance Team |
| THEMA | Regional and Continental Thematic Actions |

# Introduction

## Scope of the document

This document describes how to create a ‘Live-USB’ key, in order to run a specific application (gparted or Clonezilla) or have the eStation 2.0 (or similar) running from the USB.

## applicable and reference documents

|  |  |  |  |
| --- | --- | --- | --- |
| **Id** | **Title** | **Date** | **Reference** |
| RD-1 | GNOME Partition Editor home Page |  | http://gparted.org/ |
| RD-2 | Clonezilla home Page |  | http://clonezilla.org/ |
| RD-3 | How to create a Gparted USB Key |  | http://gparted.org/liveusb.php |
| RD-4 | How to create a Clonezilla USB Key |  | http://clonezilla.org/liveusb.php |

Table 1: Reference documents

# Create a Live USB key with Gparted

Gparted is a free partition editor with a nice and simple UI for managing partitions (see. RD-1). It can be run from Linux machine (e.g. the installation of the eStation 2.0) or from an USB Key. The following instructions for creating a live USB key with gparted (e.g. to resize the system disk of your machine) are copied from RD-3 on May 2015, and the Windows Method B: Manual is selected.

1. Download the Gparted Live zip file (<http://gparted.org/download.php>).
2. If you already have a partition of at least 200 MB in size on your USB flash drive formatted with a FAT file system then skip to the next step (3).  
   Otherwise create at least a 200 MB partition on your USB flash drive and format it with a FAT16 or FAT32 file system. Do not forget to set the ‘boot’ flag of the partition.
3. Extract all the contents of the zip file to FAT16/FAT32 partition on your USB flash drive. Keep the directory architecture, for example, file "GPL" should be in the USB flash drive's top directory (e.g. G:\GPL).
4. Browse to your USB flash drive and as an administrator, click the makeboot.bat in the dir utils\win32\. WARNING! Makeboot.bat must be run from your USB flash drive.
5. Follow the on-screen instructions.(PS: The above description is modified from: http://www.pendrivelinux.com/2007/01/02/all-in-one-usb-dsl. Thanks to PDLA from http://pendrivelinux.com).

Then, you can run the Gparted tool from the USB key, by entering the boot menu (normally F12).

# Create a Live USB key with Clonezilla

Gparted is a free partition editor with a nice and simple UI for managing partitions (see. RD-1). It can be run from Linux machine (e.g. the installation of the eStation 2.0) or from an USB Key. The following instructions for creating a live USB key with gparted (e.g. to resize the system disk of your machine) are copied from RD-3 on May 2015, and the Windows Method B: Manual is selected.

1. Download the Gparted Live zip file (<http://gparted.org/download.php>).
2. If you already have a partition of at least 200 MB in size on your USB flash drive formatted with a FAT file system then skip to the next step (3).  
   Otherwise create at least a 200 MB partition on your USB flash drive and format it with a FAT16 or FAT32 file system. Do not forget to set the ‘boot’ flag of the partition.
3. Extract all the contents of the zip file to FAT16/FAT32 partition on your USB flash drive. Keep the directory architecture, for example, file "GPL" should be in the USB flash drive's top directory (e.g. G:\GPL).
4. Browse to your USB flash drive and as an administrator, click the makeboot.bat in the dir utils\win32\. WARNING! Makeboot.bat must be run from your USB flash drive.
5. Follow the on-screen instructions.(PS: The above description is modified from: http://www.pendrivelinux.com/2007/01/02/all-in-one-usb-dsl. Thanks to PDLA from http://pendrivelinux.com).

Then, you can run the Gparted tool from the USB key, by entering the boot menu (normally F12).

# Create a Live USB key with eStation 2.0