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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***

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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

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

## 1. INTRODUCTION

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### 1.1 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.

### 1.2 APPLICABLE AND REFERENCE DOCUMENTS

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

**Table 1: Reference documents**

## 2. CREATE A LIVE USB KEY WITH GPARTED

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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).

### 3. CREATE A LIVE USB KEY WITH CLONEZILLA

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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.

6. Download the Gparted Live zip file (<http://gparted.org/download.php>).
7. 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.
8. 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).
9. 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.
10. 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).

#### **4. CREATE A LIVE USB KEY WITH EStation 2.0**

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