

## Your Profile

### Requirements

1. Put on paper what you know about computers and Linux.
2. Provide a room in your school as computer lab.
3. The windows and doors of this room must be secured against thieves.
4. You need electricity and enough 230V sockets.
5. Organise a cupboard for locking away the terminal server and the network switch.
6. There must be tables and chairs.
7. Draw up a plan showing how computers will be integrated into the school's activities.
8. Name a person who will be responsible for the computers and for the computer lab.

### Next Steps

We will contact you when the following conditions have been met:

1. Send us a plan indicating how the computers will be intergrated into the school syllabus and why you are the right person for this job.
2. Establish a computer committee.
3. Secure the future computer room with locks and grilled windows.
4. In this room there should be enough tables and chairs to accomodate 20 people.
5. There must be a 230V socket for each computer.



### Who we are

Linuxola is a non-profit organisation involving individual and institutional members. It has a background in development work as well as in information technology.

Amadeus Wittwer  
Initiator and Linux professional

Barbara Müller  
fepa Programme Coordinator

Liselotte Staehelin  
Consultant

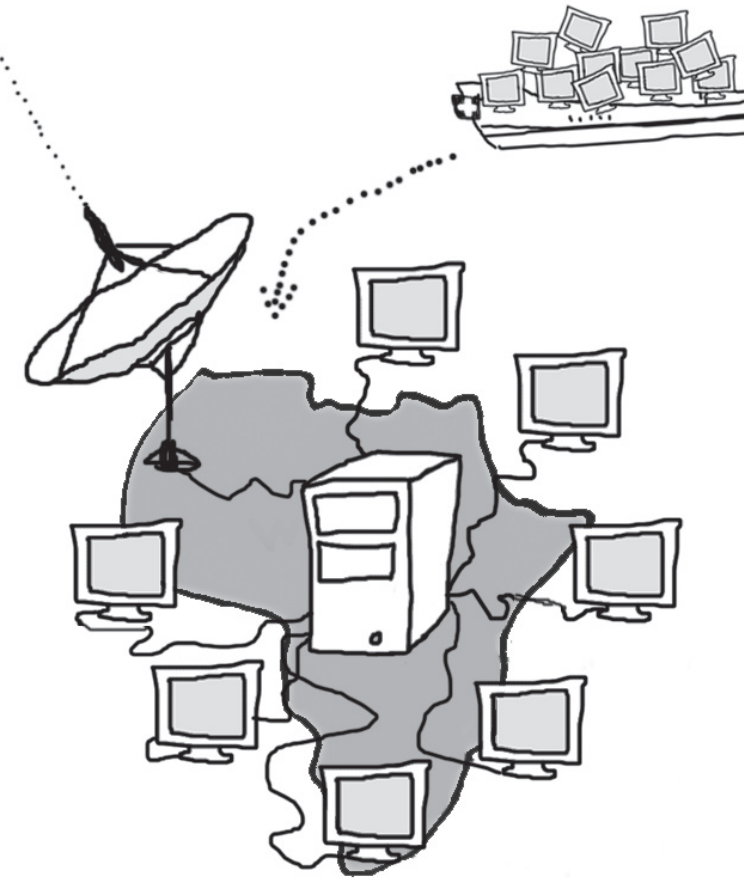
### How to contact us

**Linuxola** c/o fepa  
P.O. Box 195  
Drahtzugstrasse 28  
4005 Basel  
Switzerland

e-mail: [linuxola@fepafrika.ch](mailto:linuxola@fepafrika.ch)  
phone: +41 61 681 80 84  
fax: +41 61 683 43 12

[www.linuxola.ch.vu](http://www.linuxola.ch.vu)

functional  
computer  
recycling



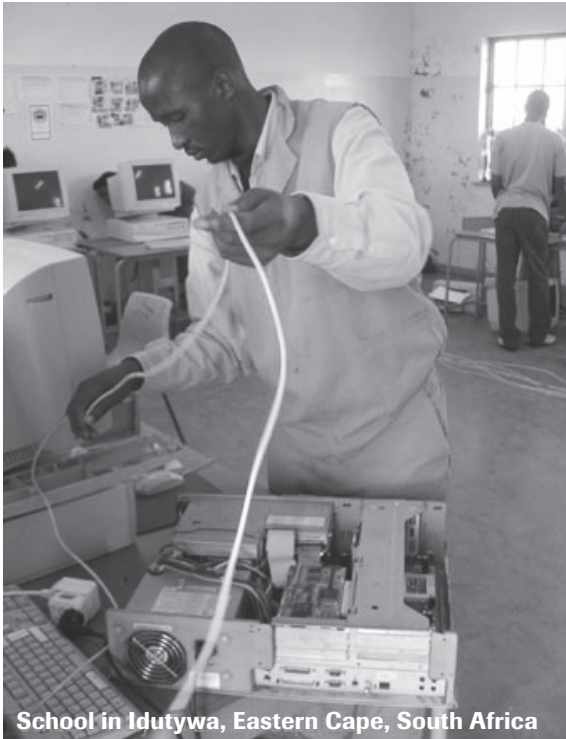
linuxola

## Vision and Mission

Linuxola has the objective of bridging the technological gap between the developed world and the disadvantaged regions, in particular in Africa, by facilitating access to information technology to young people. This is done through the functional recycling of computers from Switzerland and by providing support to the involved projects. The focus is on the empowerment of local organisations and their target groups.

## Concept

Thin client and Linux OSS (Open Source Software)



School in Idutywa, Eastern Cape, South Africa

## Technical background

With the Thin Client Concept (also Server Based Computing) several computers (clients) are linked to a capable terminal server. Data saving and programming is done on the server exclusively. Thin clients are only used for input and output (keyboard, mouse and screen). With its standardization, its central administration, and low cost client computers Server Based Computing provides an ideal solution for reducing the costs of information technology.

## Advantages

- high data security
- the system may be readily extended
- cost reduction through increased standardization and centralized administration
- remote administration via internet possible
- second-hand personal computers may be recycled as thin clients
- thin clients operating without harddisk have a longer lifespan
- second-hand personal computers are less susceptible to vandalism and theft
- easy updating of the system
- users can access their personal workplace from any computer
- no problems with licences
- no virus problems
- security updates are quickly done and automatically updated
- several classrooms and schools may share the same server

## What you get

### Technical equipment

#### Server

Dell 2x2,8GHz 2GB 2x80GB RAID1 CDRW



#### 20 x client

screened and cleaned computers with screen, keyboard and mouse

#### Software

Kubuntu Linux + LTSP + KDEEDU



#### Network

24 Port Switch + 20 x 10m network cable

## Development Cooperation

In order to make functional computer recycling a success Linuxola will assist partners with capacity building and monitor their operations. This involves networking as well as organisational and technical support.