



## KDE in Education The tale of a large scale deployment in Brazil

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- Degree in Communications and Arts – University of São Paulo
- Currently studying Pedagogy
- Games/Multimedia/Software developer
- Maintainer of KMahjongg, Kmines and KTurtle for KDE 4



- Not associated with the Brazilian government
- Not a member of the team that implemented ProInfo

And...



- I will try to no longer read the slides from now on...

# A brief story - fisl



# fisl 9 – crowd in shock...





# as Helio introduces KDE 4



# Booth action





# MEC Booth



# ProInfo Program



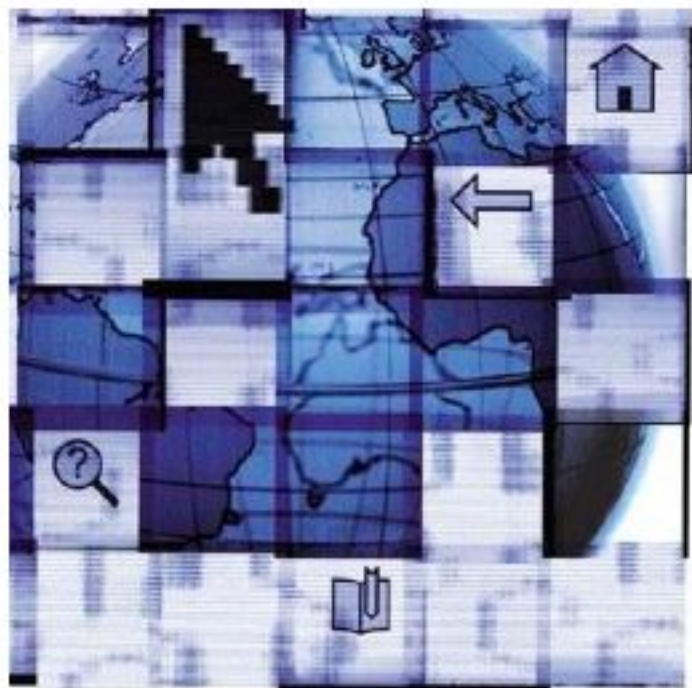


**Educação**  
Ministério da Educação

**BRASIL**  
UM PAÍS DE TODOS

## Dimensões do projeto

- Pedagógica**
  - ▶ Construção de conhecimentos
    - ▶ Individual
    - ▶ coletiva
  - ▶ Projetos / Pesquisa
  - ▶ Transformação da inf.
  - ▶ Interação / colaboração
  - ▶ Diversidade / Acessibilidade
- Estrutural**
  - ▶ Infra-Estrutura necessária
    - ▶ Elétrica
    - ▶ Lógica
    - ▶ Física
  - ▶ Custos de implantação
  - ▶ Requisitos Estruturais
- Tecnológica**
  - ▶ Requisitos Técnicos-Funcionais
    - ▶ Desempenho
    - ▶ Interoperabilidade
    - ▶ Portabilidade de Mídias
    - ▶ Taxa de reposição
- Social**
  - ▶ Inclusão Digital
  - ▶ Inclusão Social
  - ▶ Empregabilidade
  - ▶ Equidade
  - ▶ Oportunidades
  - ▶ Comunidade







- Linux Educacional 1.0 – Intel partnership
- Linux Educacional 2.0 – CETE Team
  - José Guilherme - Director
  - Fausto – Mauro – Pedagogic / Technical Coordination
  - Alcir – Procurement
  - Regiane - William, Renato e Claudia
- Simplified and clean interface
- Less clicks required for most actions
- Easy access to educational objects
- Plug and Play

**Linux Educacional 2.0**



## I. Info Labs with Broadband in urban schools :

	2006	2007	2008/1	2008/2009
<b>TOTAL</b>	<b>10,756</b>	<b>17,000</b>	<b>29,000</b>	<b>53,529</b>
<b>LABS WITH OLDER EQUIPMENT (&lt; 2003)</b>	<b>7756</b>	<b>6506</b>	<b>4706</b>	<b>0</b>
<b>UPGRADED LABS</b>	<b>0</b>	<b>1250</b>	<b>1800</b>	<b>4706</b>

- Integrated projector:  
CPU, keyboard, mouse, USB port, wired via PLC and/or wireless with DVD player



## III . Uca – one computer per student, now in phase 2



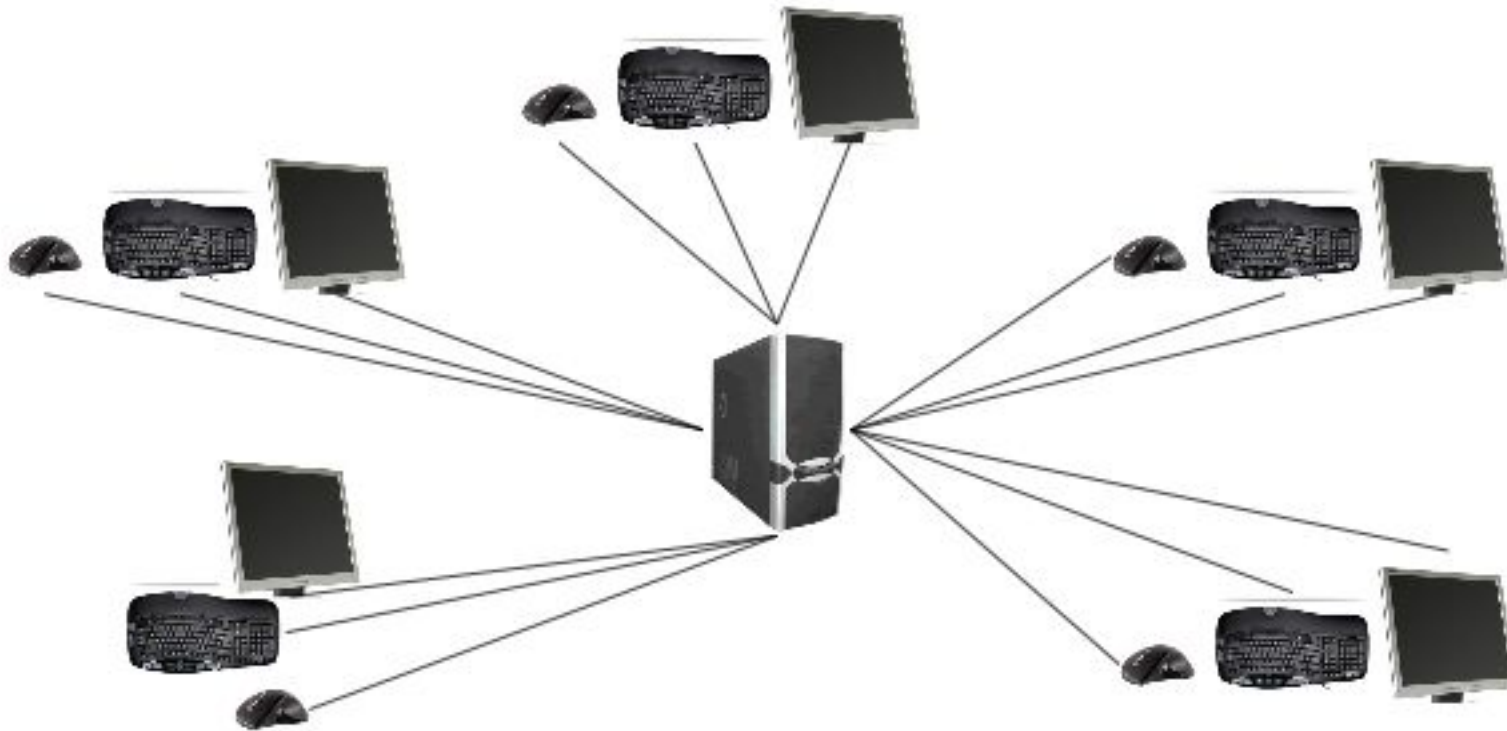
## Lab for Urban Schools



- Server + 7 Multiterminal CPU
- 22.000 Labs with 15 seats each
- WiFi
- No Logic Infrastructure
- Multiterminal
- More seats / Smaller price



## Labs for Rural Schools



- 7.000 Units

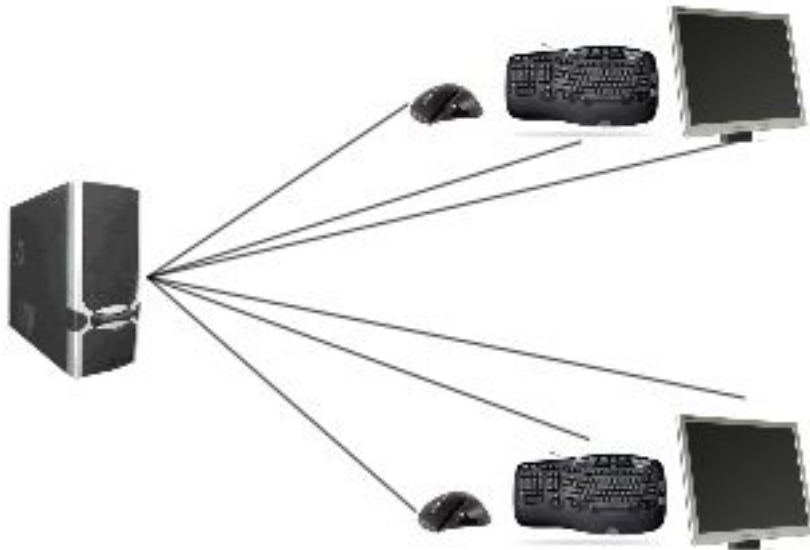
- Multiterminal station

- No Logic Infrastructure

- WiFi

- Light Physical Infrastructure

## Administrative Areas



- Multiterminal Station
- WiFi

- 5,000 Multiterminal Stations
- 1 to 3 seats
- Software for School Management

- No Logic Infrastructure
- Light Physical Infrastructure

## SEESP – Schools for People with Special Needs



- **Multiterminal Station**
- **WiFi**

- **6,000 Multiterminal Rooms**
- **2 seats**
- **Accessibility tools**
- **No Logic Infrastructure**
- **Light Physical Infrastructure**



## UCA – One Computer per Student



- 150,000 units
- 300 servers

- WiFi – Mesh
- New Paradigms

- Maximum Infrastructure
- High availability



So... how can we help?



# Short demo



# Why GNU/Linux with KDE 3?



Free (in both ways)

Community supported

Easy to customize the look and feel

KDE Applications (specially Edu)



The E-Team: more than 22 developers  
from 10 countries



## Improving Linux Educational

# Key needs:



Cross platform content

Cross platform applications

Fully customizable interface

Fully translatable, contributions possible

Free, community supported

Adaptable to different form factors - from small screen to Plasma(!!) monitors

Shhhh...



KDE 4 delivers all of that!



In summary...



**We are on the right track!**

One more time...



We are on the right track!!!



# Cheer!



We are helping to educate a new generation of contributors and creators, not just consumers!



# Our would-be-nice-todo list:



Continue improving KDE Edu

Work closely with teachers and students

Participate in workshops and events in Brazil

Solidify our cross platform strategy

Educate about free content and file formats

Improve tools for visualizing this content

Deliver KDE 4 vision

# MEC would-be-nice-todo list:



(help us) continue improving KDE Edu

(get feedback from) teachers and students

(promote) workshops and events in Brazil

(do not abandon) cross platform strategy

free content (only with free) file formats

(help fund) tools for visualizing this content

(switch to) KDE 4

# References



ProLinux: <http://webeduc.mec.gov.br>

Blog: <http://piacentini.livejournal.com>

Photos:

<http://www.flickr.com/groups/fisl9>

<http://www.mec.gov.br>



# Questions?

