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

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About me

- 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
Disclaimer

- 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
MEC presentation at fisl

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
I. Info Labs with Broadband in urban schools:

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

- 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
- Multiterminal
- No Logic Infrastructure
- More seats / Smaller price
Labs for Rural Schools

- 7,000 Units
- Multiterminal station
- WiFi
- No Logic Infrastructure
- Light Physical Infrastructure
Administrative Areas

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

- Multiterminal Station
- WiFi

- No Logic Infrastructure
- Light Physical Infrastructure
SEESP – Schools for People with Special Needs

- 6,000 Multiterminal Rooms
- 2 seats
- Accessibility tools

- Multiterminal Station  
  - WiFi

- 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
Next steps

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
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/fisI9
http://www.mec.gov.br