Intelligent Age for Education
Intelligent Edge for Education

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The traditional model

A lab with fixed seats

- Need to purchase and maintain hardware and software
- Not scalable
MobileNerd: The new world
MobileNerd: Democratizing software access

Customized to needs of education and training on software systems
Democratizing software for education
Technology

Applications running in native environment

Cloud-hosted

Virtual Machine access over multiple tunnels

MobileNerd

Remote desktop to a virtual machine

Any device with a browser

Student

Instructor

Applications running in native environment
Technology

- Institutions do not need to maintain: servers, desktops, software, or licenses

- Instructor can monitor student’s remote desktop online
  > Manage, guide, and grade student work remotely (just like in a lab)

Very low cost / month / user including all software licenses (or can re-use institution’s own licenses)
Sample Cloud-Hosted Software Titles

Licensed Software

Microsoft
Adobe
MATLAB
Wolfram Mathematica
SprutCAM
Cadence

OrCAD

Cadence PCB Solutions

Big Data Visualization

Open Source

AngularJS
JavaScript
MySQL
Image Processing and Analysis in Java
GenePattern
DWSIM
Chemical Process Simulator

Licensed Software

CorelDRAW
Robot
Ionic
Tableau

MetaStock
AMI Broker

Java
CSS
Python
Open Source

Typewriter

Big Data Analytics

HTML
CSS
JavaScript

What next: Highly interactive applications

- Making highly interactive applications work from the cloud

Autodesk Maya:
- Creating 3D cinematic animations

Adobe Premiere:
- Video editing and synthesis
Needs

- Making the applications seamless
- Use of GPU architecture for some applications
- Other applications to continue using non-GPU systems
- Architecture to partition some computing off to the edge
What next: VR in education
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The wire to the expensive computer
- Need an intelligent edge architecture
- Partnering with service providers