Cloud based IT Infra with Central Identity
{Project reboot}

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Objective

To construct new Cloud based IT Infra with Central Identity.

Present System

- No Central Identity, Storage & High capacity hardware resource pool.
- Failed to maintain large user load web services like ONB, Exam servers, etc.
- Dedicated computer course labs like Matlab, VLSI, etc.
- No proper Web Application Security & Standards.
- Inadequate resource requirements for Research.

Proposed System

- Cloud based hardware resources clustering.
- Central Identity for Network Applicaitons with REST API.
- Dynamic user role management.
- New CPanel for Network Administration.
- Providing Virtual Labs (MatLab).
- High Configurational Virtual Machines for research.

Advantages

- Well structured & controllable Network Administraion.
- Efficient Hardware resource utilization.
- No need to store redundant information.
- Virtual Machines with high hardware configuration for Researchers.

How to Implement ....

- Why can't we have one Dedicated Lab Environment?
- Not only for this project but also to do this kind of projects.

New Lab Proposal

- Network and Computational Lab
  - New encouragement to people who are intrested in this area
  - People will get hands on experience in networking
  - Initiation for Computational Work

Technical Requirements

- One Lab Envinroment
- At Least 10 Computers
- Internet facility
    - Uninterrupted
    - No proxy
    - Unlimited Data
- 24 x 7 Lab availability

Questions?

Questions and Suggestions?

Finally ..

Thank you All .. :)