Cloud based IT Infra with Central Identity
{Project reboot} - Phase I

Project Guide

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Presenting by

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About us

We are from team *r3b00+* {reboot}

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Objective

To construct new Cloud based IT Infra with Central Identity.

Objective Continued ...

The main objective of "Cloud based IT Infra with Central Identity" is to utilize exisiting hardware, turn them into private clouds and access all of its services using Central Identity, which can be available to third party developers as API with dynamic role management and service endpoints.

New private cloud based IT Infra is aimed to develop using some opensource tools like OpenStack, NFS, LDAP, Ubuntu and etc

Expecting to surve with high computational virtual machines to the research, academic, learning purpose, virtal labs rather than dedicated lab hardware.

Motivation

- No Central Identity, Central 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 - Main Components

- Central Identiy
    - Single Sign on
    - Fedarated Identity
    - Dynamic Role Based Access Control
    - REST API to third party
- Network Components Configurations
    - AAA, LDAP, NFS
- Construction of private cloud
    - Openstack,

Questions?

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One word to say ..

Thank you