CloudNext: Federated Testbed for Cloud Computing experimentation

cloudlab-brasil.rnp.br

- Direct Access to Cloud Computing Orchestration & Physical Resources Layers
- Bare-metal & Automated Cluster Provisioning (e.g. Customized Openstack)
- Integration with Brazil’s main Future Internet testbed (FIBRE)
- Based on OMF 6 Control Framework

Cloud Resources (virtual)

Infrastructure Orchestration Layer

Physical Infrastructure Layer

CloudNEXT Experimentation Focus

12 servers
1 L3 switch
1 White-box switch

RNP (Brazil’s NREN)

2 Clusters (~ 2000 Km apart)
~ 50ms between them

12 servers
1 L3 switch
1 White-box switch

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