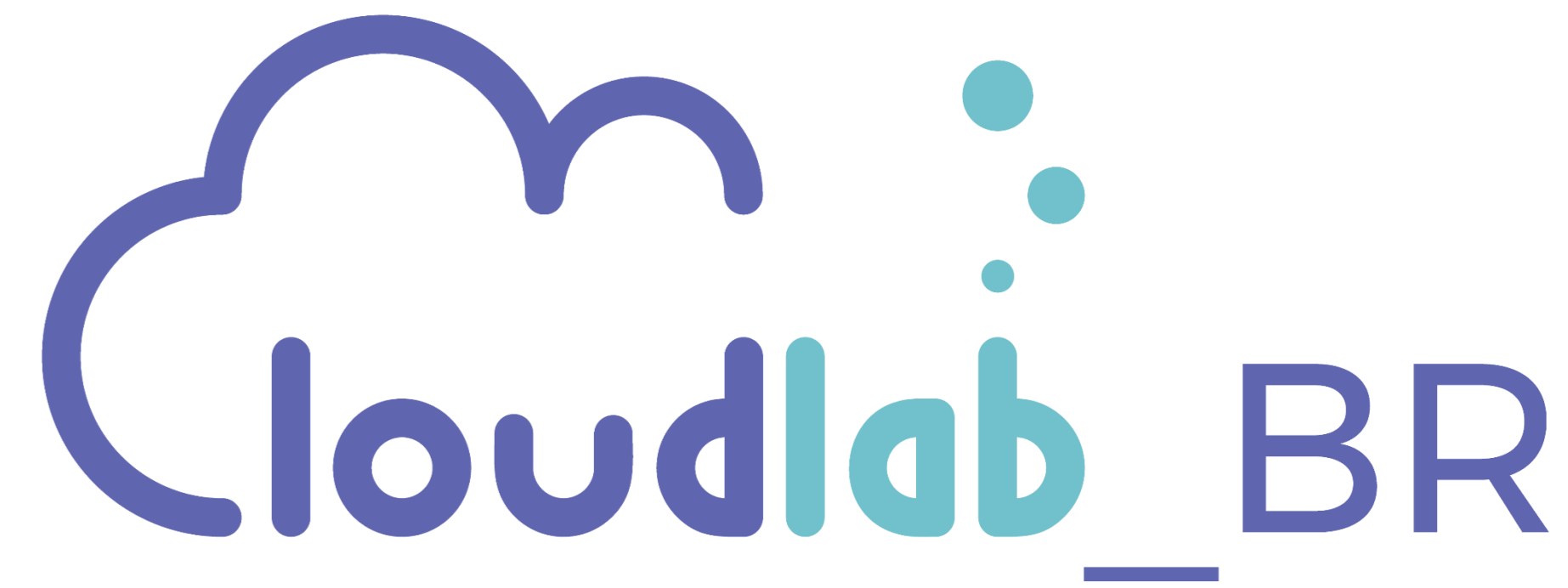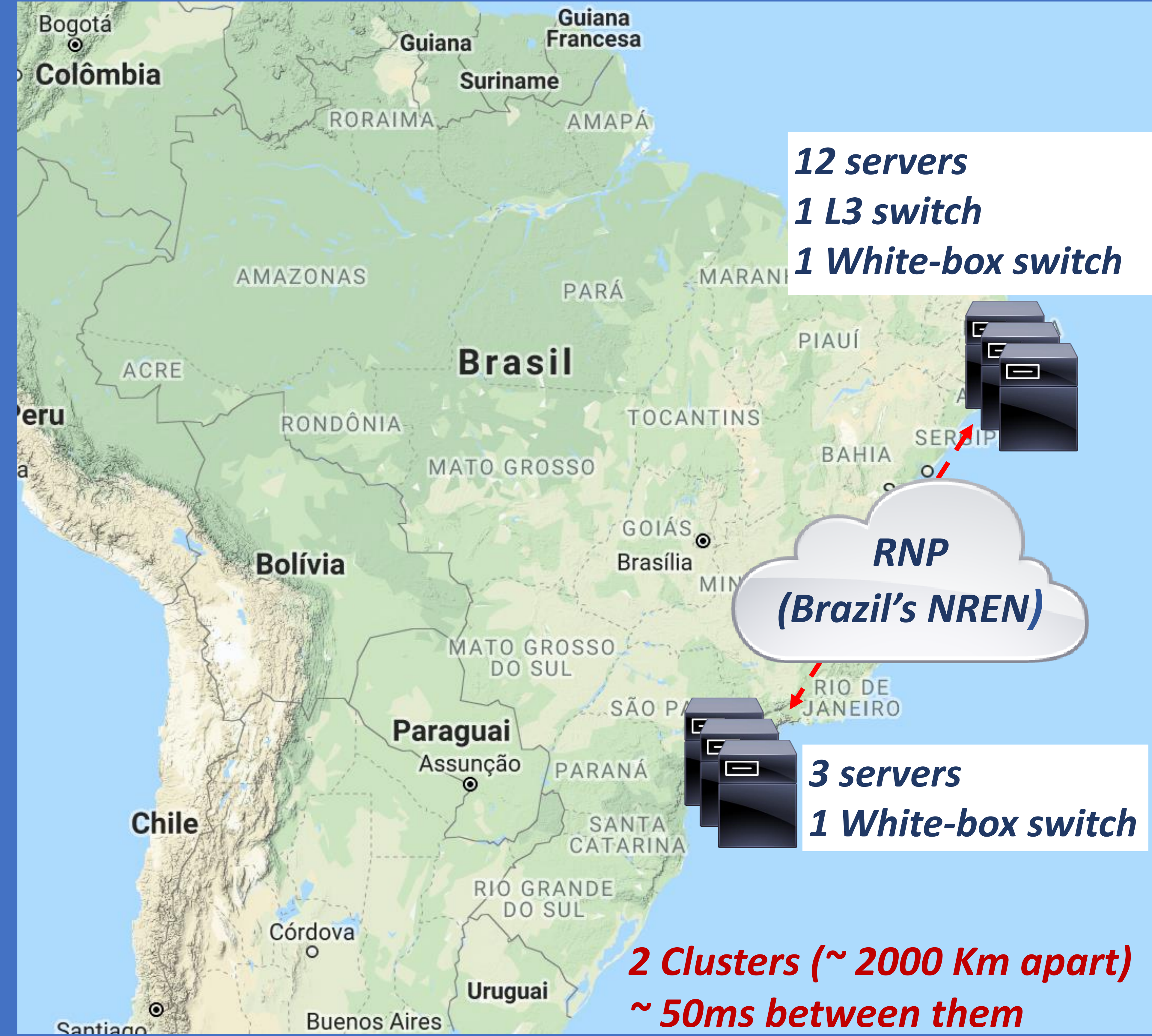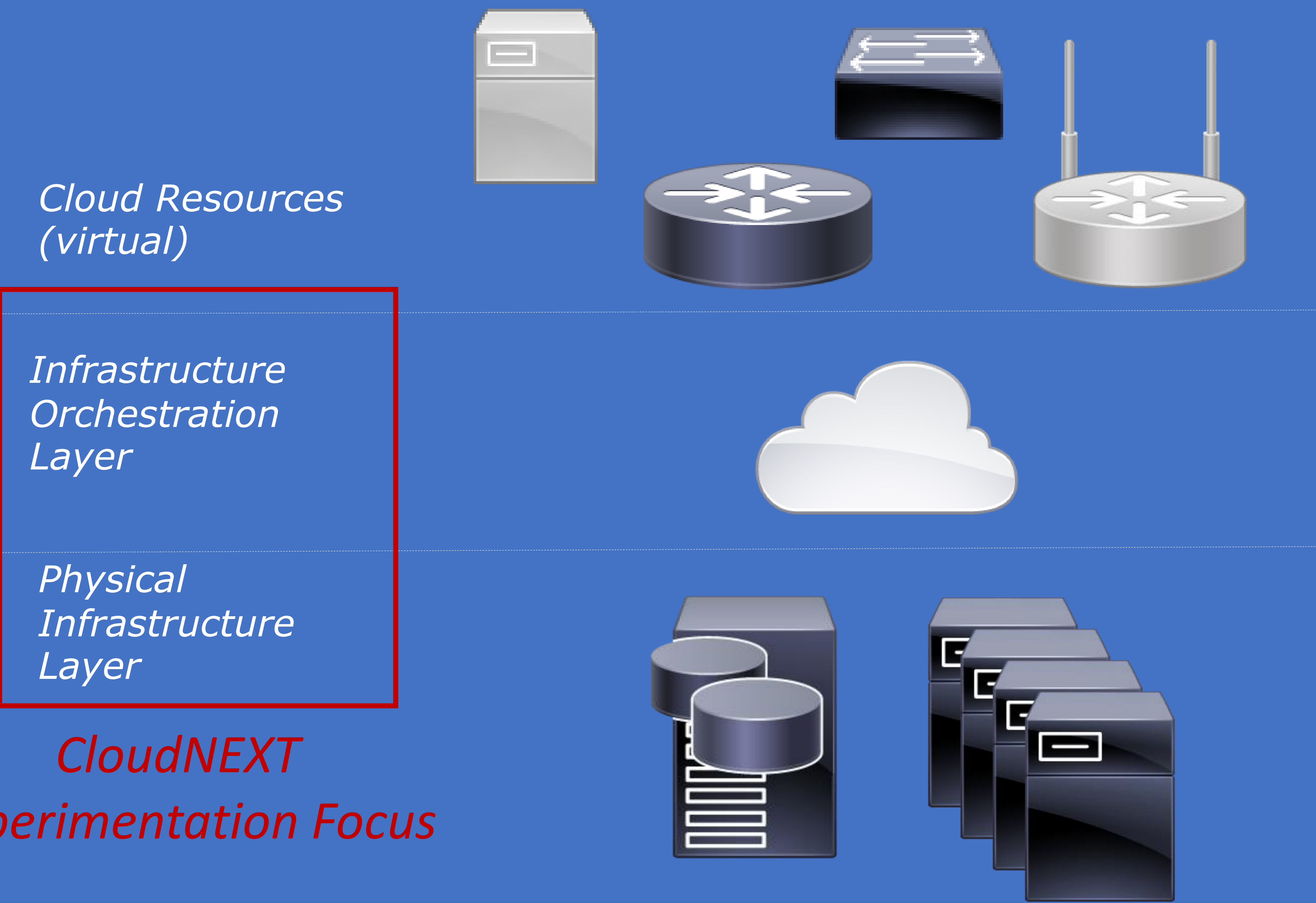# CloudNext: Federated Testbed for Cloud Computing experimentation

*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)**

3 servers
1 White-box switch

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

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