

Virtual Network Management

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PROBLEMS

- Manual configuration of a new service is time consuming
- Reconfigurations are very hard and can cause service or network inconsistencies

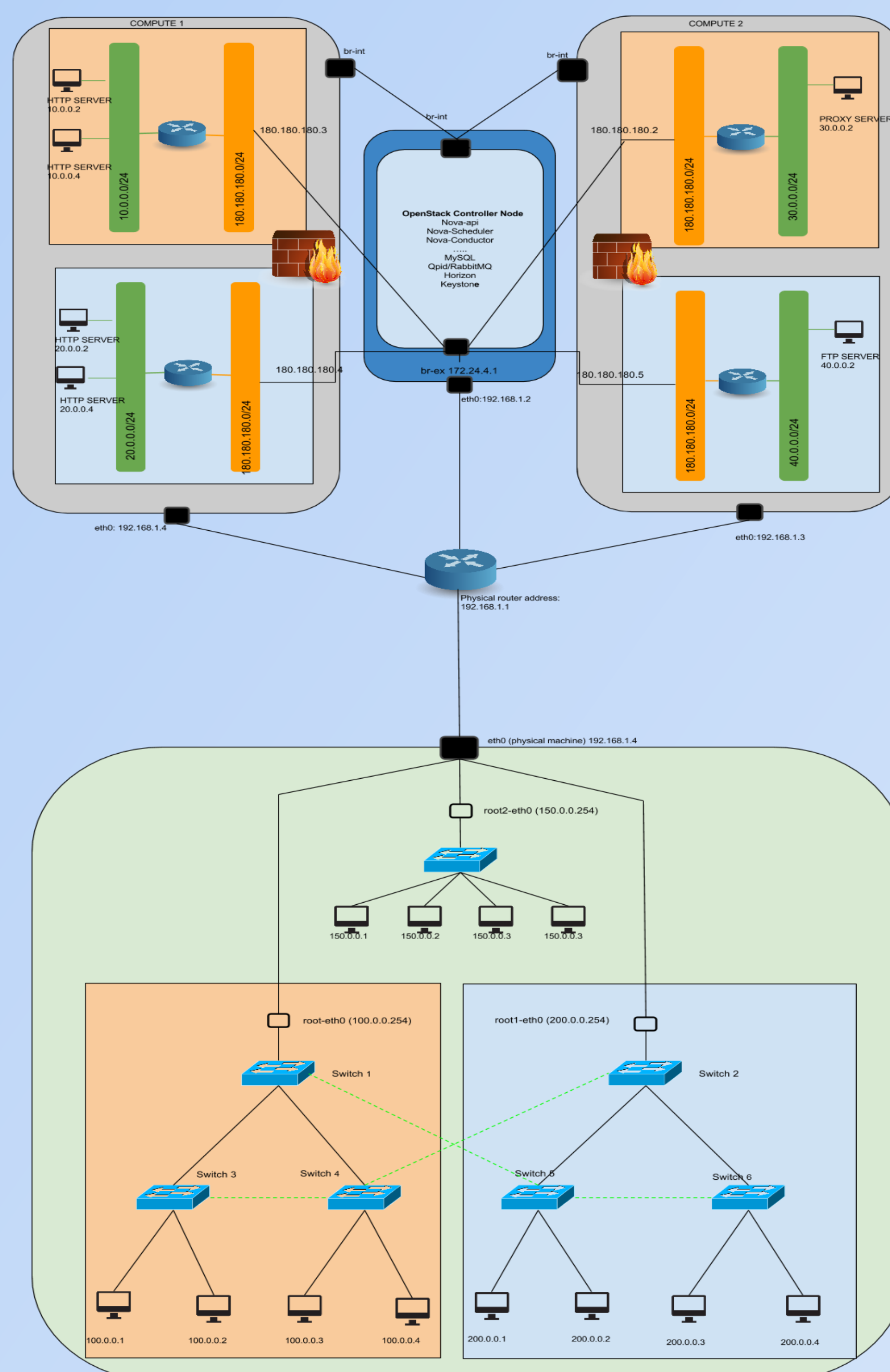
GOALS

- Eliminate box-by-box configuration
- Reduce network complexity
- Reduce CAPEX/OPEX
- Increase network programmability
- Accelerate time to market

APPROACH

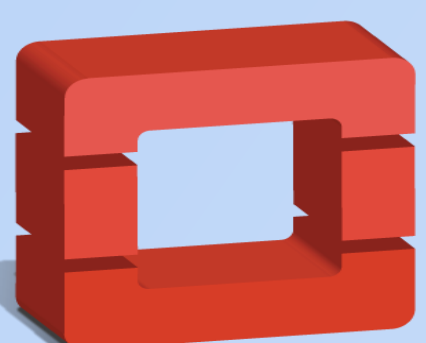
- Separate control plane from the data plane
- Keep the SW simple
- Controller takes all the decisions
- Network services and critical functions running in the cloud
- Failover mechanisms to provide network resiliency

ARCHITECTURE



SERVICES

- Firewall as a service
- NAT
- L3 Routing
- Load balancing between the servers
- Load balancing between the switches
- Monitoring of the switch traffic
- Virtual Private Network as a service



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