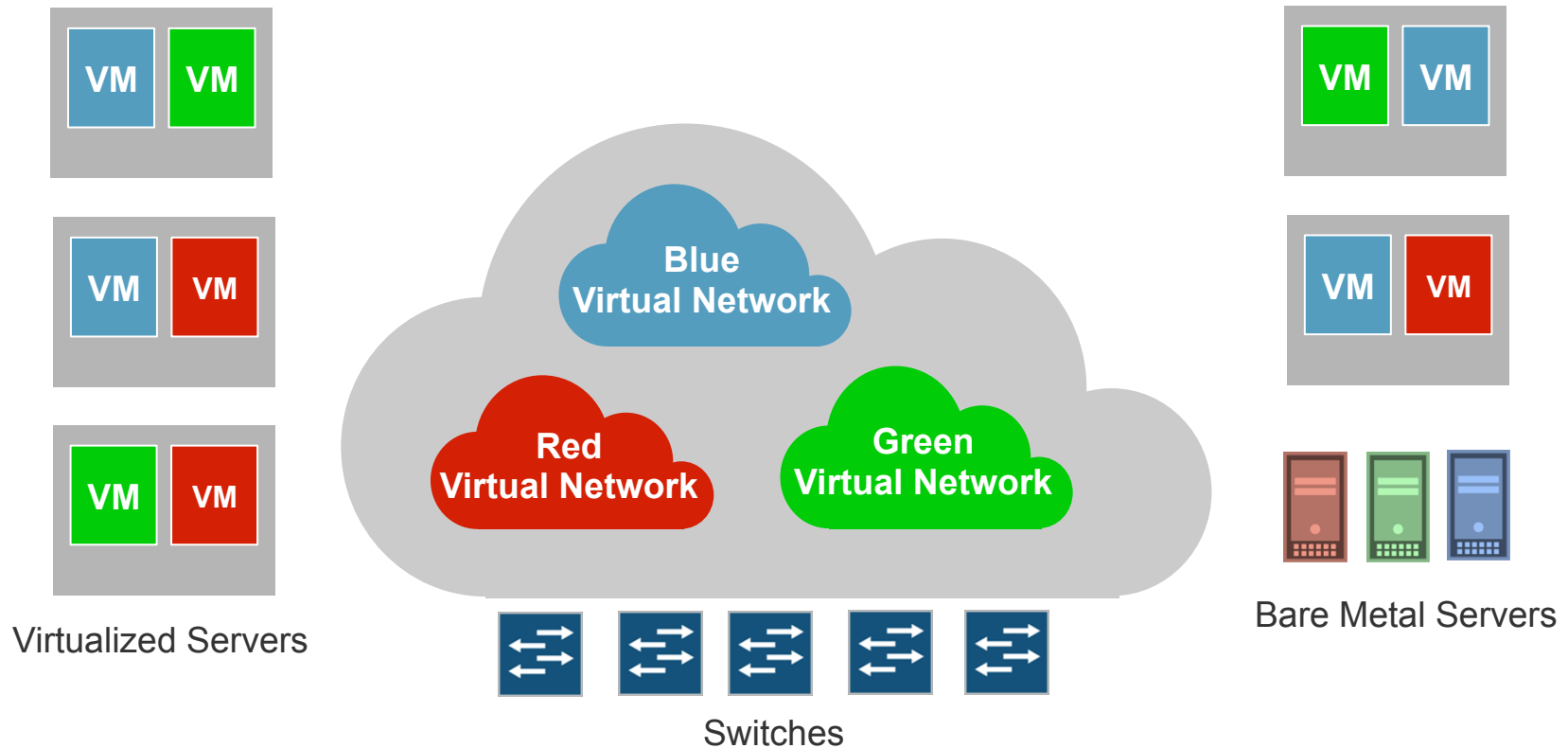




Marcio Pilotto
Gerente de Engenharia de Sistemas
Juniper Networks

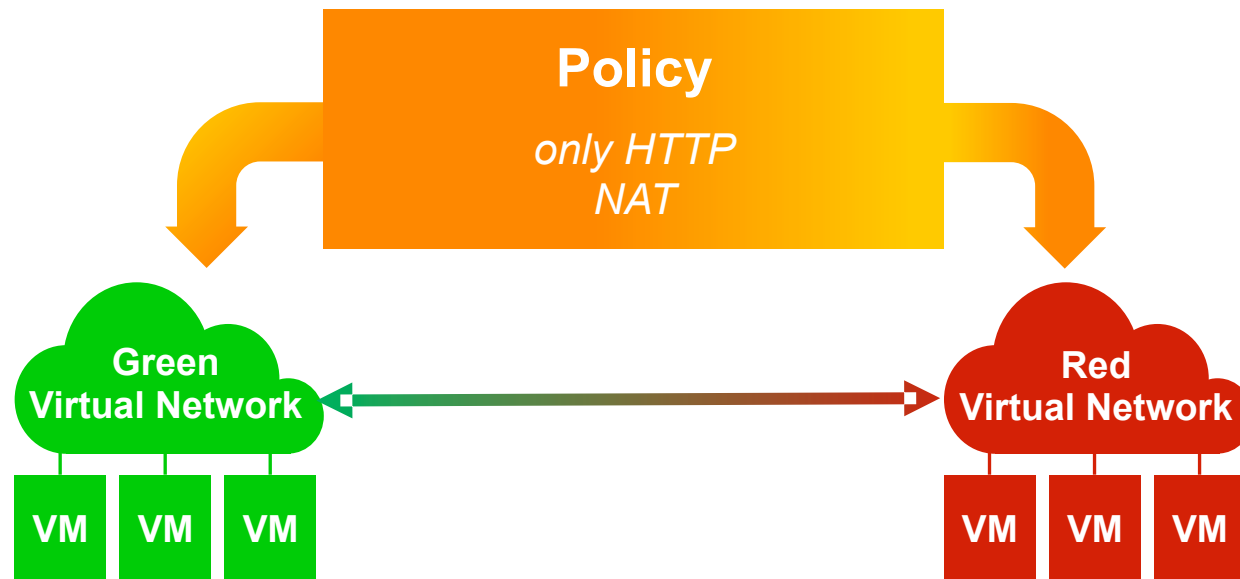
Network Virtualization



Dynamic Network Virtualization at Scale

Without the complexity, scaling limitations, and stability issues of VLANs

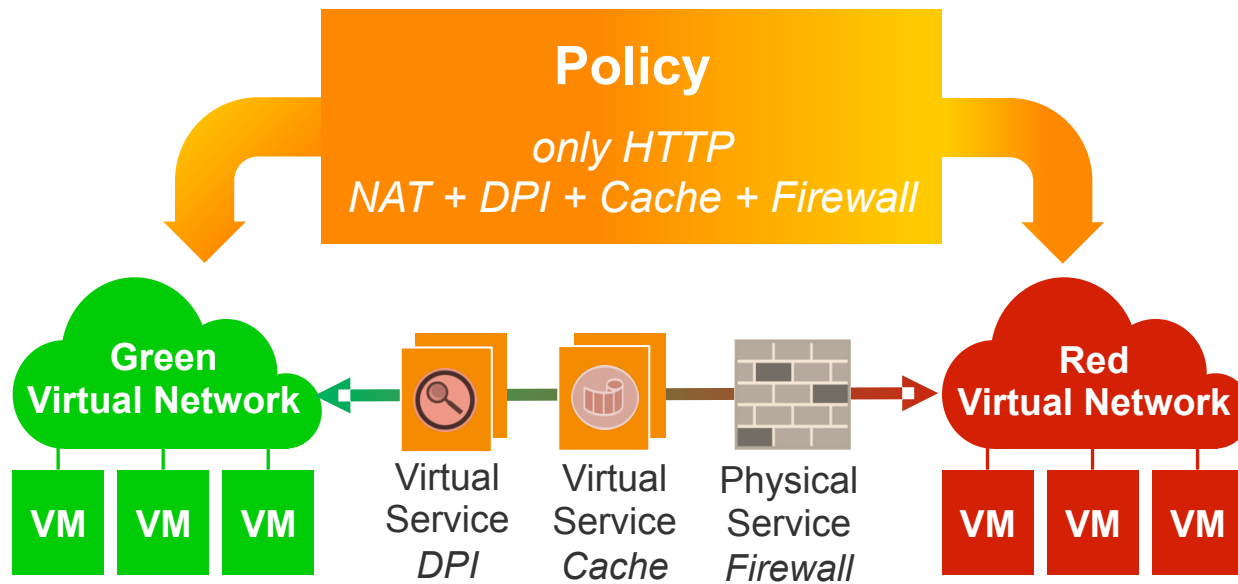
Virtual Network Policies



Virtual Network Policies

At a high level of abstraction, applied at the boundaries of virtual networks.

Service Chaining



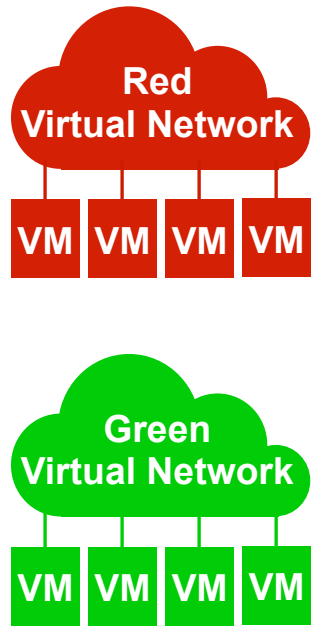
Service Chaining

Policy based application of virtual and physical services with scale-out.

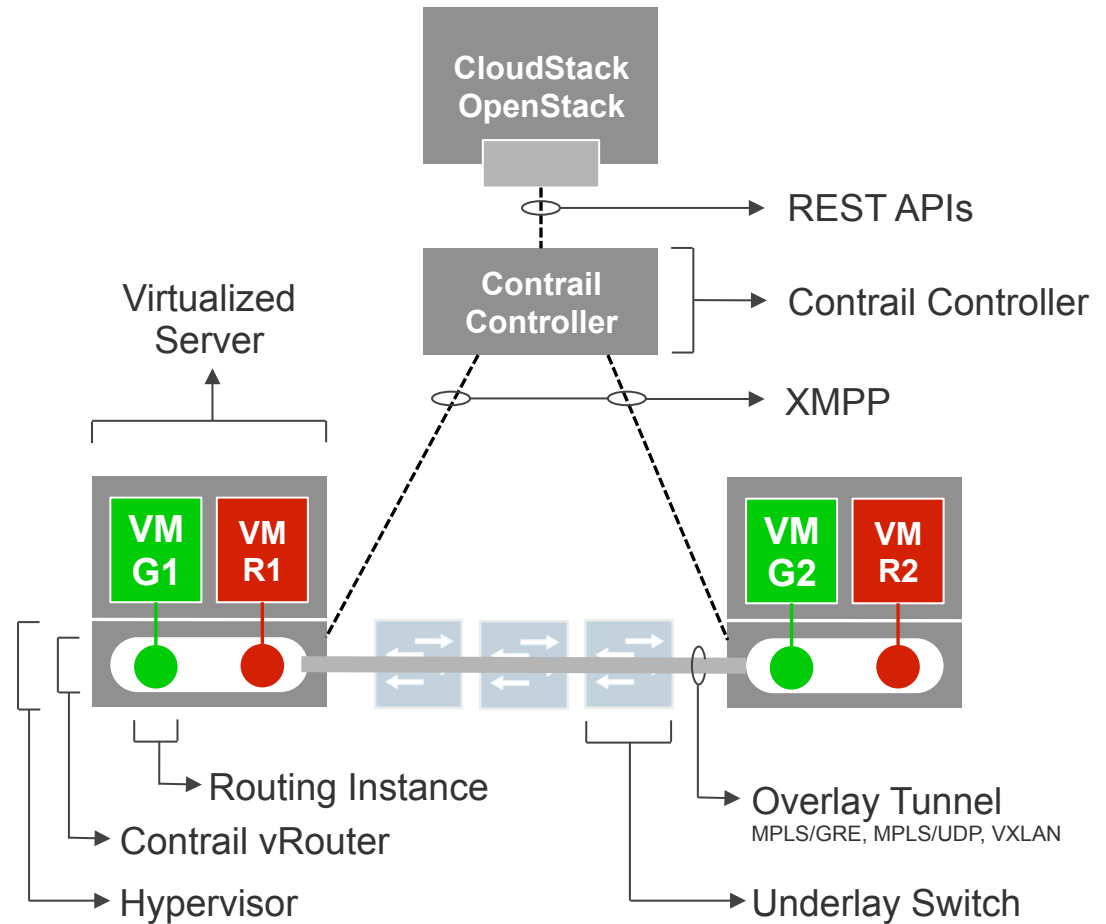
Firewall, Intrusion Prevention, Load balancer, Cache, WAN optimizer, proxy, ...

Network Virtualization

Logical Abstraction

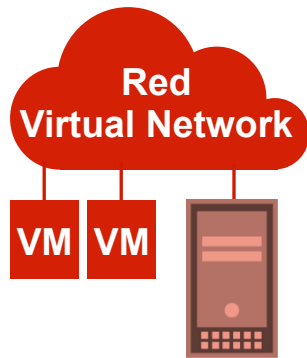


Physical Realization

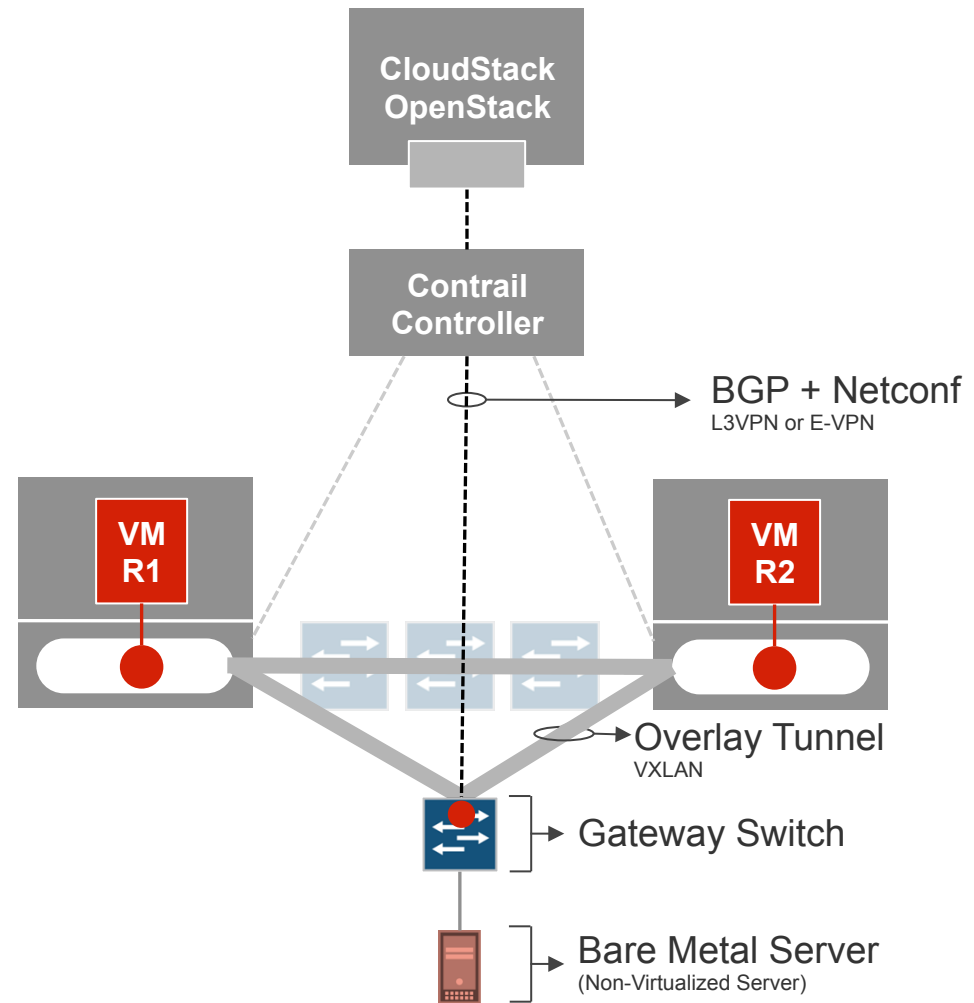


Gateway to Bare Metal Server

Logical Abstraction

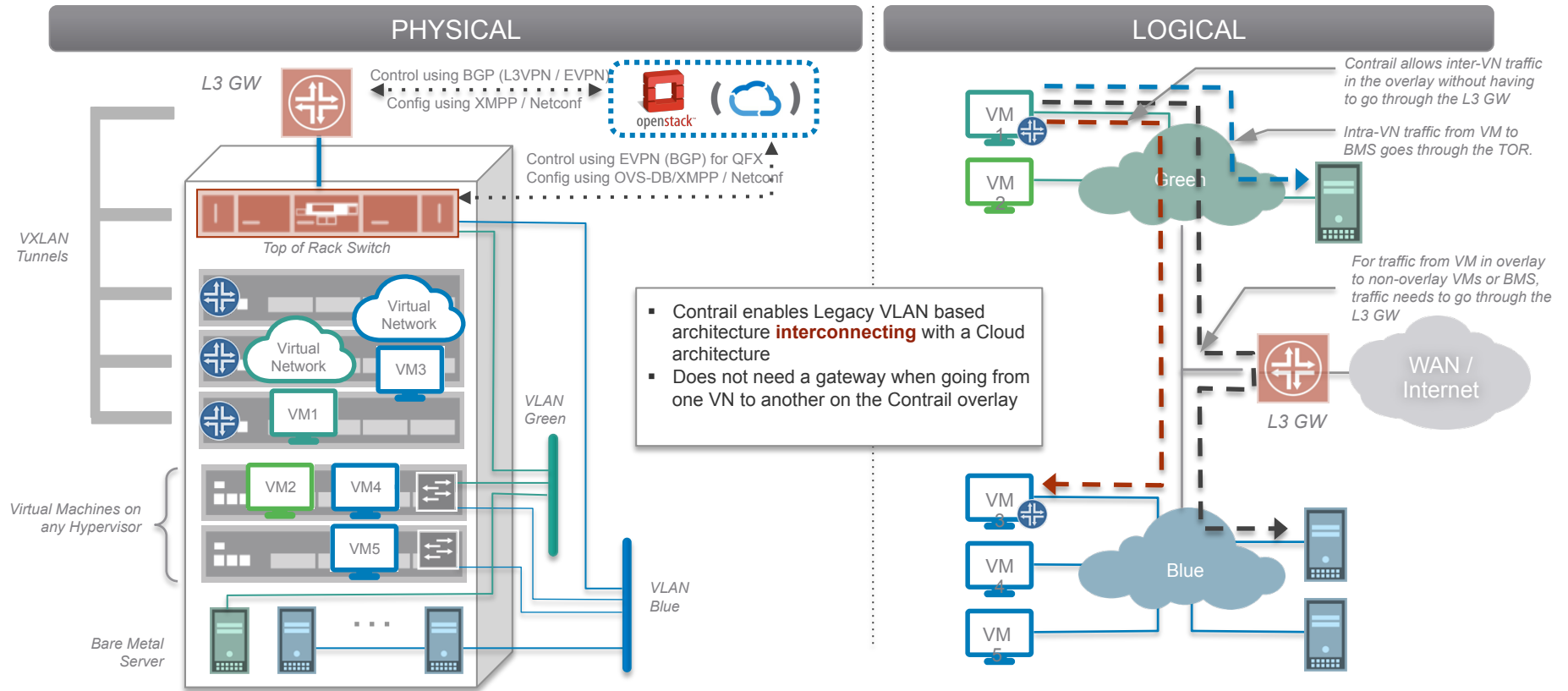


Physical Realization

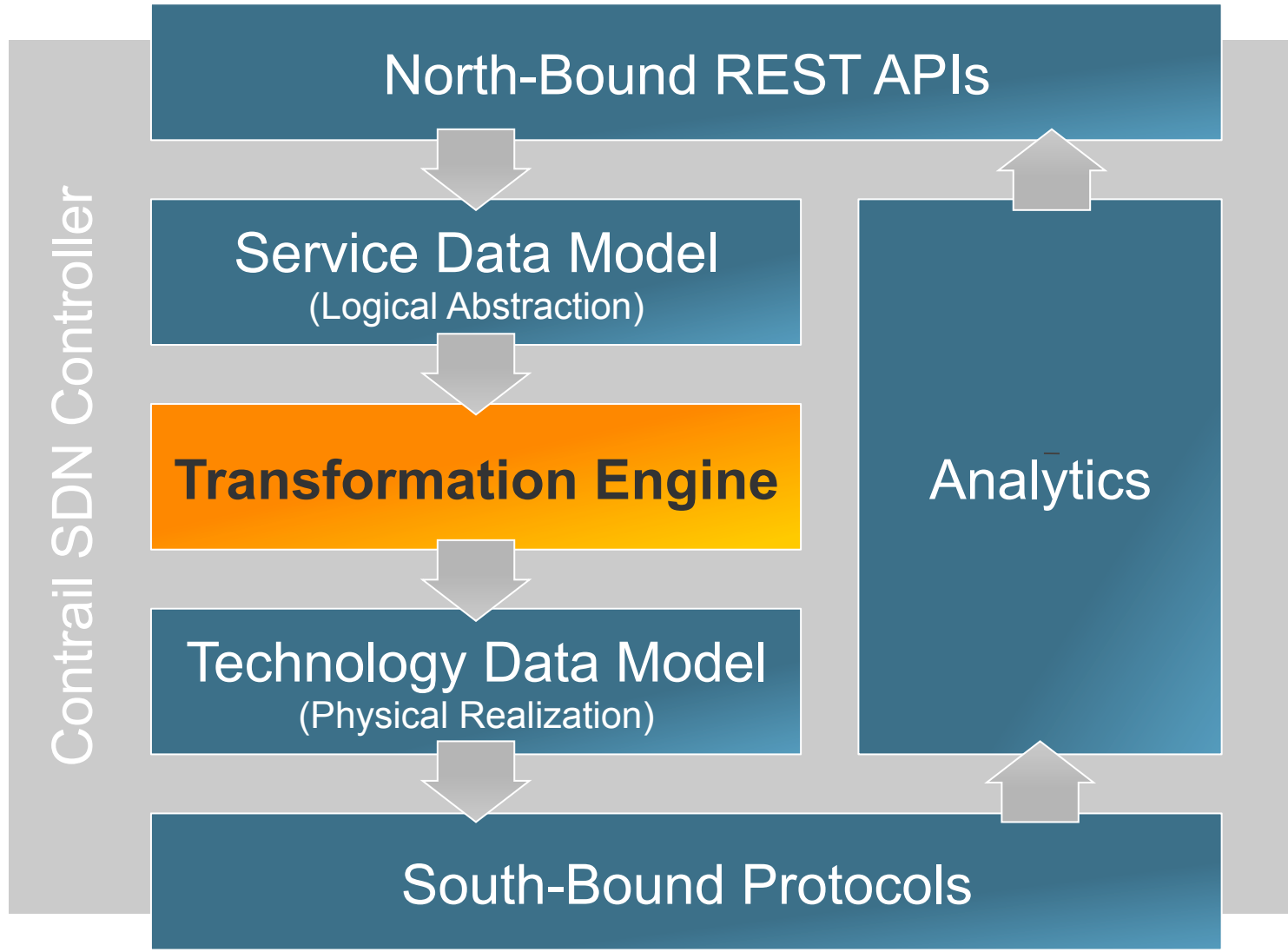


BMS INTEGRATION

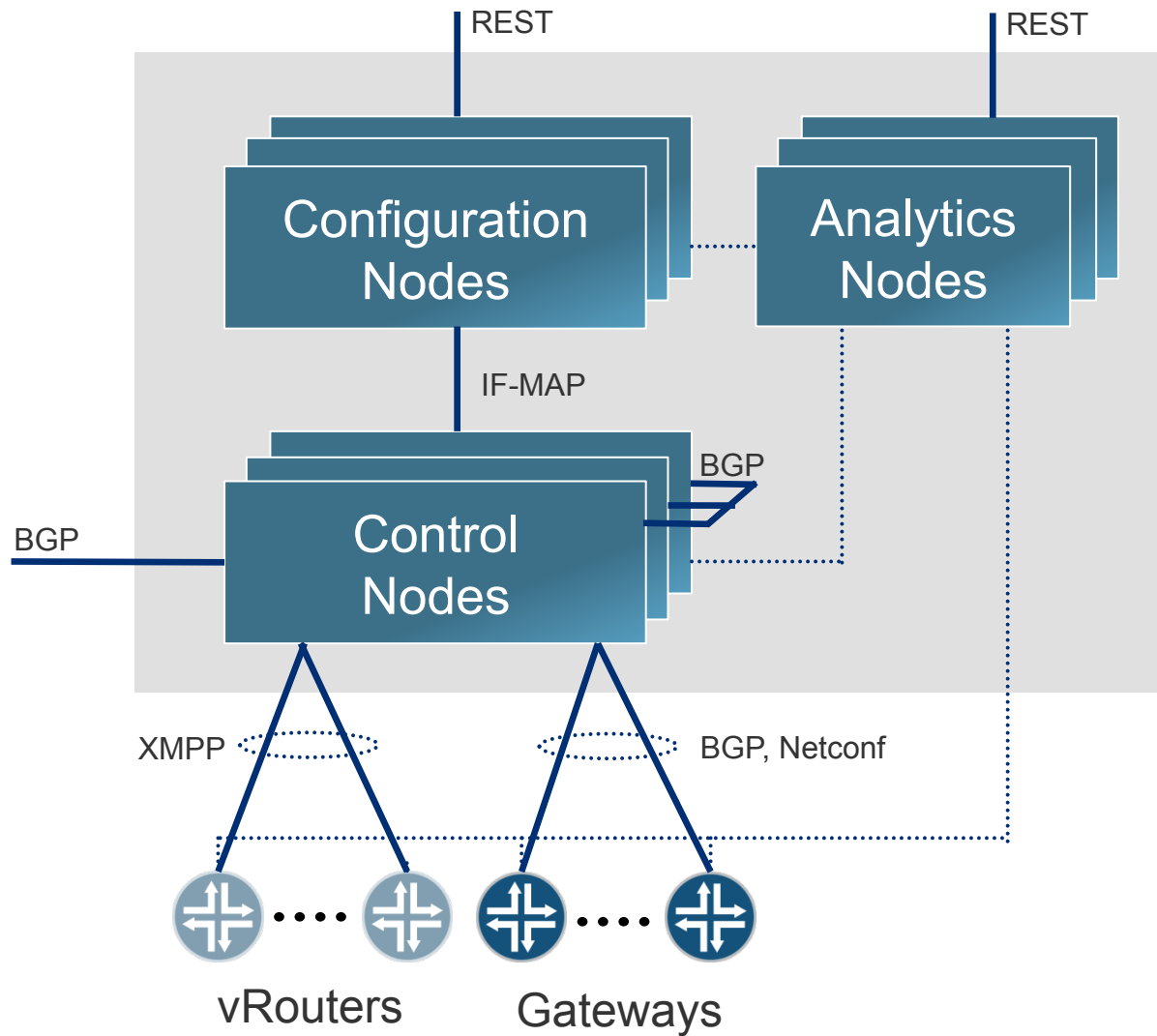
Phy + Virt Interconnect



SDN as a Compiler



Highly Available Scale-Out



Logically Centralized
(Physically Distributed)

Horizontally Scalable

Highly Available
(Active-Active)

Federated

() **OPENCONTRAIL**

- Internet Scale Technology Applied to the Cloud
- Massively Scalable
- Standard Proven Technologies, Multi-Vendor
- Network Virtualization
- Virtual Network Policies
- Service Chaining
- Cloud Interconnect
- Seamless Integration with Physical Network
- Integrated Rich Analytics

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