



SDN 技術への期待

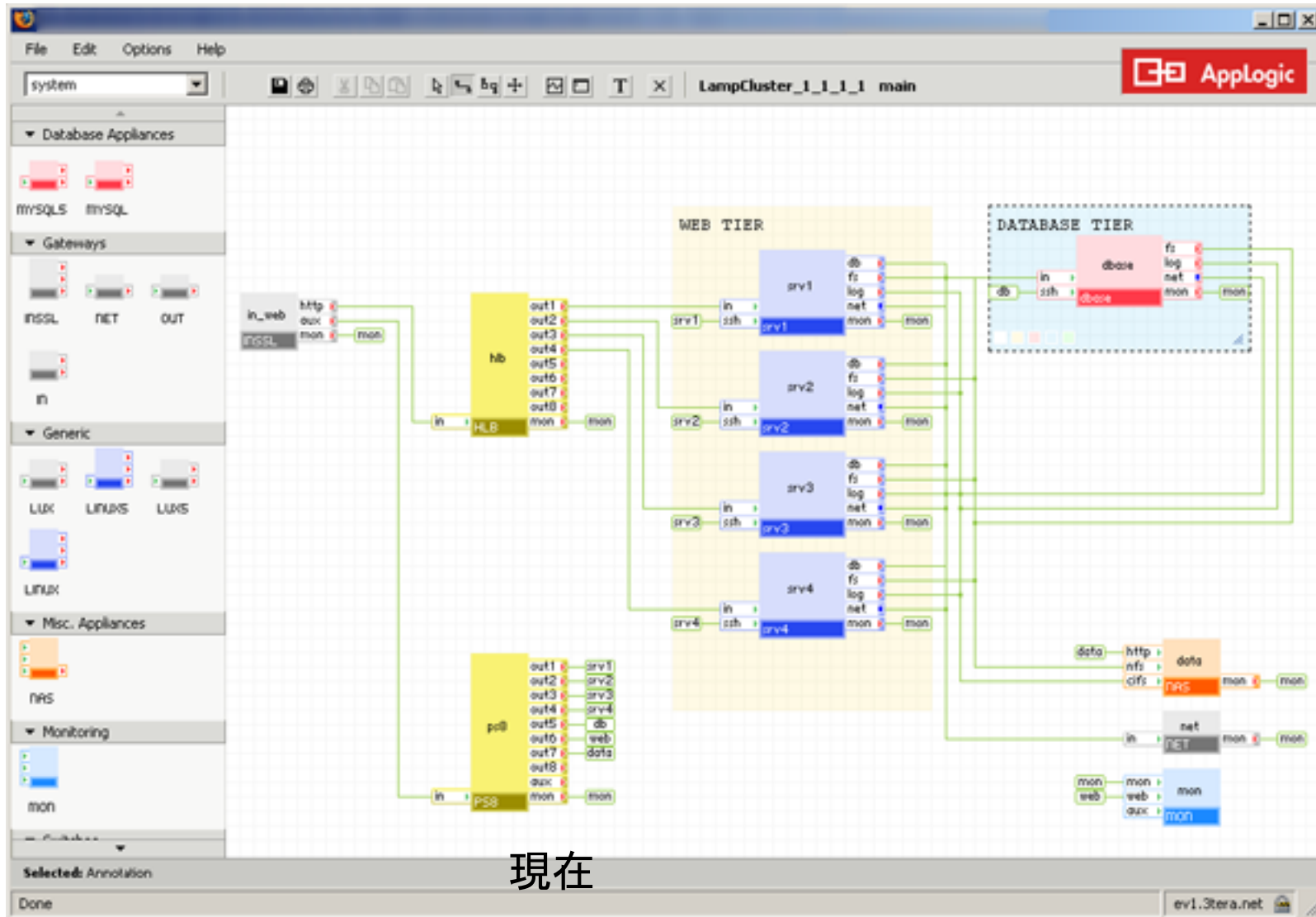
ブロケード コミュニケーションズ システムズ



Software-Defined Networkとは



Software Defined Datacenter

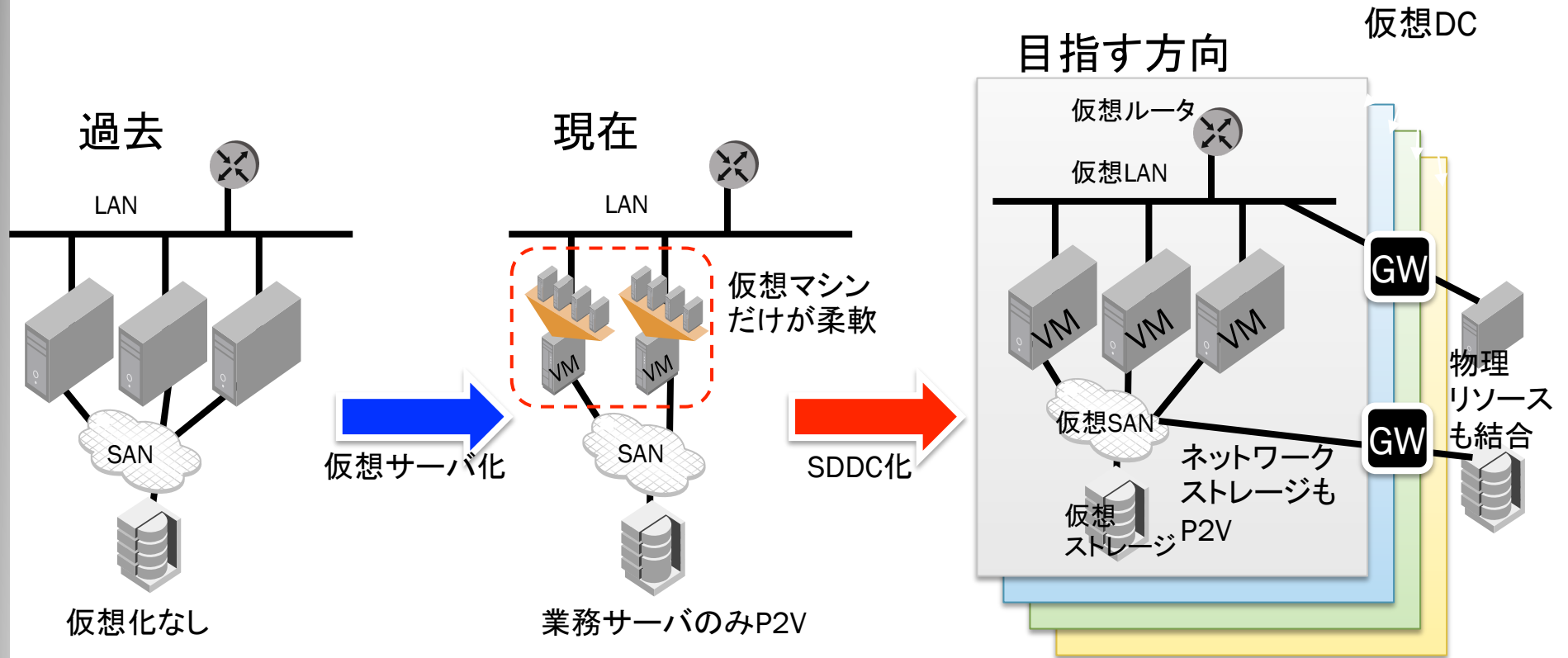


現在



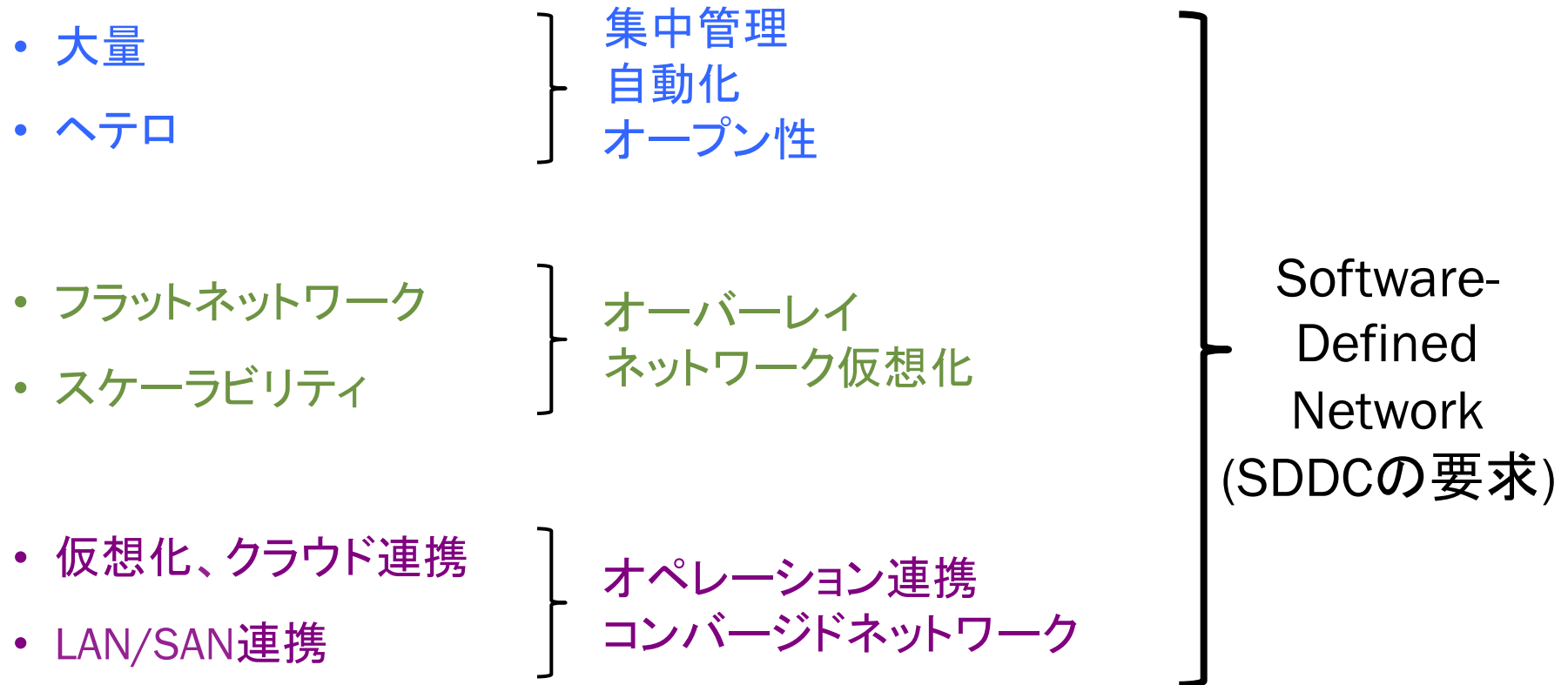
SDNとは

Virtual Enterprise を支えるネットワーク基盤

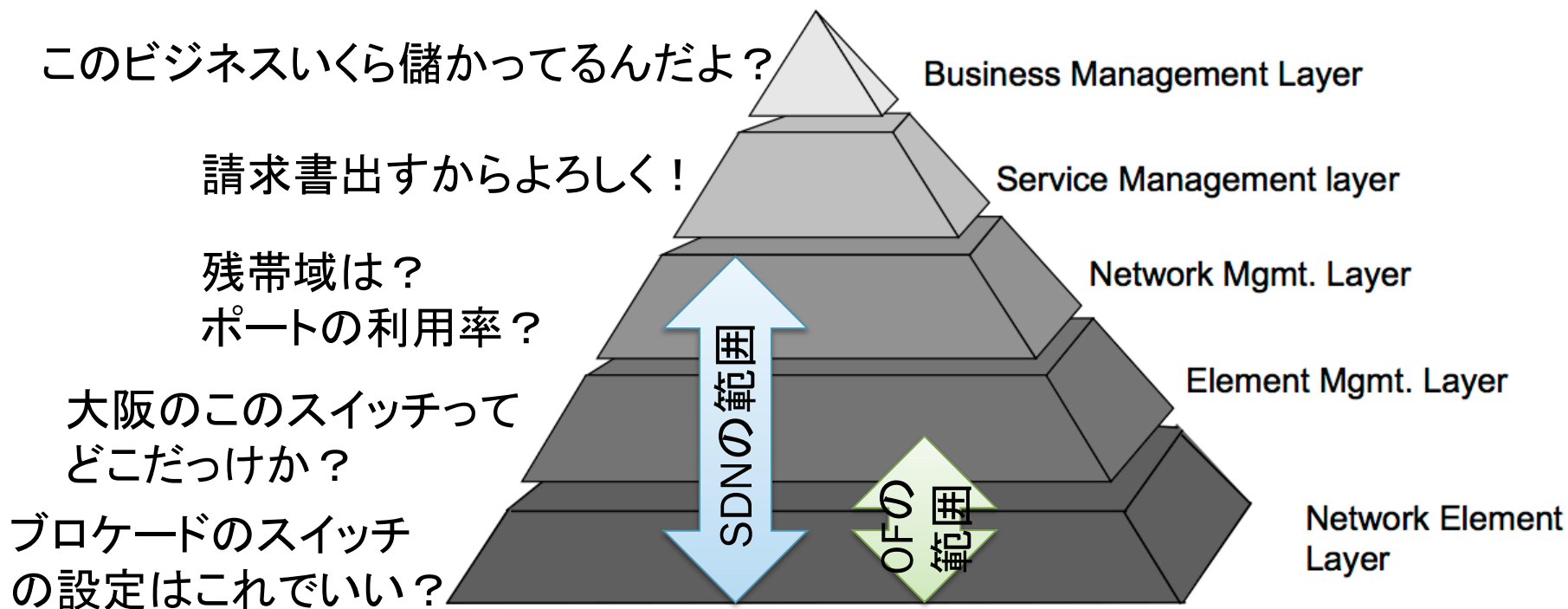


解消すべきネットワークの課題は？

低投資リスクの Software-Defined Datacenter に向けて

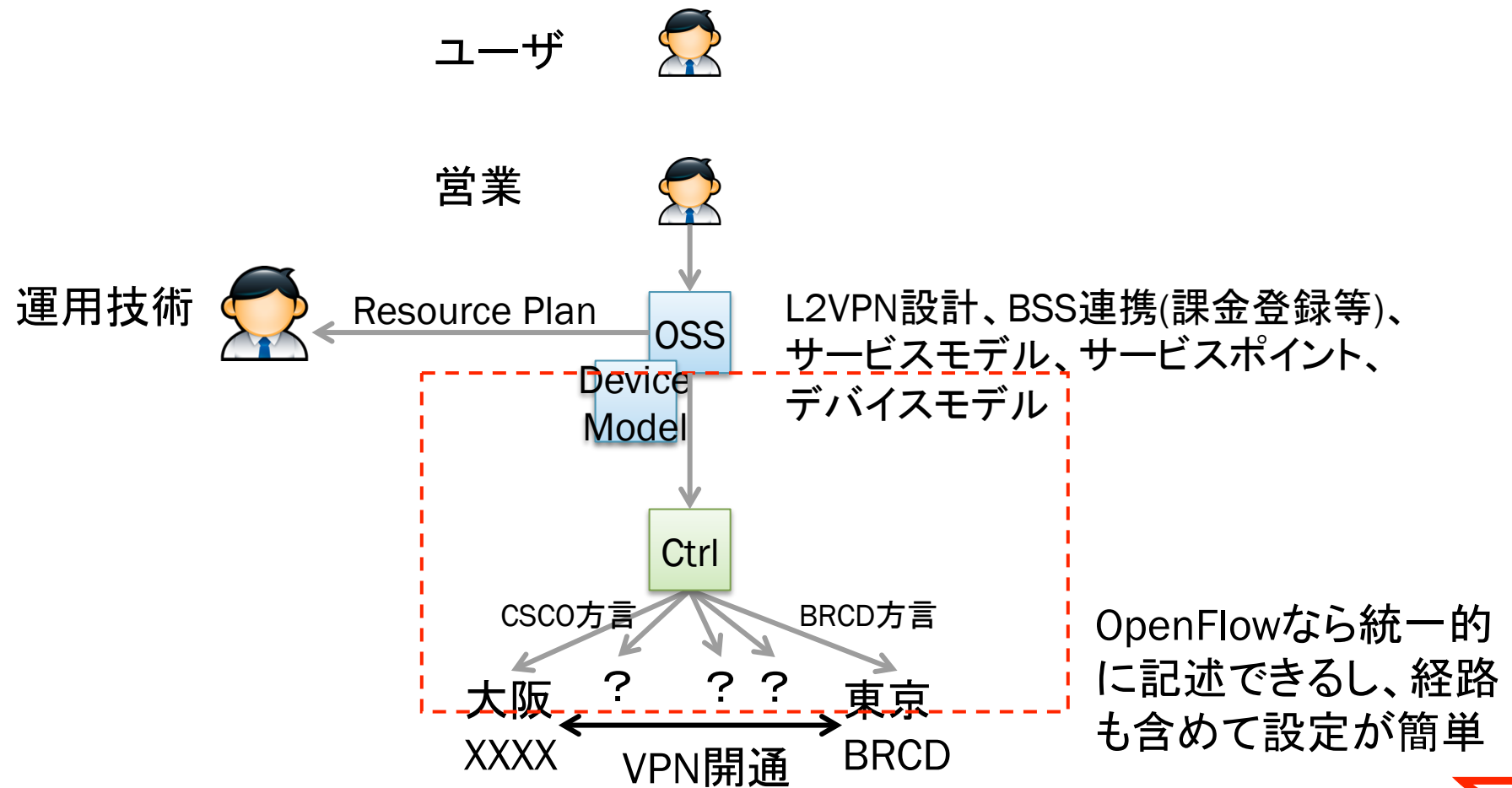


TMN



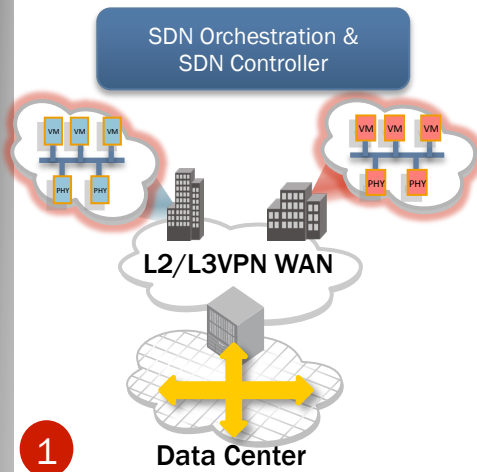
SDNとOpenFlow

SDNとVPNサービスの開通

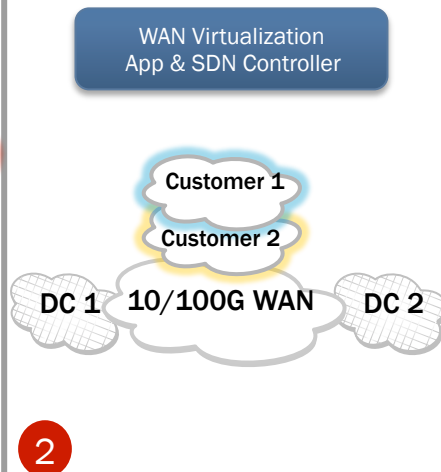


SDN Target Use Cases

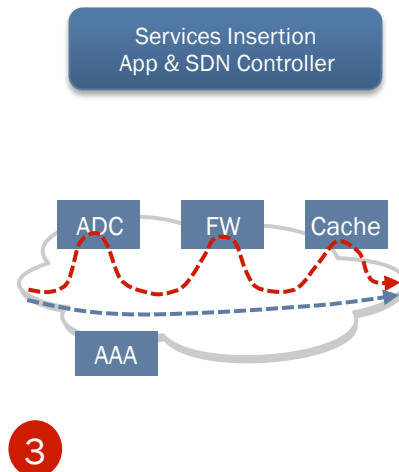
SDN Cloud Gateway



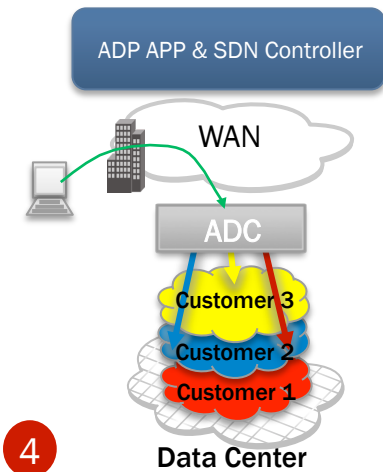
WAN Network Virtualization



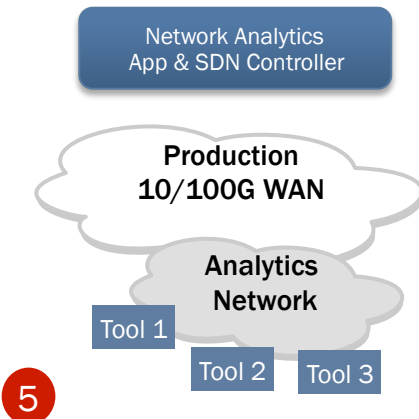
Services Creation & Insertion



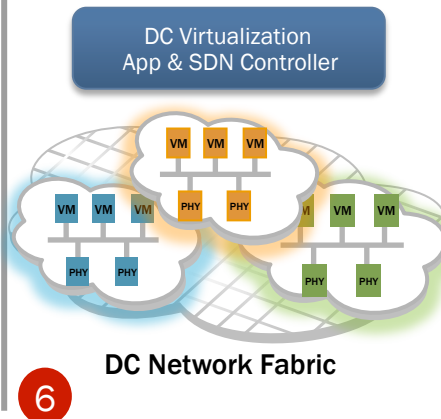
Application Delivery



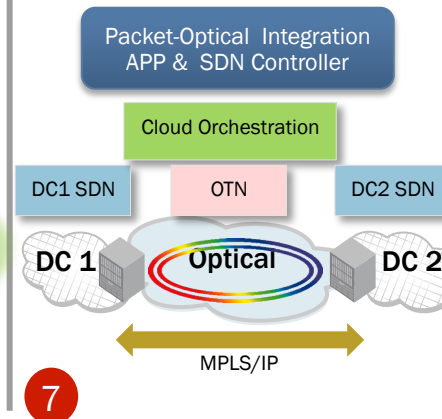
Network Analytics



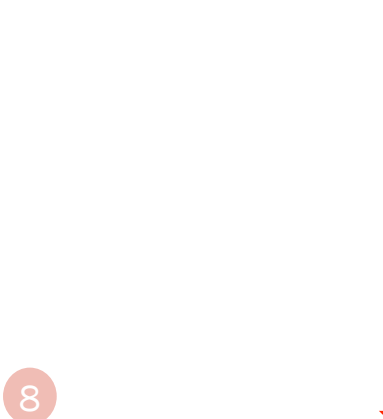
DC Network Virtualization



Packet-Optical Integration



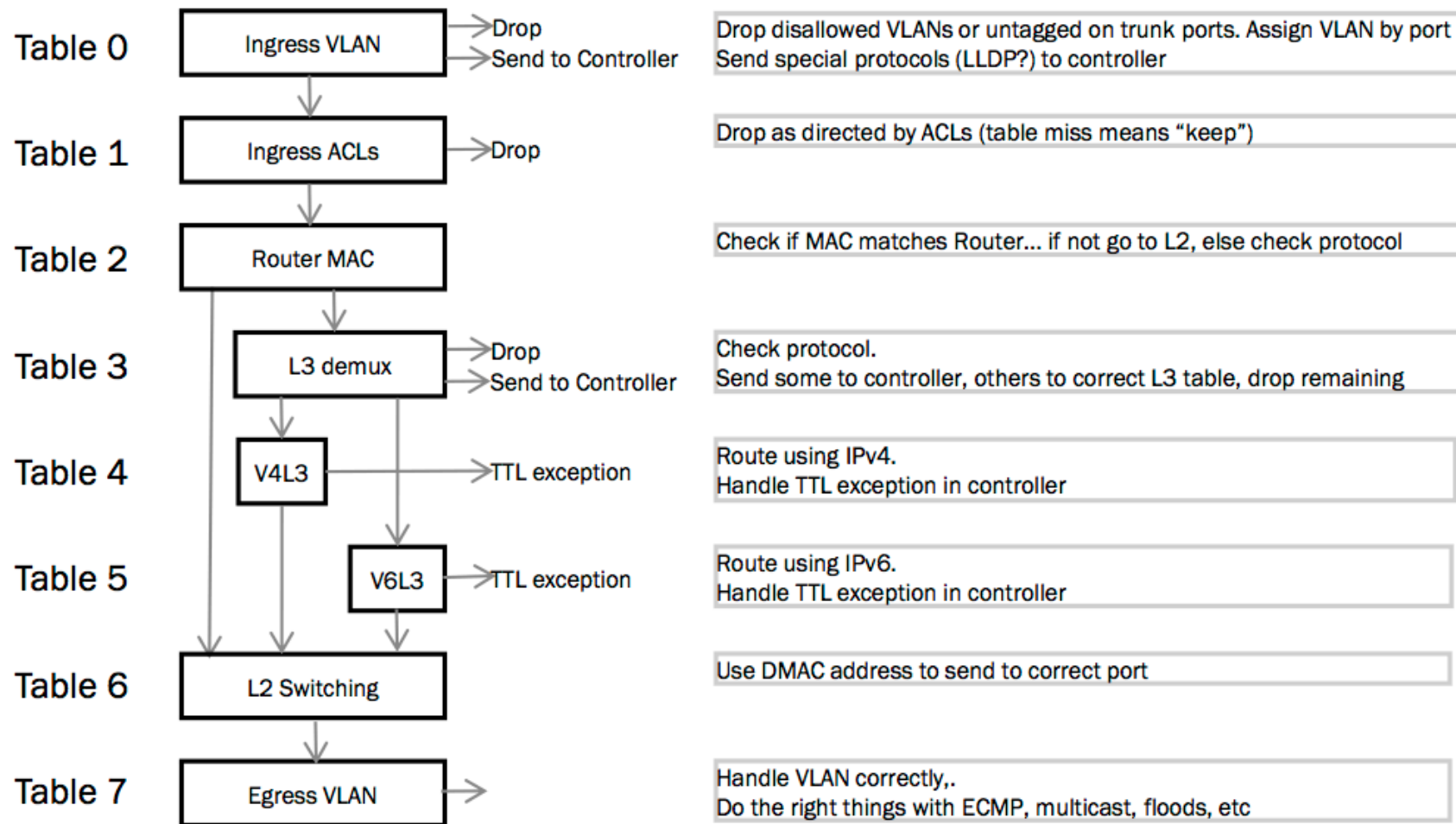
Application Delivery



SDNとハードウェア



OpenFlow Table Type Pattern

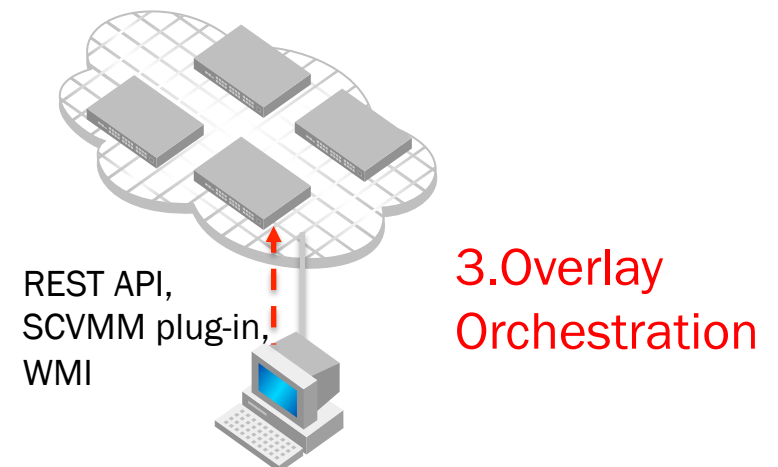
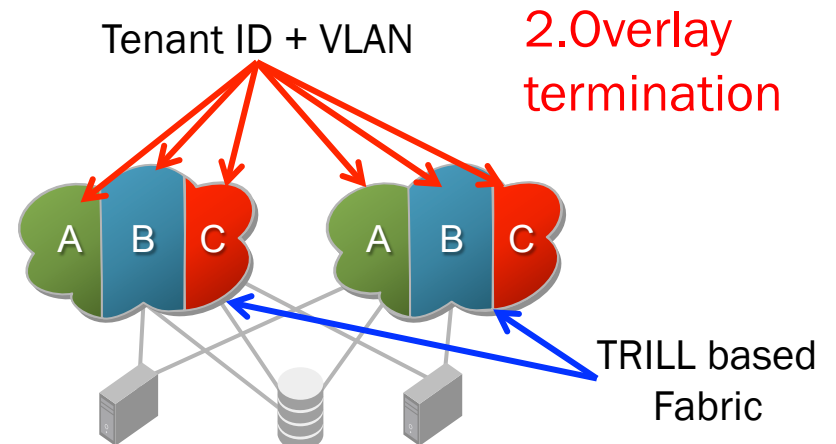
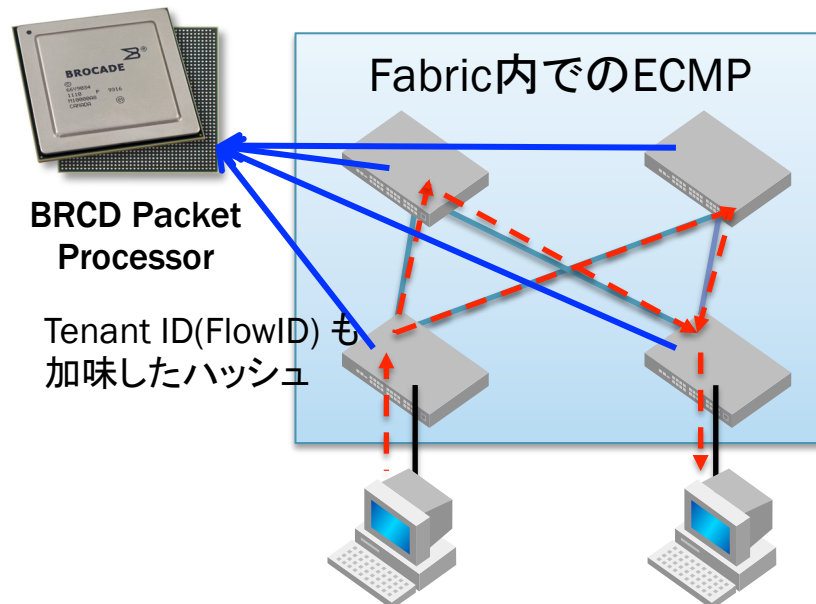


SDNのハードウェアでの実装

1.Overlay transit

ヘッダーをパース

MAC/EtherType/VID/Tenant ID/IP/TCP/(FCoE OXID)



まとめ



まとめ

- SDNはネットワークサービスを革新するテクノロジー
 - OpenFlow はデバイスモデルのシンプル化に寄与
 - North bound API でSDNアプリと結合
 - ASICなどハードウェアは one size fit all にはならない??





Thank you!

