



# NFV Forum – “Way Forward”

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*January 13-14, 2016*

# Inter-Administrative Domain Use Cases

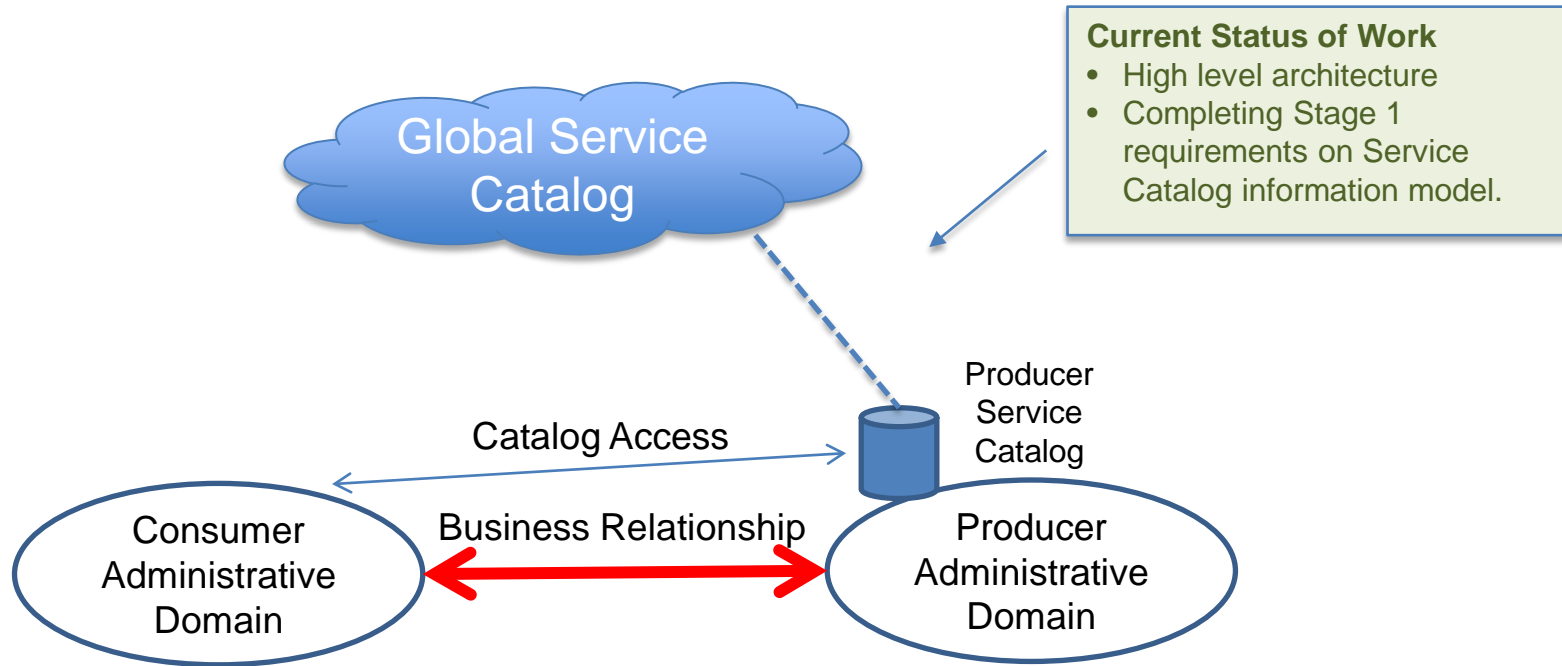
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1. Virtual Network Operator (VNO)
  - Seven deployment models represented by service function chains across the VNO, host service provider, and other service providers
2. Cooperative, Cloud-based CDN
  - The network operator provides a tenant environment where the CDN provider has access to the network operator's bearer plane and policy interfaces
3. Virtualized Content Delivery Across Multiple Access Domains
4. Roaming (traffic control in local breakout situations)

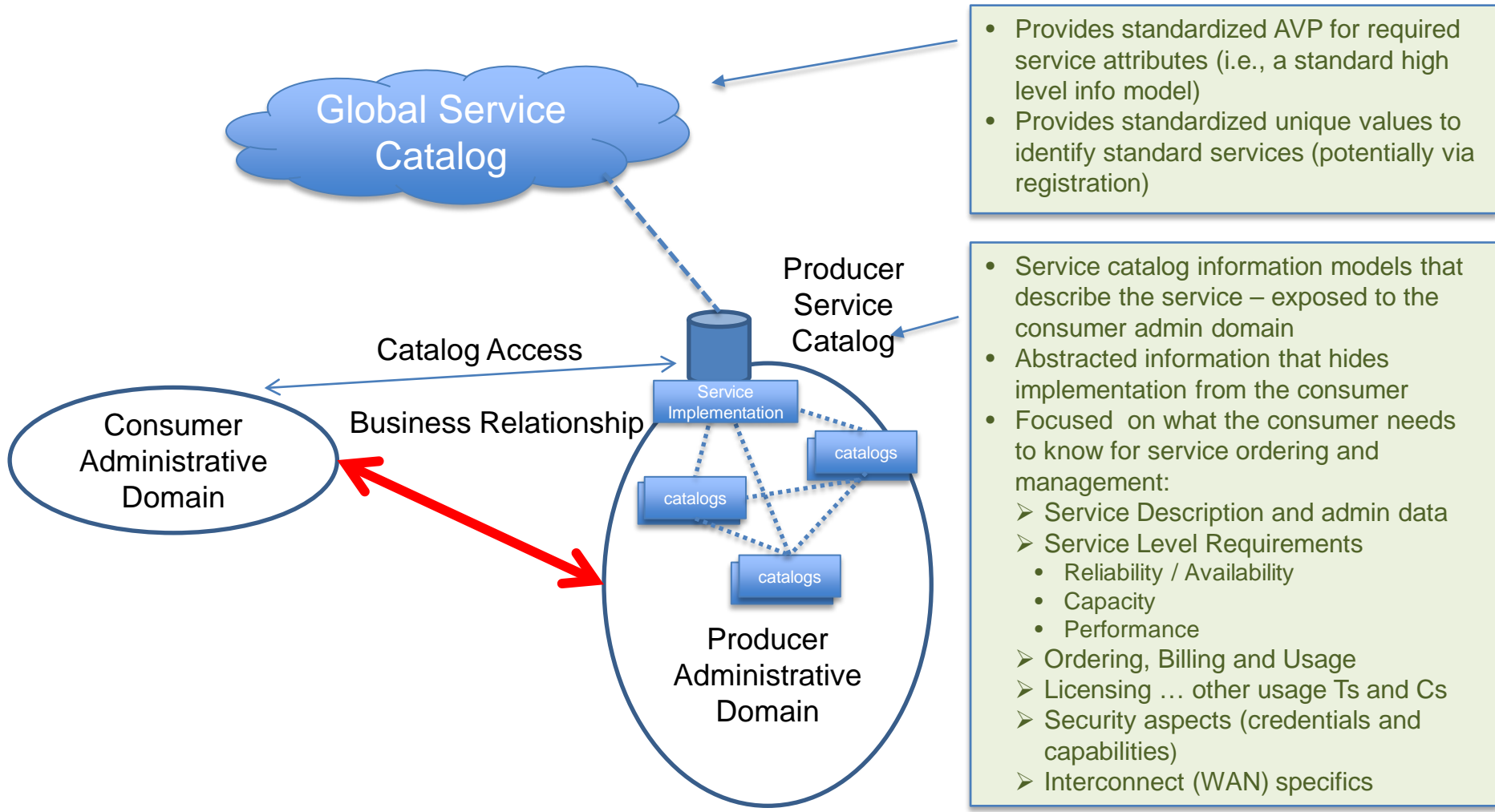
# Inter-Administrative Domain Use Cases

5. Efficient Home-Routed VoLTE Roaming
  - Two models based on 3GPP home-routed architecture including instantiation in a visited network and a third party data center
6. Enterprise Voice/Collaboration Arrangements
  - The service terminates mobile traffic through an Access Point Name (APN) VNF to an enterprise VPN solution
7. Enabling Service Function Chains with Third Party VNF
  - Service Function Chaining of VNFs across network function service provider and network service provider
8. Enabling Third Party VNF Applications
  - An extension of #7 to allow for third party developers

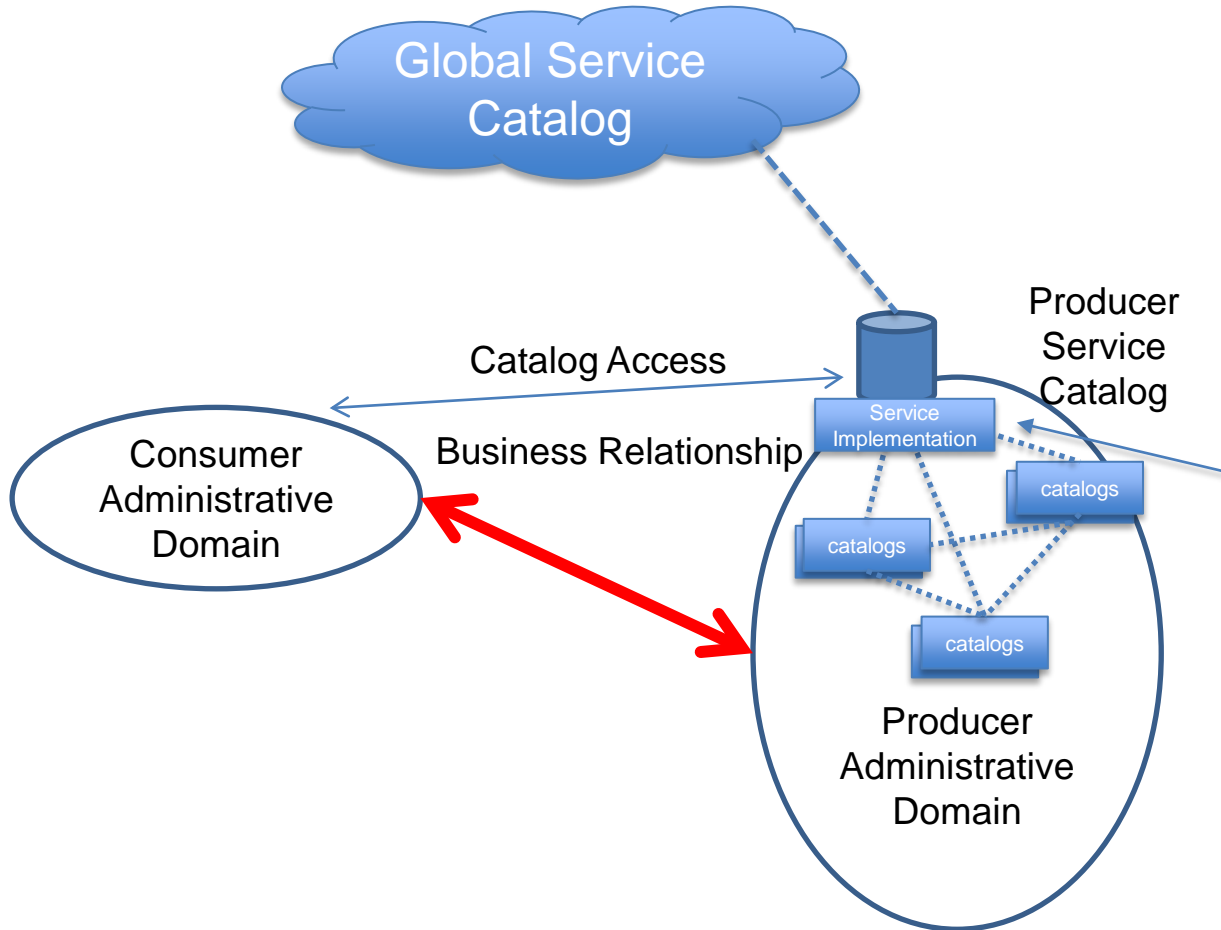
# Inter-Administrative Domain Use Case Architecture



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# Inter-Administrative Domain Use Case Architecture



- Service implementation hidden from consumer administrative domain
- Includes Service Descriptors
- High Level Service may be an integration/aggregation of application, service and transport building blocks
- Need for a hierarchy / multiplicity of information models and/or instances to build complex services