

Tentative Title: **VPN Extension to Private Clouds (VEPC)**
(using virtualization and for customer segregation)

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VPN Cloud Extension

- Address the service providers' requirements to support Cloud services interworking with the existing MPLS-based network technologies
- Service interworking with today's L2 and L3 VPN based-services.
 - Leveraging new and existing access technologies.
- Maintenance of virtual separation of the traffic, data, and queries must be supported for the customers that are conscious of end-to-end the security features and functions.

FYI, In the IEEE...

- 802.1aq Shortest Path Bridging
- 802.1Qaz ETS
- 802.1Qbb PFC
- 802.1Qbg EVB
- 802.1Qbh Bridge Port Extension

Considerations

- How to use new access technologies in multi tenant environments...
- Attachment models to L2VPNs and L3VPNs
- QoS and Discovery of new compute resources
- CE's aren't static anymore
 - Virtual machines are also a CE and are mobile

Discussion