

Requirements and Framework of VPN-oriented Cloud Services

<http://datatracker.ietf.org/doc/draft-so-vpn-o-cs/>

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What Is VPN-o-CS

- ✚ VPN-Oriented Cloud Services are the extensions to the existing L2 and L3 VPN services into cloud data centers and to control the virtual resources sharing functions
 - ✚ Strictly maintaining the secure, reliable, and logical isolation characteristics of VPN
 - ✚ Making the data center resources as additional attributes to VPNs
 - ✚ Allowing end-to-end VPN-based service management
 - ✚ VPN having the control on how and what data center resources to be associated with the VPN

Layer 2 and 3 VPN services offer secure and logically dedicated connectivity among multiple sites for enterprises. VPN-oriented Cloud Service is for those VPN customers who want to offload some dedicated user data center operations to the shared cloud centers.

What Do We Expect From OPSAWG

- ⊕ This draft, along with multiple drafts addressing various IETF related technical issues facing cloud architecture and service problems, need a WG home
 - ❏ Cloud issues are usually multi-faceted, multiple Areas and WGs' protocols can be impacted
 - ❏ It is difficult to identify all the appropriate WGs; it is even more difficult to track what has been done where and when
 - ❏ This is not only a problem for the drafts' authors and sponsors, it is also a problem for IETF leadership
 - ❏ Ron Bonica suggested to consolidate all the Cloud Operations and Management related drafts to OPSAWG for IETF 80 in order to properly estimate the scope of the problem
 - ❏ Is a new DCOPS WG needed?