Wholesail Networks LLC

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SeattleIX interconnection request

Pursuant to the SIX interconnection policy located at http://www.seattleix.net this documentation serves as notice of intent, subject to SeattleIX board approval, to connect a new extension to the SeattleIX.

Our MPLS EVPN based extension will support SIX ports around the northwest via our regional MPLS network, at this time port speeds of 10G and 100G will be supported and the interconnection will initially be a pair of 100G circuits.   Service availability will cover our entire MPLS enabled network, which today consists of over 400 routers, network topology and hardware are consistent and capable of 10G at every site.

The interconnection itself will consist of a single LACP bundle of two 100G ports, these ports will be connected in a multi-chassis LAG on our side of the network to provide chassis diversity.   Our side will not participate in any spanning tree or other protocols and will utilize an EVPN Ethernet segment configuration to keep state information between the members of the LACP bundle.   The bundle itself will use static MAC configuration for the LACP identifier and all customers will be specifically MAC filtered and limited to a single MAC.   The LACP trunk will be setup as a 9114 byte MTU trunk with tags supporting all three SeattleIX VLANs.

All interconnections with the SeattleIX will be terminated on cisco NCS5502-SE routers located in the Westin Building, customers will be terminated on various MPLS PEs around the network and directly connected to those ports without the use of NIDs, customers will be configured as untagged or tagged depending on their utilization of one or multiple SeattleIX VLANs.

At this time we are expecting several participants to use our SeattleIX extension service and two are already committed.

Wholesail Networks / Ziply will pay the port fees associated with the ports for this service.

Diagram of initial connections: