



11/13/2024

Subject: Wowrack Interconnect Revision Proposal

Pursuant to the Seattle Internet Exchange policies and rules at <https://www.seattleix.net/rules>. This document serves as a notice of intent, pending the Seattle Internet Exchange Board approval, to migrate Wowrack extension with the SIX, previously dated 9/22/2020 located in 12201 Tukwila International Blvd Suite 100. The purpose of this revision is to migrate Wowrack existing transport layer to the SIX Core: Intergate to Arista DCS-7508 extension switch.

1. Wowrack proposes to migrate existing transport switch to Arista DCS-7508.
2. The switches will be powered by redundant AC power that are protected by both Datacenter UPS and generator power.
3. Sufficient identical switch will be kept as spare including its components.
4. The switches will support both the standard and jumbo MTU frame VLANs.
5. The switches will be managed and metrics monitored 24x7 by Wowrack NOC for congestion, latency, errors or failures.
6. The 2x 100G SIX connections at the Westin Building will be decommissioned upon migration to the Sabey Data Center (SDC) Intergate East location and will be connected directly to the SIX Core: Intergate with 2x100G LACP trunk/peer links.
7. Wowrack will bear the costs of the extension switch including its maintenance, power, colocation, cross connects and the transport connecting to the SIX Fabric.
8. Wowrack will upgrade and bear the cost to increase uplink capacity if utilization goes above 66% on a 5-minute sample.

Switch policies:

1. Members will be made aware they are connecting to an extension switch.
2. Members will be made aware and adhere of the SIX rules (<https://www.seattleix.net/rules>).
3. There will be minimal monthly port fees to cover portion of the transport and cross connect.
4. Members will be limited to a single MAC address per VLAN.
5. Members will be provided with graphs and statistics on their port(s).
6. BPDU will not be permitted.

7. Violation of the above or any of the SIX policies will result in port shutdown

Implementation:

1. Wowrack will order and run new 2x100G cross connect with Sabey Data Center (SDC) provider upon approval by the SIX.
2. Equipment installation and topological change migration will occur in two phases with phase 1 occurring within 45 days of the approval of the SIX: the migration of the 2x 100G uplinks. Phase 2 will involve migrating clients from the 2 existing Dell S4810 extension switches directly to the Arista and removing the existing extension switches, to be completed no later than March 31, 2025.
3. Future deployment of a switch on the 3rd floor may be required due to limited fibers between the 1st and 3rd floor.
4. Wowrack will notify all participants on the migration and work with the SIX on a proposed maintenance window to complete the upgrade.

Topology:

