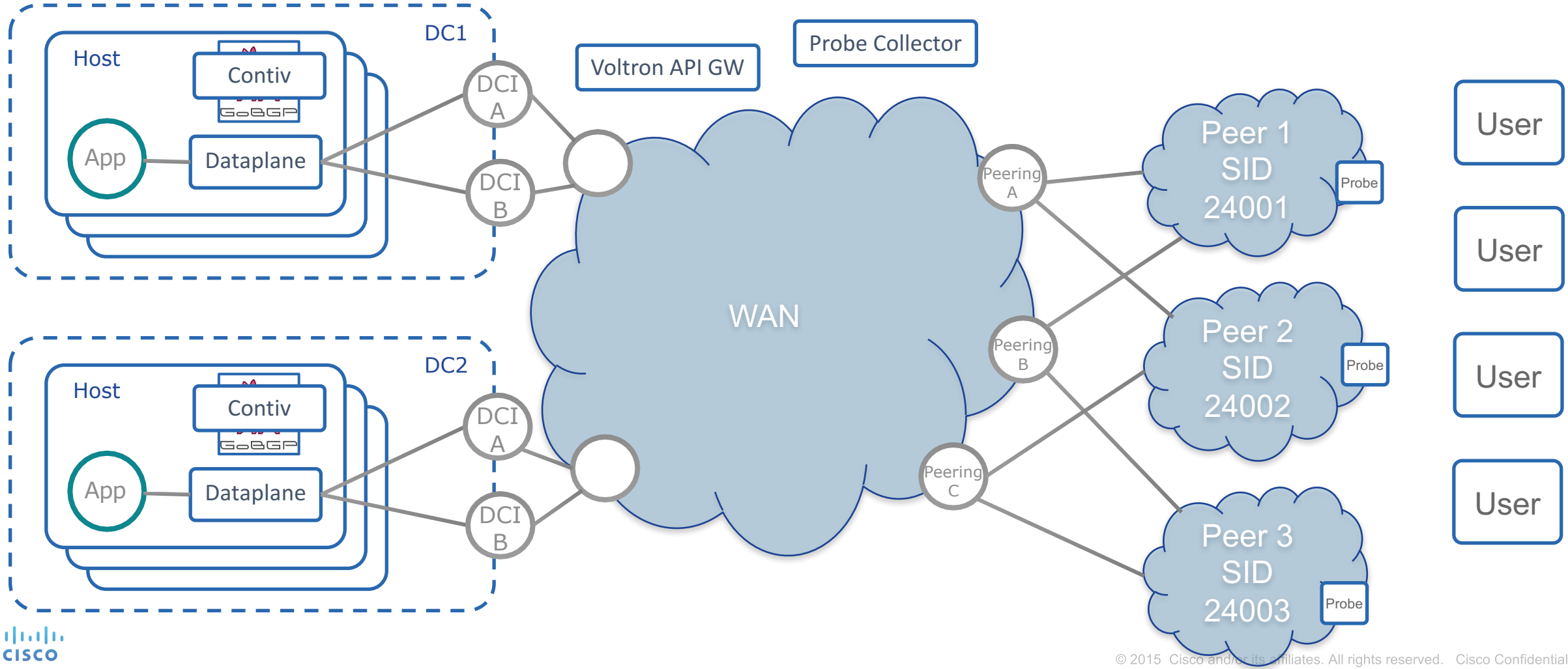
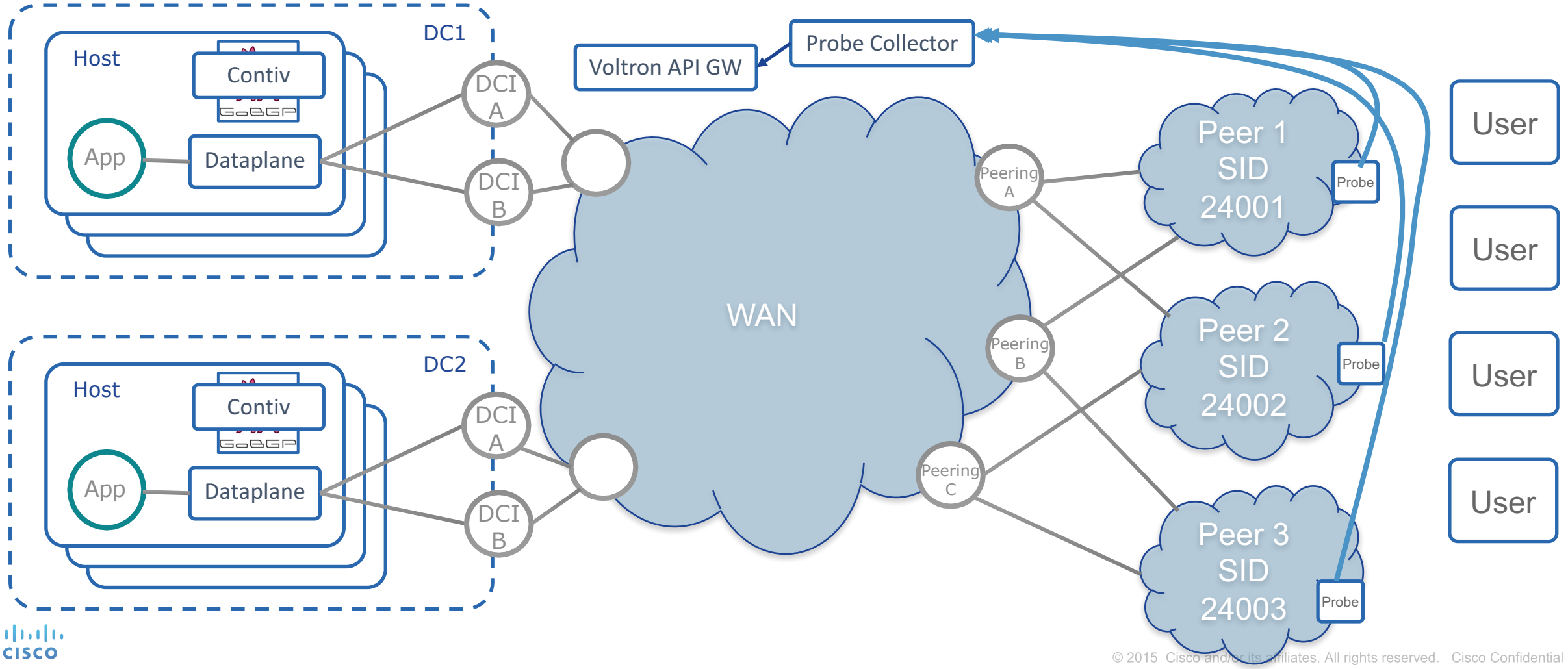
Voltron EPE Traffic Engineering (Peer Selection)

- Probe Collector feeds peering data into Voltron Service
- Contiv Constructs SR label stack, programs forwarding entries on OVS/VPP
- SR dataplane executes packet delivery: DC exit, Egress Peering Fabric selection, External Peer constraint



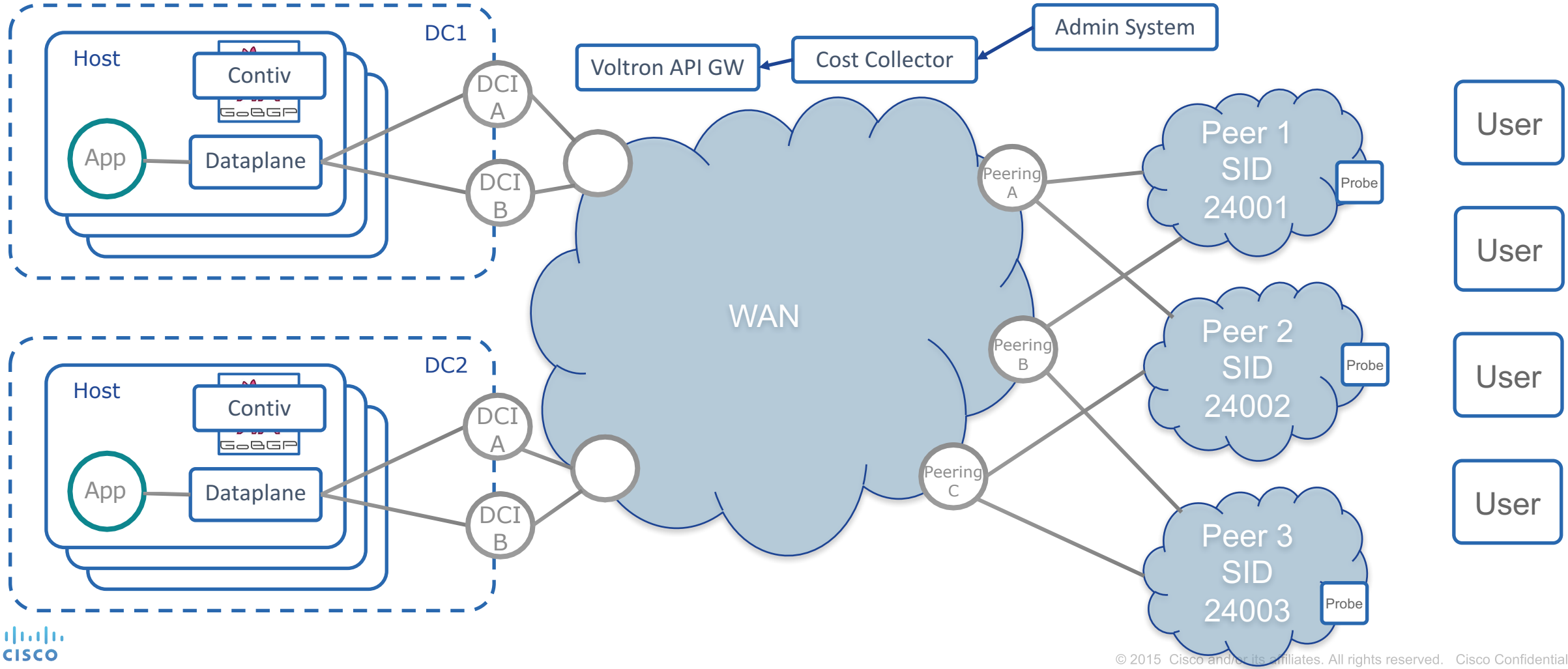
Voltron EPE Traffic Engineering (Latency Peer Selection)

- Probes measure latency through various peers
- Collector injects data into Voltron DB; queryable through API GW
- Endpoints ask for lowest latency path to users (*Can probably use standard routing to find nearest peering fabric, then let peering fabric decide optimal peer locally!)



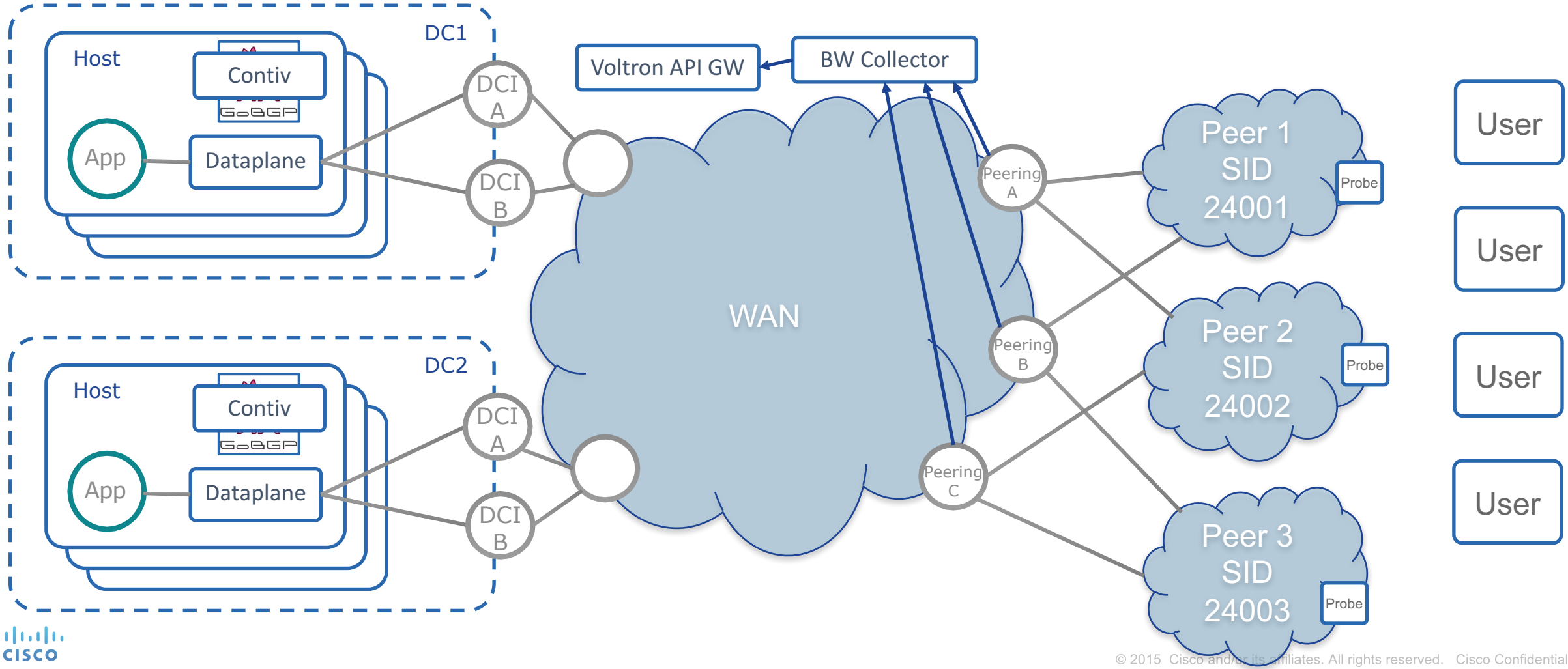
Voltron EPE Traffic Engineering ($$ Peer Selection)

- Admin injects peering cost data into Voltron Service
- Endpoints ask for cheapest peering connection



Voltron EPE Traffic Engineering (BW Peer Selection)

- Collector injects link utilization data into Voltron DB; queryable through API GW
- Endpoints ask for least utilized peering connection



Voltron EPE Traffic Engineering (Peer Selection)

- Contiv Constructs SR label stack, programs forwarding entries on OVS/VPP
- SR dataplane executes packet delivery: DC exit, Egress Fabric selection, External Peer constraint (latency/cost/BW)