NVO3 Control Plane

an incomplete summary of yesterday’s break-out discussion
• **Discovery vs. Management vs. Control**
  • Categorized per time-scale / rate-of-change context

• **Boot-strap / Discovery**
  • NVA-NVE relationships, NVE-tenant relationships, NVE capabilities, etc.

• **Management**
  • Establish VN FIB context, attach Tenant Systems, configure behaviors and policies...
  • Configure Control Plane options

• **Control Plane tasks**
  • Overlay-Underlay (namespace) mapping
  • Liveness detection (NVA-NVE & NVE-NVE)
Key differences from EVPN
- Mobility
- NVE to VNI mapping
- NVN to VNI mapping
- Interface mapping
- NVA to NVE mapping

Control Plane
- Discovery
  - NVA - NVE relationship
  - Tenants

NVA Functions
- Discovery
- Dist
- Information Model
- Capabilities
- CRUD
  - RT/RTx (ex: VRF, EVPN)
  - CRUS: RT/RTx EVPN
  - AC to TR EVPN decap
  - Policies
  - OAM

NVE Functions
- Discovery
- TE discovery
- NVA - NVE
  - Information
- NVA
  - NVE
  - LAC
  - LAC