

NVO3 Control Plane

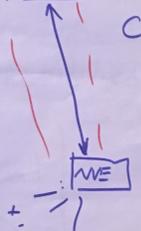
an incomplete summary of yesterday's break-out discussion

- 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)
- service model & lifecycle
- “reachability”

Key differences from EVPN

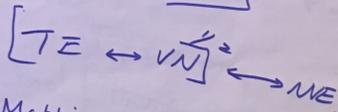
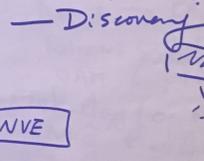
- mobility
- much larger number of NVE Access Nodes

Mgmt | Data | Control | Access



Control Plane

- Mapping Distribution
- ~~Info Exchange~~
- YANG - updates
- initial Distribution



Mapping

Intra-ster Mapping

TE-VN -> NVE



Control Plane

- Discovery
- NVA-NVE relationship
- Tenants

NVA Functions

- Discovery
- Dist^m
- Information Model
- capabilities -> negotiate

NVE Functions

- Mgmt
 - CRUD: RT/control (eg. VRF, EVI, ...)
 - AC to IR
 - Policies (ACL, DP)
 - OAM
 - Classification
- Monitor/Telemetry (op. state)
- NVA -> NVE
- TE discovery

Control

- NVA -> NVE
- Underlying stry.
- Policies & secur.

Forwarding behavior config (unknown)

