# NVO3: VPN Interactions (Some initial thoughts)

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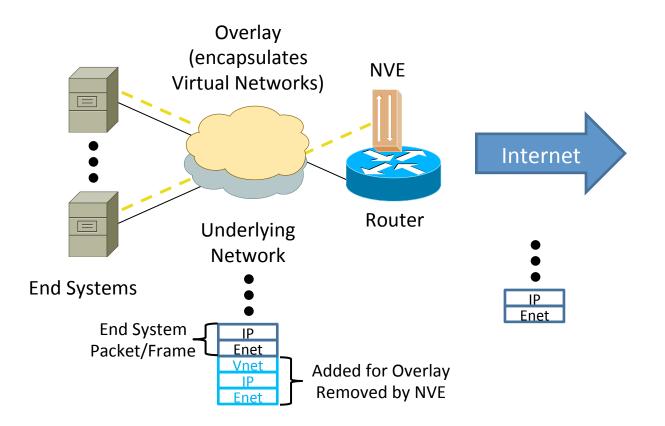
#### What's this about?

Draft NVO3 charter:

"Finally, some work may be needed in connecting an overlay network with traditional L2 or L3 VPNs (e.g., VPLS)."

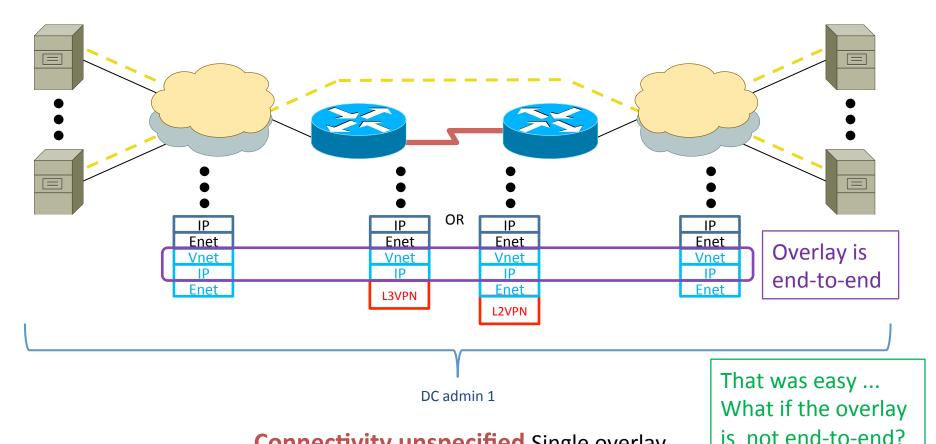
- These slides: Some initial thoughts
  - 3 examples of overlay-VPN interactions

#### Basic Diagram



Network Virtualization Edge [NVE] integrated into end systems and gateway router

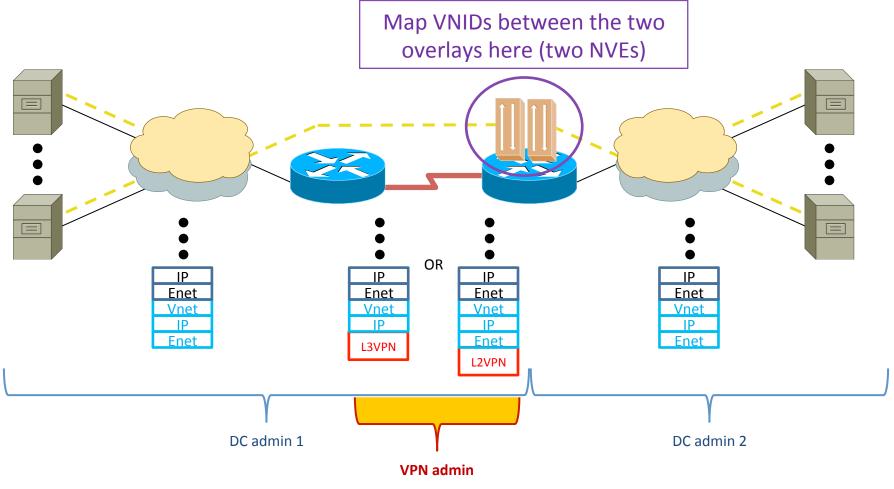
#### Two Data Centers, One Admin Domain (1)



**Connectivity unspecified** Single overlay

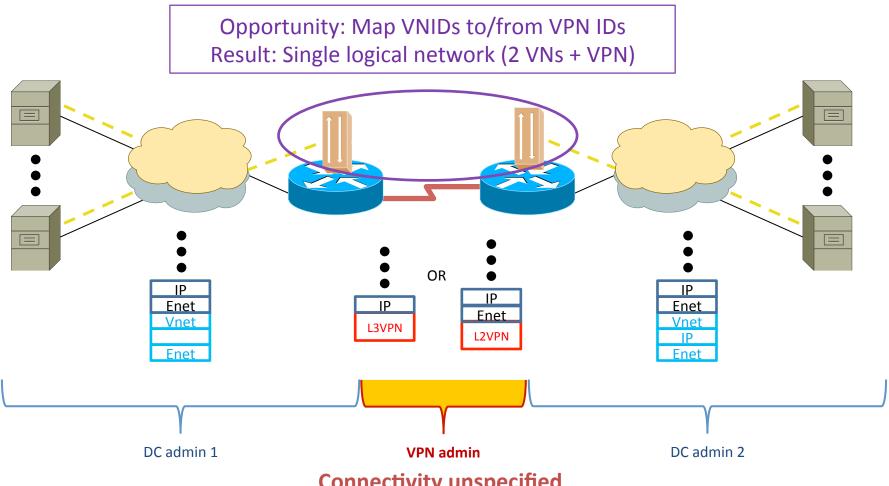
transported over inter-data-center connectivity (e.g., VPN)

### Two Data Centers, Two Admin Domains (2)



**Connectivity unspecified** 

Left overlay transported over inter-data-center connectivity (e.g., VPN).



#### Connectivity unspecified,

Baseline: Separate overlay domains, separate virtual networks.

## Comments? Questions?