MIF/Homenet Design Team

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PVD Uniqueness

- Can the same IPv4 or IPv6 address be used in more than one PVD?

- If so, how is the PVD determined for inbound traffic?

Configuration Sources

1. Atomically, at the time the prefix or address is configured. e.g., in an RA, DHCP(v6), IKE config mode (IPsec VPN tunnel), PPP IPCP (L2TP/PPTP tunnel) etc.

1.5 Dynamically via methods in #1, but as a reconfigure/update

2. Dynamically, via a protocol exchange other than that used during initial configuration (e.g., proprietary protocols, DNS, ES-IS, etc...)

Configuration Strawman

- Core configuration passed via #1 (RAs, DHCP)
  - Enough to reach PVD lookup mechanism
    - e.g. Prefixes/Addresses, Router, DNS Server, NTP Server and _PVD ID_

- Additional configuration via #2 (DNS? URI?)
  - Look up additional information using PVD ID and core configuration information above