Auto Discovery VPN
Use Cases and Requirements
Progress Since IETF 83

5/25/2012  draft-ietf-ipsecme-p2p-vpn-problem-01.txt

New co-editor: Vishwas Manral
Resolved open issues with use cases
Agreed on new name: Auto-Discovery VPN

7/10/2012  draft-ietf-ipsecme-p2p-vpn-problem-02.txt

Added first draft requirements
Focus now on requirements
DISCUSS REQUIREMENTS
Minimal Config Changes #1

• MUST allow for minimal configuration changes when a Gateway or Endpoint is added, removed, or changed
Minimal Config Changes #2

- MUST allow IPsec tunnel setup with no config changes, even as peer addresses change
Tunnel Binding

• MUST allow tunnel binding
  – so higher-level protocols and applications (e.g. OSPF) can avoid changes in configuration when IPSec tunnel configuration or gateway address changes
Spoke-to-Spoke Comms

• MUST allow for direct Spoke-to-Spoke comms
Session Handoff #1

- SHOULD allow for easy session handoff when endpoints roam
Session Handoff #2

• SHOULD allow for easy session handoff to optimize latency, bandwidth, etc.
Working Behind NATs

• Gateways and Endpoints MUST work when behind NATs
Other Requirements?
Next Steps

August  
Discuss requirements on list.
Publish updated draft. Do WGLC.

Sept  
Solicit solutions.

Mid-Oct  
Proposed solutions due. Discuss on list.

Nov  
Discuss solutions in Atlanta. Decide on list.
Start refining solution.