Control Plane Security for Hybrid Networks

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Panel

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Control Planes and Basic Security

• Current development efforts typically use external control mechanisms and are separate from the data plane
  • Control plane security is only as good as the security of those external devices
  • They suffer the usual security vulnerabilities – denial of service, interception of service, theft of services, etc.
• Similarly for control planes that reside internally on network devices
Security and Trust Relationships

• How do we authorize trusted users and authenticate them?
• How do we control access to the appropriate points on the network?
• How far does the trust relationship go within an organization?
• How far does the trust relationship go between organizations?