Application-aware IPv6 Networking (APN6)

draft-li-6man-app-aware-ipv6-network-00

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Application-aware IPv6 Networking

- Make use of IPv6 extensions header to convey the service requirements along with the packet to the network
- To facilitate the service deployment and network resource adjustment to guarantee SLA for applications
Application-aware ID Option/Service-Para Option

- Carrying application ID, user ID, flow ID, and service requirements

- Carrying the service requirement parameter
Summary of APN6 Side Meeting

• Thursday Morning @Notre Dame
• Attendee: 50+
• Discussion points:
  ▪ App-aware Info conveying
  ▪ App-aware services
  ▪ Security issues/boundary
  ▪ Application identification
  ▪ Policy enforcement
  ▪ Relationship with the PANRG
• Investigation and Consensus: There is a value of the work
• Next Step:
  ▪ Setup Mailing list to continue discussions
  ▪ https://github.com/shupingpeng/IETF105-Side-Meeting-APN6