Path-aware Interdomain Architecture Updates

HotRFC - IETF 118
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SCION Association
SCION – context

• SCION is an Internet architecture that fills gaps in several areas:
  • *Inter-domain* path-aware networking
  • Trust-enhanced networking (e.g. geofencing)
  • Routing security (path authorization/path validation)

• There is deployment experience:
  • Productive finance, healthcare network in Switzerland
  • More being evaluated (government, energy, DLTs)

• There are multiple implementations of SCION
• SCION can get even better with community feedback
Current drafts

We want to find a space for SCION at the IETF:

• Now documenting the current protocol as implemented in existing deployments

• In the long term use the initial specification for future IETF work to evolve the protocol
SCION at this IETF

• Hackdemo happy hour – Tomorrow 18:30-19:30
• Extended PANRG discussion – Tomorrow 13:00-15:00
  • Drafts
  • Deployment experience by Anapaya (SCION vendor)
  • User experience in the finance industry (SIX Swiss Exchange)
  • Discussion on the next steps within IETF/IRTF
• Path validation side meeting – Tuesday 18:30-20:00
We need you

• Comment and review on our drafts
• Support us in getting the right space within the IETF/IRTF

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Feedback & Collaboration Welcome!