

Operational Security Considerations for IPv6 Networks

K. Chittimaneni, E. Vyncke, M. Kaeo

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Document Intro

- Why write this?
 - Consolidated document for IPv6 security best practices
- What does it cover?
 - Generic Security Considerations
 - Addressing Architecture
 - Control Plane Security
 - Logging/Monitoring
 - General Device Hardening
 - Link-Layer Security
 - Routing Security
 - Transition/Coexistence Technologies
 - Enterprise Specific Security Considerations
 - ISP Specific Security Considerations
 - Residential Specific Security Considerations

Want Operator Updates

- Is anyone using RTBH and uRPF for IPv6?
- What are most effective logging mechanisms and possible issues to be resolved?
- What are ND/RA rate limiting parameters that are deployed?
- Is anyone using SeND / CGA?
- Overall review to get most up-to-date deployment best practices

ToDo

- Solicit feedback from global ops communities
 - <http://tools.ietf.org/html/draft-ietf-opsec-v6-00>
 - <https://www.ietf.org/mailman/listinfo/opsec>
- Continue to work with [v6ops](#) and [homenet](#) WGs to avoid overlaps or conflicts



Q&A

THANK YOU!