# Simple Security in IPv6 Residential Gateway CPE

draft-ietf-v6ops-cpe-simple-security

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- Does not go into much detail.
- Just says, basically, outbound flows to be generally allowed and inbound flows to be generally refused.
- Applications developers to benefit if vendors of residential CPE have more detailed recommendations.

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- May be deployed by users with no significant expertise in internetworking.
- May be integrated with IPv4/NAT functions that users are familiar with today.
- IPv6 simple security intended to be functionally similar to IPv4/NAT simple security.

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- Some application protocols, e.g. FTP, RTSP, SIP, want transparency helpers. Not discussed in the draft.
- Alternatively, techniques like STUN and TURN will work.
- Hole-punching for passive listeners, i.e. UPnP IGD or its alternatives. Not much in this draft about them.

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- UDP-lite, SCTP and DCCP stateful filtering.
- 3-tuple states for unrecognized upper-layer transport.

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- Added a some normative and informative references.

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- Tweaked the recommendation about passive listeners.
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- Added a some normative and informative references.
- Many editorial changes.

# Open Issues

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The authors of I-D.vyncke-advanced-ipv6-security have expressed some general concerns about the "default deny" policy inherent in CPE Simple Security.

# Open Issues

- The authors of I-D.vyncke-advanced-ipv6-security have expressed some general concerns about the "default deny" policy inherent in CPE Simple Security.
- Are there any other remaining troubles?

Application

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Session

Transport

Network

Datalink

Physical

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