IPv6 Security Considerations Per Device Type

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<td>Disable if not used: LLMNR, mDNS, DNS-SD, transition mechanisms</td>
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**FHS**
- RA-Guard [RFC6105]
- DHCPv6 guard
- IPv6 snooping
- IPv6 source / prefix guard
- IPv6 destination guard
- MLD snooping [RFC4541]
- DHCPv6-Shield [RFC7610]

**OSPFv3**
- Auth. [RFC4552]
- or / and [RFC7166]

**IS-IS**
- [RFC5310]
- or, less preferred, [RFC5304]

**MBGP**
- TCP-AO [RFC5925]
- Obsoleted MD5 Signature Option [RFC2385]
- MBGP Bogon prefix filtering
IPv6 Security Considerations On Your Network

Control Plane Security

- BGP
- IGP
- NDP
- MLD
- NDP
- DHCPv6
- MLD
- DNS*

* All Name resolution related protocols

Forwarding Plane Security

- IPv6
- FW
- FHS

IPv6 Internet

Router

P2P links

Firewall

Switch

Hosts

Servers