

DHCPv6-Shield: Protecting Against Rogue DHCPv6 Servers

(draft-gont-opsec-dhcpv6-shield)

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Introduction

- DHCPv6-Shield is IPv6's “DHCP-snooping”
 - Lightweight protection for DHCPv6-based attacks
 - Blocks malicious DHCPv6-server packets at layer-2
 - Only DHCPv6-server packets received on a specific port will be allowed
- Complements RA-Guard
 - Almost no point in deploying RA-Guard without DHCPv6-shield
 - RA-Guard specified in three documents
 - We have no RFC for DHCPv6 Shield

Changes since previous version

- Aligned the document with draft-ietf-v6ops-raguard-implementation

Moving forward

- Adopt as opsec wg item?