

Schema

title: Stateless Packet Filtering
module: oasis-open.org/openc2/v1.0/ap-slpf
version: wd02
description: Data definitions for Stateless Packet Filtering (SLPF) functions
exports: Target, Specifiers, Args, Results

3.2 Structure Types

3.2.1 Target

SLPF targets

Target (Choice)

ID	Name	Type	Description
1	access_rules	Rules	Return the requested access rules in the response

3.2.2 Rules

Specifiers for the access_rules target

Rules (Map)

ID	Name	Type	#	Description
1	allow_rules	Rule-Target	0..1	Return specified allow rules
2	deny_rules	Rule-Target	0..1	Return specified deny rules

3.2.3 Rule-Target

Specifier for an access rule

Rule-Target (Choice)

ID	Name	Type	Description
1	all	Null	Any rules
2	ip_addr	...IP-Addr	Rules affecting the specified address
3	ip_connection	...IP-Connection	Rules affecting the specified 5-tuple

3.2.4 Specifiers

SLPF actuator specifiers

Specifiers (Map)

ID	Name	Type	#	Description
1	nfv_id	String	1	Identifier of a virtualized packet filter

3.2.5 Args

SLPF command arguments

Args (Map)

ID	Name	Type	#	Description
1	block-method	Block-Method	1	How to handle denied packets
2	insert	Integer	1	Position of a rule in access list

3.2.6 Block-Method

Block-Method (Enumerated)

ID	Name	Description
1	drop	
2	reject	
3	deceive	

3.2.7 Results

SLPF results

Results (Map)

ID	Name	Type	#	Description
1	access_rules	Rule-Item	0..1	Access rules matching a query

3.2.8 Rule-Item

Rule-Item (Array)

ID	Type	#	Description
1	Integer	1	"id": Rule identifier within a ruleset
2	Rule-Action	1	"action": Allow or Deny
3	Rule-Target	1	"rule": Matching criterion

3.2.9 Rule-Action

Rule-Action (Enumerated)

ID	Name	Description
1	allow	Matching packets are permitted
2	deny	Matching packets are blocked

3.3 Primitive Types

Name	Type	Description
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