

SFC Network Security Use Cases

draft-wang-sfc-ns-use-cases-02

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Network Service Header (NSH) Context Header Allocation (Network Security)

draft-wang-sfc-nsh-ns-allocation-01

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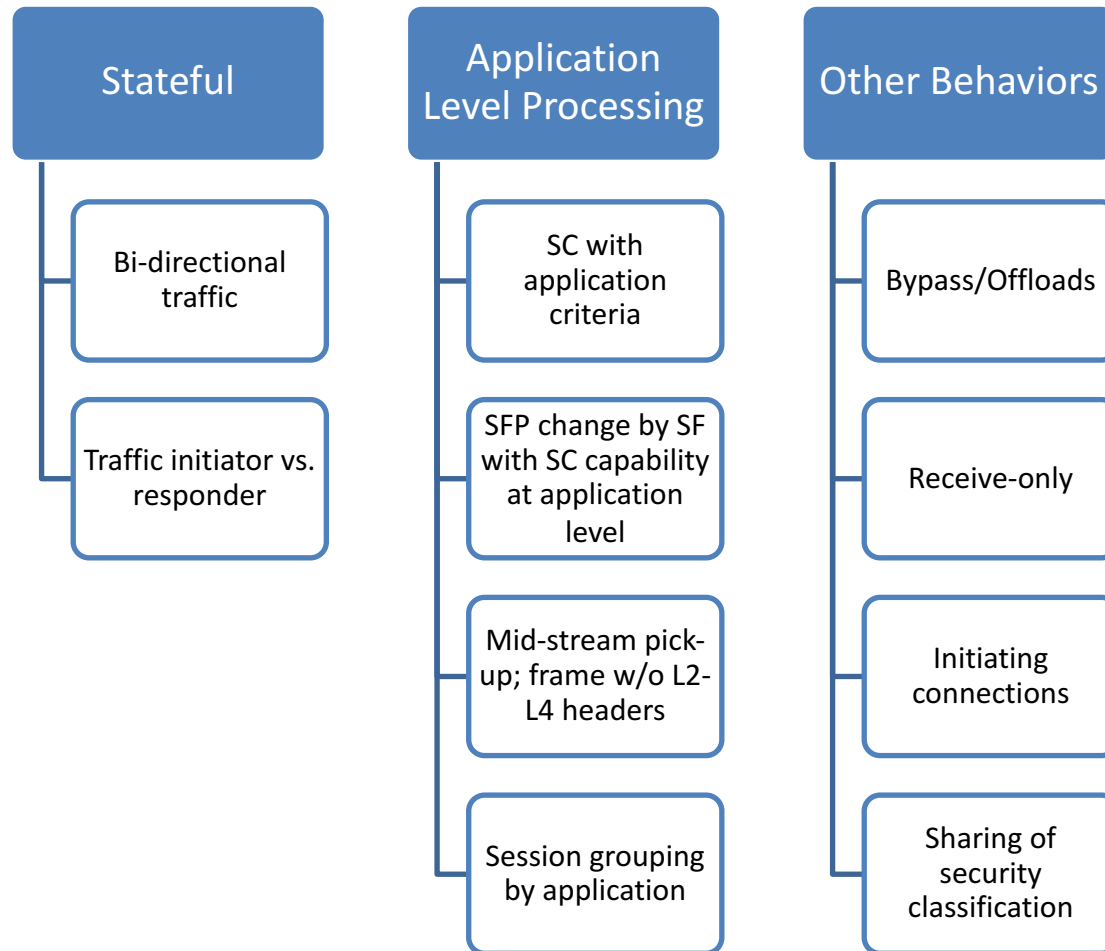


SFC Network Security Use Cases – Updates

draft-wang-sfc-ns-use-cases-02

- Published -01, -02 versions
 - Incorporated review comments
 - New use cases
 - Listed items that may require WG work

SFC Network Security Use Cases Recap



Use Cases Addressed by WG Drafts

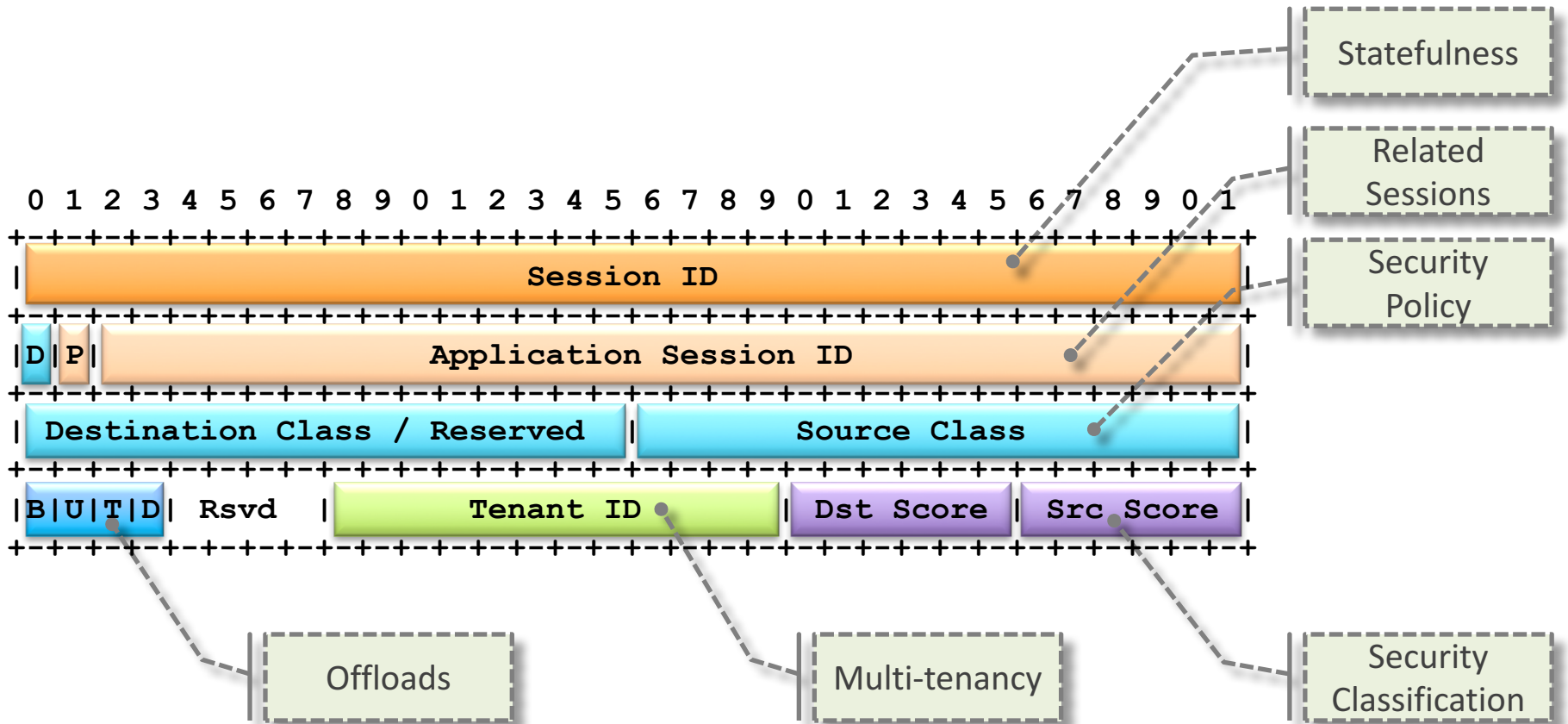
Use Case	Description	Addressed by
Stateful SFs	SFC MUST support the use of stateful Service Classifiers and Service Functions if present.	draft-wang-sfc-nsh-ns-allocation-01
Frames w/o L2-L4 headers	SFC SHOULD allow packet frames carrying only L5 and upper layer traffic data without L2-L4 headers.	
SF bypass/offload	SFC SHOULD support bypass of a Service Function in the middle of a connection while allowing necessary control packets to reach the Service Function.	draft-kumar-sfc-offloads-03 draft-wang-sfc-nsh-ns-allocation (to be revised)
Receive-only SF	SFC control plane and packet plane MUST support receive-only Service Functions.	draft-wang-sfc-receive-only-01
Packet injection by SF	SFC MUST support packet injection to the opposite direction of a Service Path	draft-penno-sfc-packet-03
Sharing of security classification	SFC SHOULD allow metadata passing classification results	draft-wang-sfc-nsh-ns-allocation-01
[New] Grouping related application sessions	SFC SHOULD support SFs to group related sessions using unique identifiers	draft-wang-sfc-nsh-ns-allocation (to be revised)

NSH Network Security Allocation

draft-wang-sfc-nsh-ns-allocation-01

- Support major requirements by a network security SFC domain
 - Statefulness
 - Security policy
 - Application session grouping
 - Security classification sharing
 - Offloads
 - Multi-tenancy
- MD-Type 1 and a TLV of MD-Type 2

NSH Security Allocation



Q&A

Thank you!