

SATP Updates & Questions

draft-ietf-satp-architecture-01

draft-zhang-satp-network-identification-00

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Architecture & Core draft

- Architecture-01 now lock-step with Core-02
- Stage-1 requires some specific parameters
 - Asset-network identification
 - For the Origin and Destination networks
- Gateways need to identify the network(s) they serve
- Gateways may need to hide internal sub-networks

Architecture draft: GitHub Issues

- Issues cover clarification of text/paragraphs
- Some questions are more fundamental:
 - #7: are gateways trusted
 - #10: number of actual gateways (primary-backup)

New SATP repo: github.com/ietf-satp

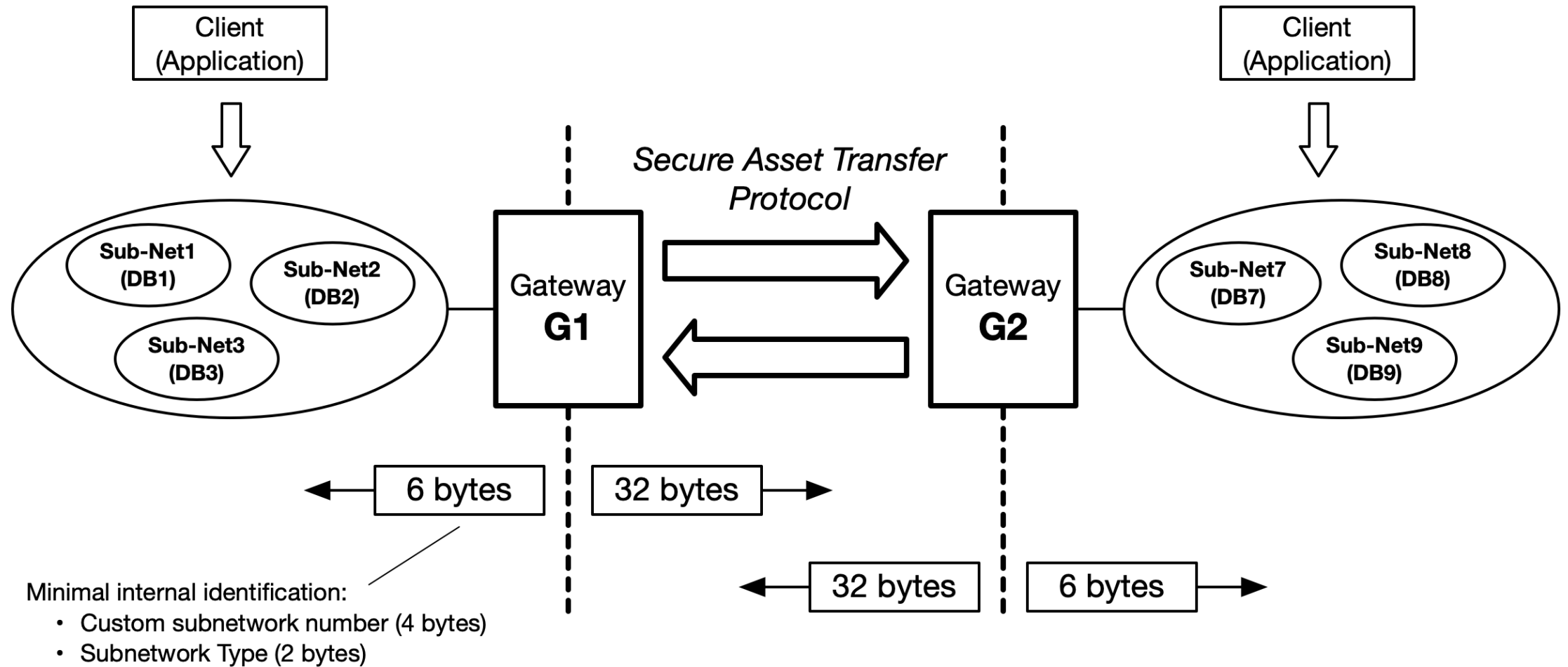
Designing Network Identification Scheme

- Backward compatibility
 - Co-exist with existing local (internal) numbering
- Support sub-networks
 - Network may have many internal sub-networks
- Low probability of name-space collisions
 - New networks have freedom to self-generate
- Distinguish forks
 - Externally able to address original DLT & forks

Proposal: 32 byte numbering

Name	Length	Purpose
Hash of genesis block	16	Permits distinction from Forks
Custom sub-network	4	Support existing network-specific numbers
Subnetwork type/ID	2	Identify purpose of subnetwork (if any)
Network Owner Identifier	2	Organizational/governance identifier
Reserved	7	(Future)
Checksum	1	

Example of usage



Thank You and Q&A

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- Header 1
 - Subheader
- Header 2