

Capturing from Loopback: lo0

http

No.	Time	Destination	Protocol	Length	Info
182	142.2417...	127.0.0.1	HTTP	327	GET /stream HTTP/1.1
538	424.5830...	127.0.0.1	HTTP	246	GET /client/carol/etsi/api/v1/keys/connie/enc_keys HTTP/1.1
546	424.6096...	127.0.0.1	HTTP/JSON	322	POST /hub/hank/dske/api/v1/key-share HTTP/1.1, JSON (application/json)
548	424.6160...	127.0.0.1	HTTP/JSON	288	HTTP/1.1 200 OK, JSON (application/json)
560	424.6340...	127.0.0.1	HTTP/JSON	322	POST /hub/helen/dske/api/v1/key-share HTTP/1.1, JSON (application/json)
562	424.6403...	127.0.0.1	HTTP/JSON	288	HTTP/1.1 200 OK, JSON (application/json)
574	424.6595...	127.0.0.1	HTTP/JSON	322	POST /hub/hilary/dske/api/v1/key-share HTTP/1.1, JSON (application/json)
576	424.6658...	127.0.0.1	HTTP/JSON	288	HTTP/1.1 200 OK, JSON (application/json)
588	424.6837...	127.0.0.1	HTTP/JSON	322	POST /hub/holly/dske/api/v1/key-share HTTP/1.1, JSON (application/json)
590	424.6897...	127.0.0.1	HTTP/JSON	288	HTTP/1.1 200 OK, JSON (application/json)
602	424.7096...	127.0.0.1	HTTP/JSON	322	POST /hub/hugo/dske/api/v1/key-share HTTP/1.1, JSON (application/json)
604	424.7165...	127.0.0.1	HTTP/JSON	288	HTTP/1.1 200 OK, JSON (application/json)
610	424.7189...	127.0.0.1	HTTP/JSON	272	HTTP/1.1 200 OK, JSON (application/json)
620	424.7228...	127.0.0.1	HTTP	290	GET /client/connie/etsi/api/v1/keys/carol/dec_keys?key_ID=565a2f78-b2ab-4494-b87b-11a49a3dc4a4 HTTP/1.1
626	424.7288...	127.0.0.1	HTTP	395	GET /hub/hank/dske/api/v1/key-share?client_name=connie&key_id=565a2f78-b2ab-4494-b87b-11a49a3dc4a4 HTTP/1.1
628	424.7314...	127.0.0.1	HTTP/JSON	478	HTTP/1.1 200 OK, JSON (application/json)
634	424.7354...	127.0.0.1	HTTP	396	GET /hub/helen/dske/api/v1/key-share?client_name=connie&key_id=565a2f78-b2ab-4494-b87b-11a49a3dc4a4 HTTP/1.1
636	424.7380...	127.0.0.1	HTTP/JSON	478	HTTP/1.1 200 OK, JSON (application/json)
642	424.7414...	127.0.0.1	HTTP	397	GET /hub/hilary/dske/api/v1/key-share?client_name=connie&key_id=565a2f78-b2ab-4494-b87b-11a49a3dc4a4 HTTP/1.1
644	424.7441...	127.0.0.1	HTTP/JSON	478	HTTP/1.1 200 OK, JSON (application/json)
650	424.7483...	127.0.0.1	HTTP	396	GET /hub/holly/dske/api/v1/key-share?client_name=connie&key_id=565a2f78-b2ab-4494-b87b-11a49a3dc4a4 HTTP/1.1
652	424.7513...	127.0.0.1	HTTP/JSON	478	HTTP/1.1 200 OK, JSON (application/json)

> Frame 546: 322 bytes on wire (2576 bits), 322 bytes captured (2576 bits) on interface lo0, id 0

> Null/Loopback

> Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1

> Transmission Control Protocol, Src Port: 54467, Dst Port: 8100, Seq: 332, Ack: 1, Len: 266

> [2 Reassembled TCP Segments (597 bytes): #544(331), #546(266)]

> Hypertext Transfer Protocol

> JavaScript Object Notation: application/json

> Object

- > Member: client\_name
- > Member: user\_key\_id
- > Member: share\_index
- > Member: encryption\_key\_allocation
  - > Object
    - Key: encryption\_key\_allocation
    - [Path: /encryption\_key\_allocation]
  - > Member: encrypted\_share\_value

0140 44 39 35 46 75 55 3d 0d 0a 0d 0a 7b 2

0150 65 6e 74 5f 6e 61 6d 65 22 3a 22 63 6

0160 22 2c 22 75 73 65 72 5f 6b 65 79 5f 6

0170 22 35 36 35 61 32 66 37 38 2d 62 32 6

0180 34 39 34 2d 62 38 37 62 2d 31 31 61 3

0190 64 63 34 61 34 22 2c 22 73 68 61 72 6

01a0 64 65 78 22 3a 30 2c 22 65 6e 63 72 7

01b0 6f 6e 5f 6b 65 79 5f 61 6c 6c 6f 63 6

01c0 6e 22 3a 7b 22 66 72 61 67 6d 65 6e 7

01d0 5b 7b 22 62 6c 6f 63 6b 5f 75 75 69 6

01e0 37 62 35 65 64 62 62 30 2d 65 35 31 6

01f0 62 36 2d 39 65 38 37 2d 39 39 66 36 3

0200 36 31 38 30 22 2c 22 73 74 61 72 74 5

0210 65 22 3a 30 2c 22 73 69 7a 65 22 3a 3

0220 7d 2c 22 65 6e 63 72 79 70 74 65 64 5

0230 72 65 5f 76 61 6c 75 65 22 3a 22 54 7

0240 2f 2b 31 38 33 2b 33 78 53 31 6e 51 7

0250 41 3d 3d 22 7d

Frame (322 bytes) Reassembled TCP (597 bytes)

JSON object member (json.member), 122 bytes

Packets: 822 · Displayed: 26 (3.2%)

Profile: Default

FastAPI - Swagger UI

+

← → ↺ 🏠

http://localhost:8100/docs

☆

...

ASP

New

FastAPI

0.1.0

OAS 3.1

/openapi.json

default

^

PUT

/hub/hank/dske/oob/v1/registration

Put Oob Client Registration

▼

GET

/hub/hank/dske/oob/v1/psrd

Get Oob Psrd

▼

POST

/hub/hank/dske/api/v1/key-share

Post Key Share

▼

GET

/hub/hank/dske/api/v1/key-share

Get Key Share

▼

GET

/hub/hank/mgmt/v1/status

Get Mgmt Status

▼

POST

/hub/hank/mgmt/v1/stop

Post Mgmt Stop

▼

Schemas

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APIAllocation >

Expand all

object

APIBlock >

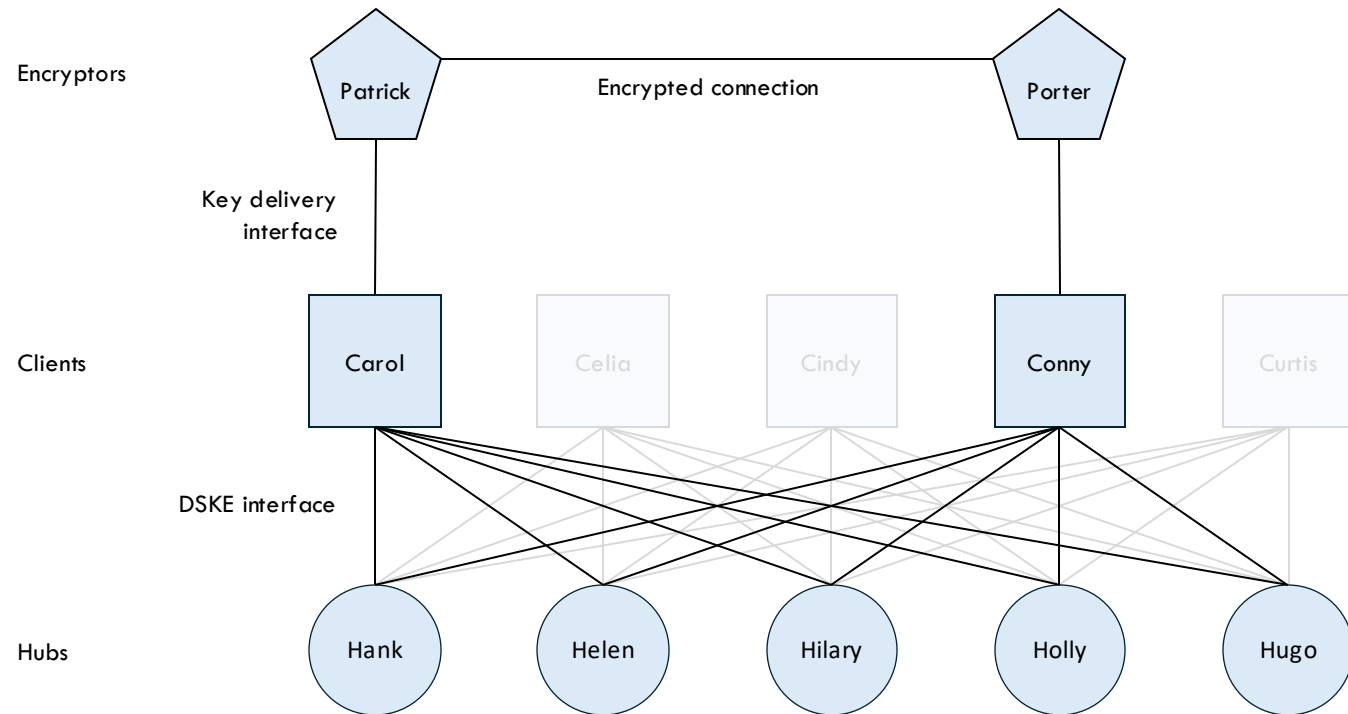
Expand all

object

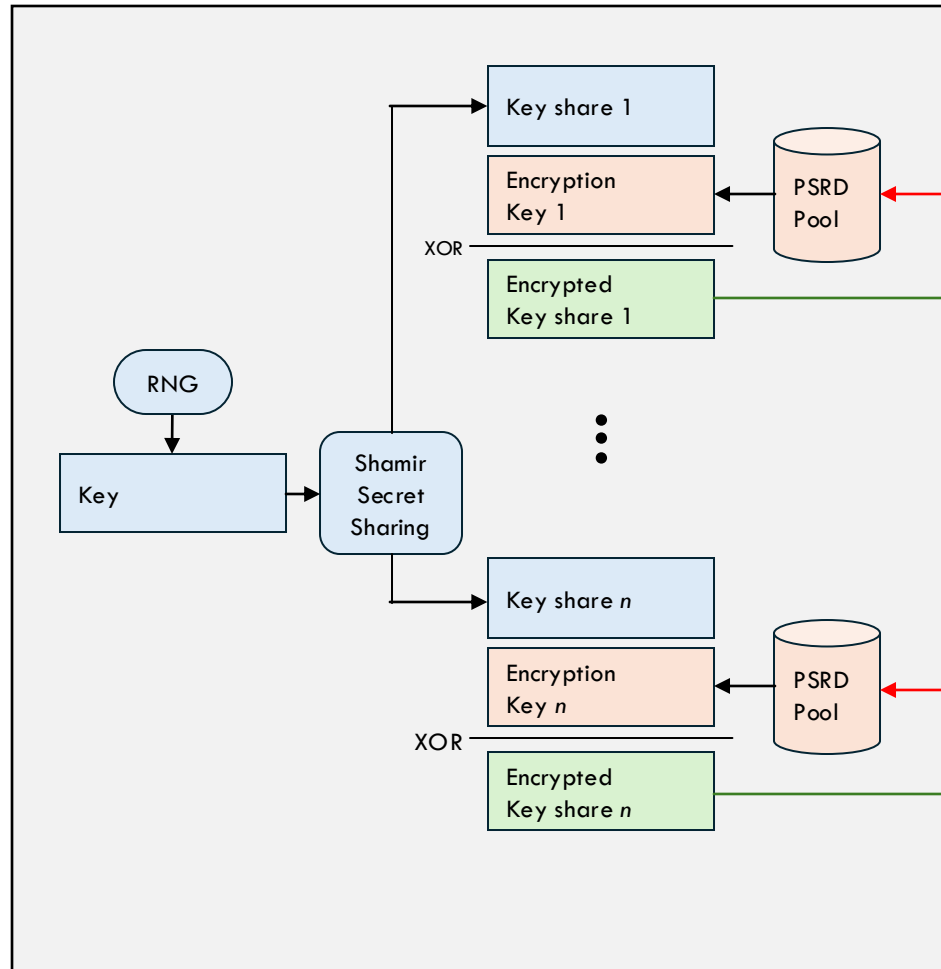
APIEndpoint >

Expand all

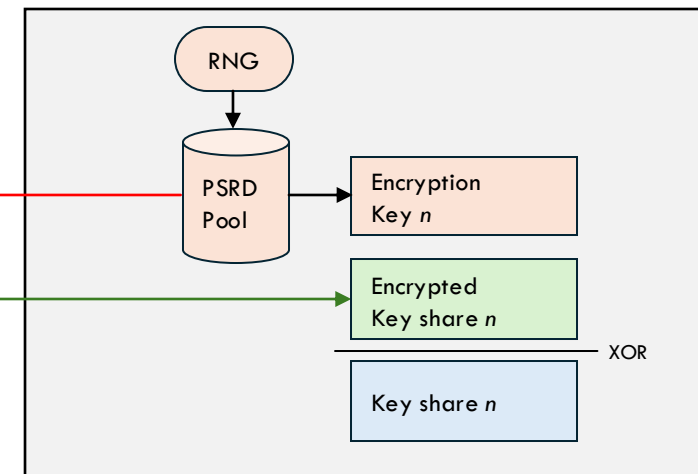
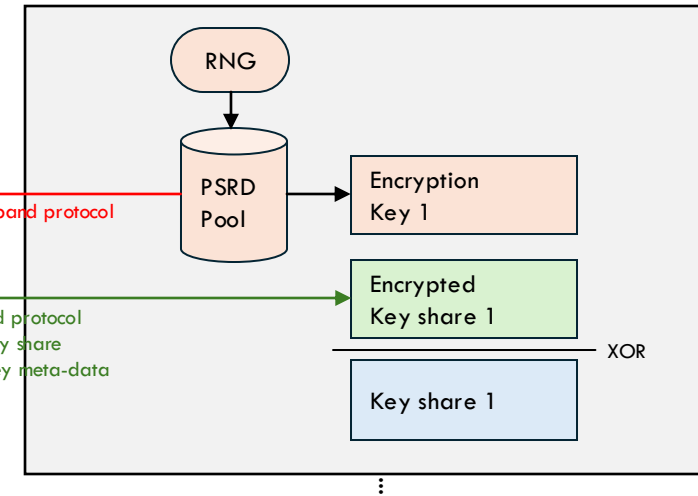
object



Client Carol

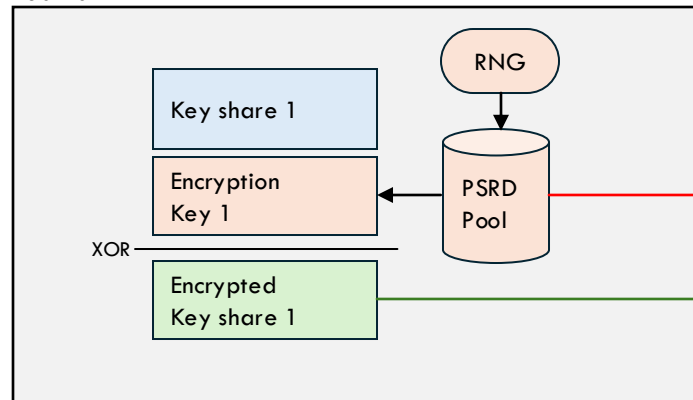


Hub Hank



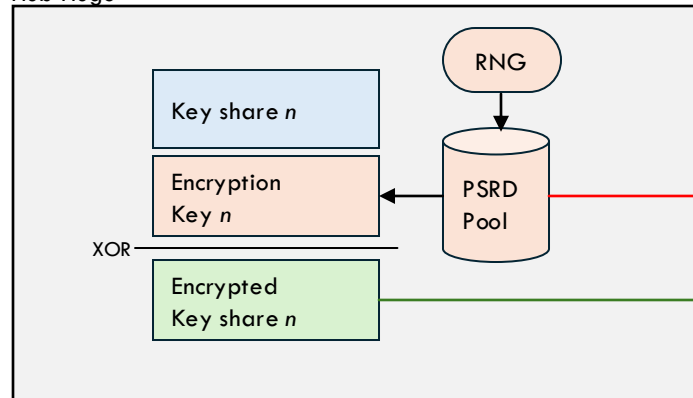
Hub Hugo

Hub Hank

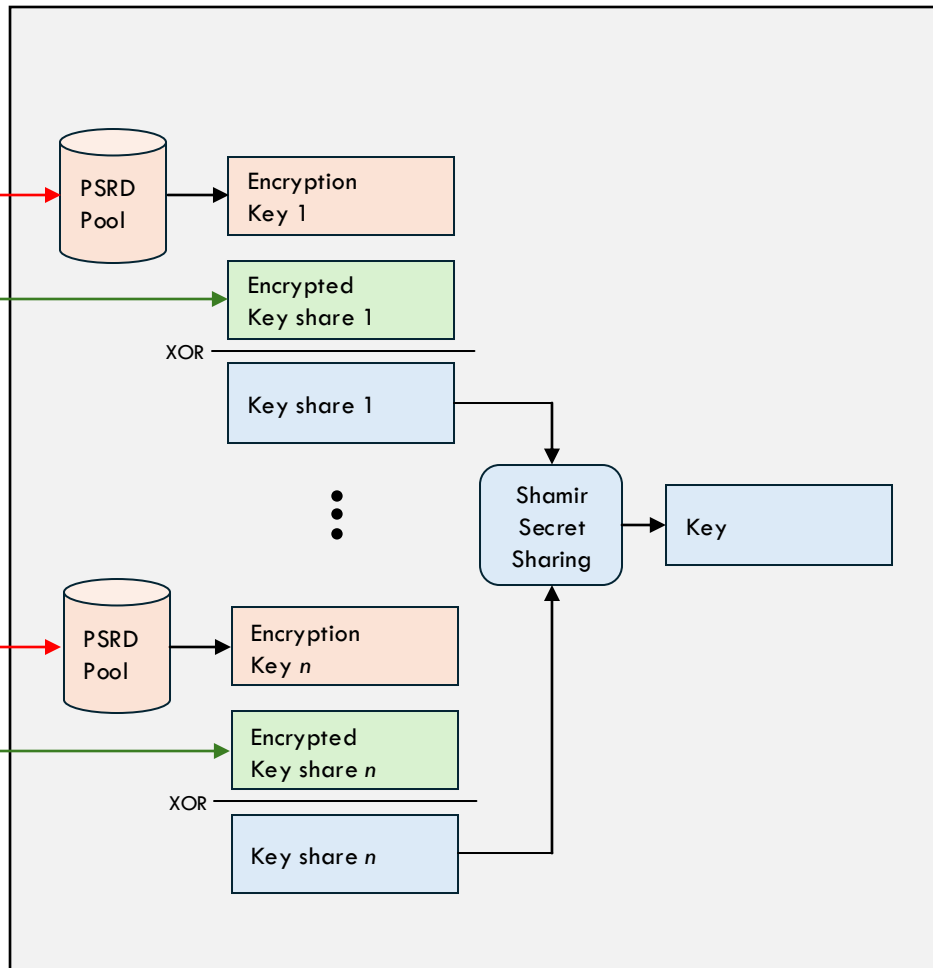


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Hub Hugo

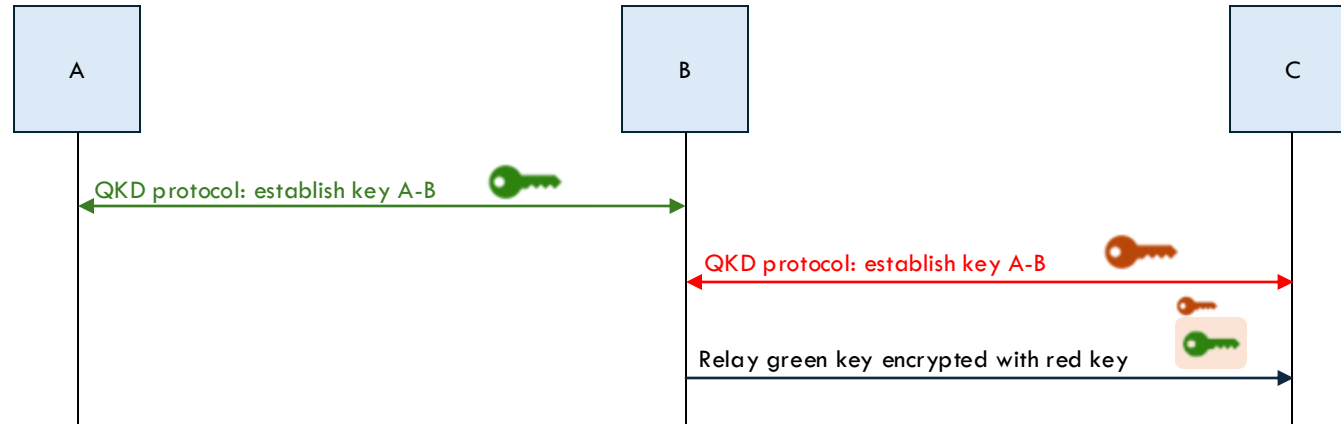


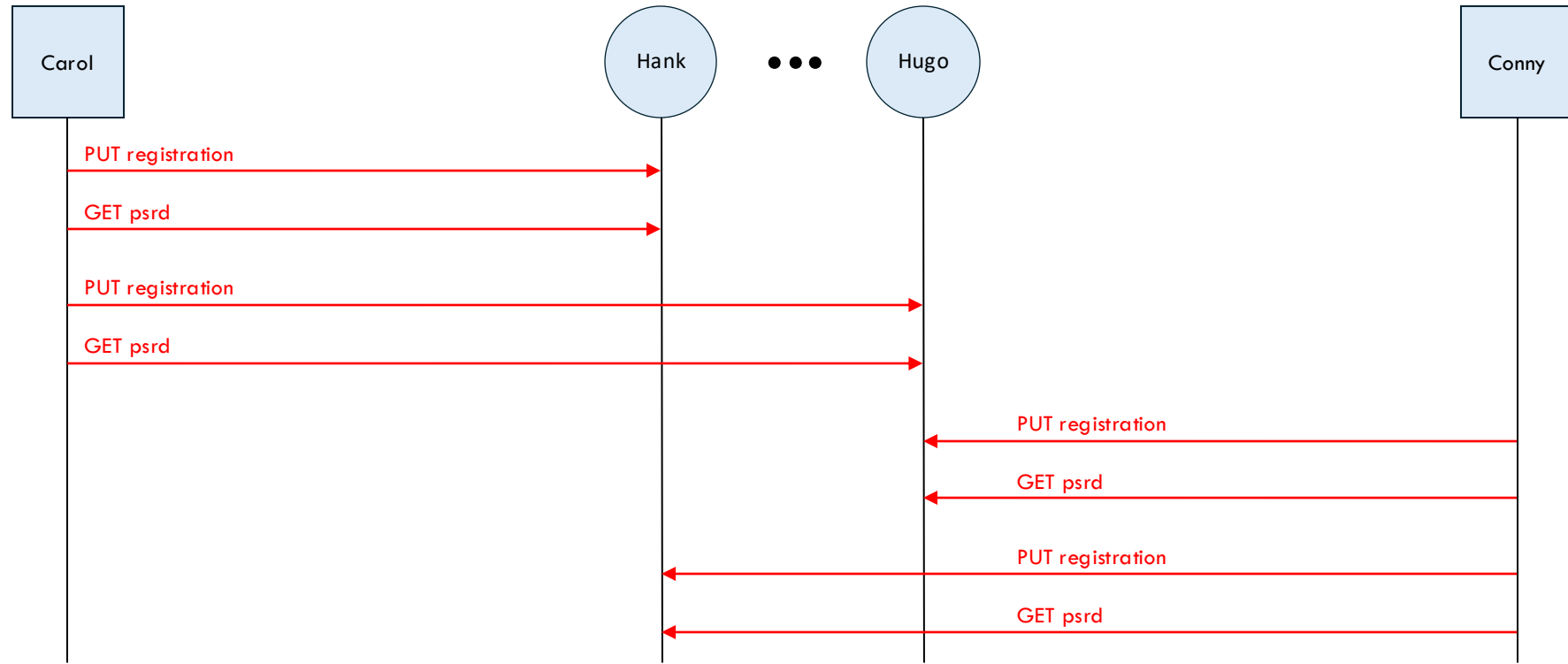
Client Carol



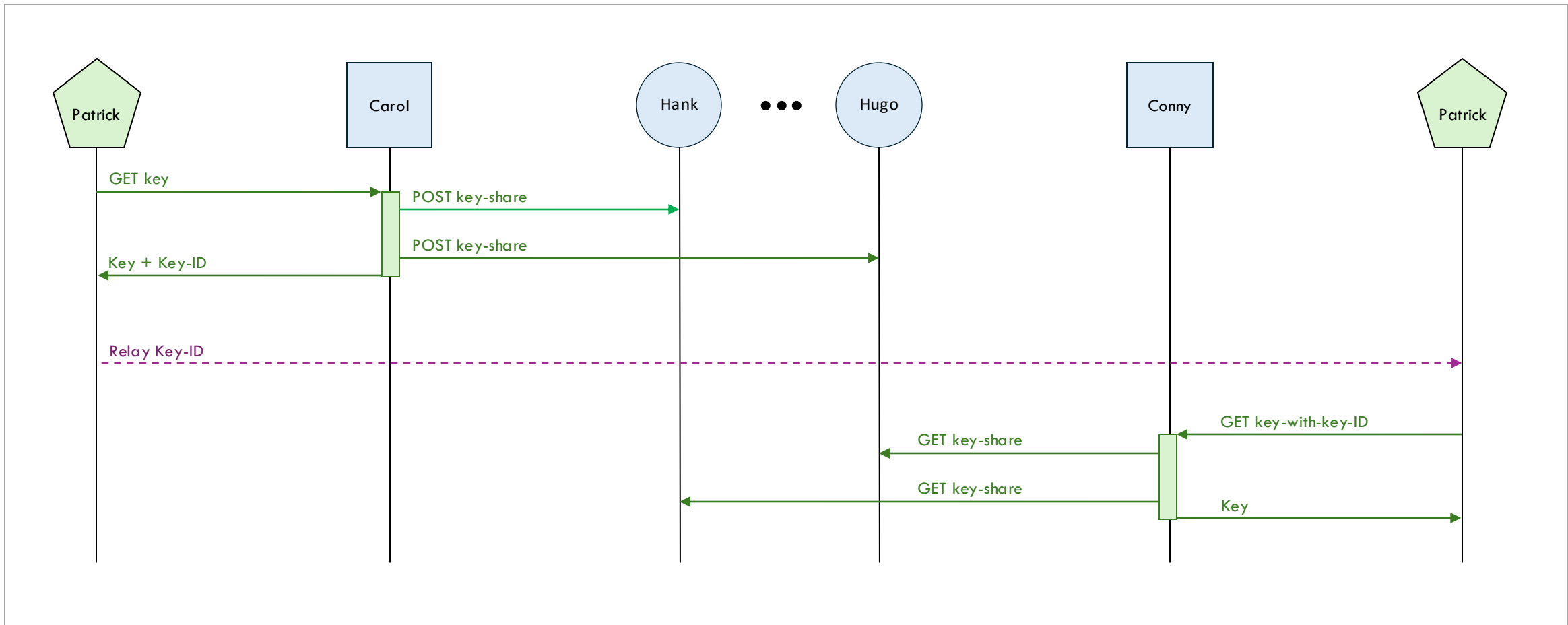
DSKE out-of-band protocol  
PSRD block

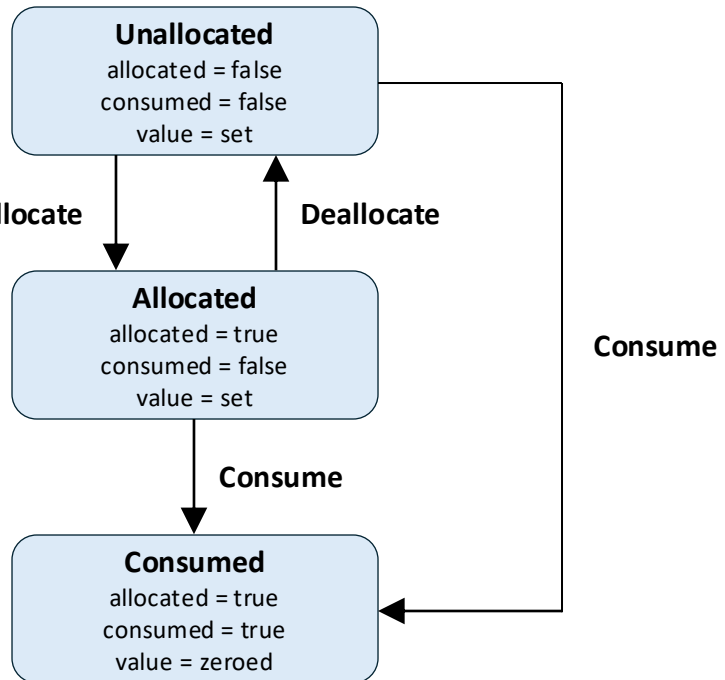
DSKE in-band protocol  
Encrypted key share  
Encryption key meta-data

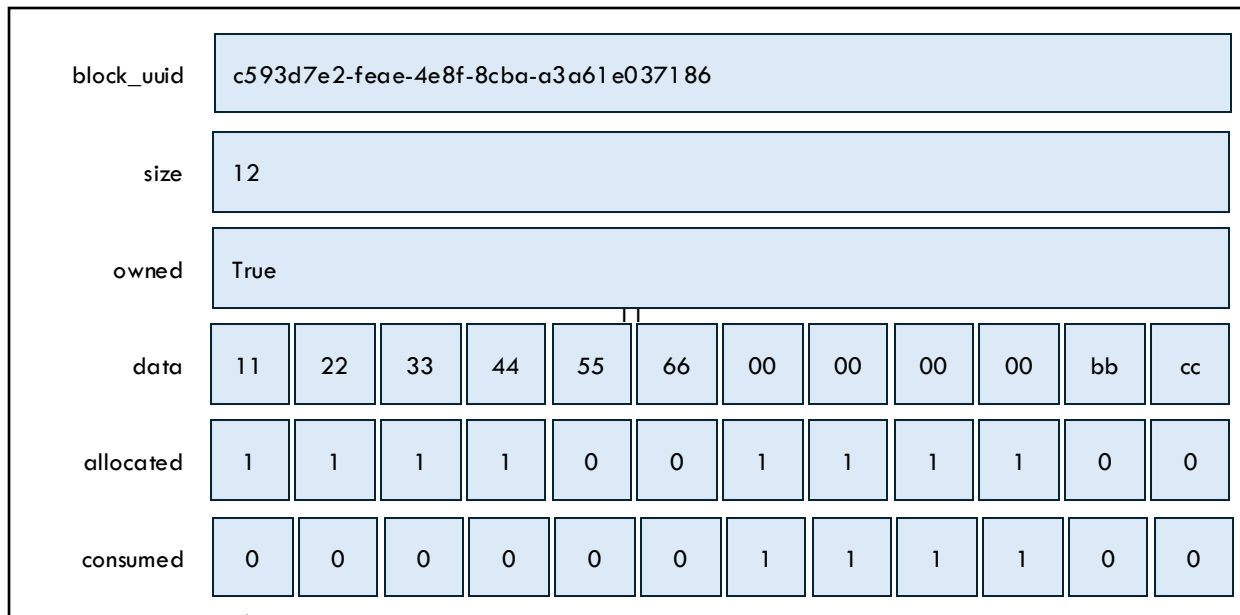




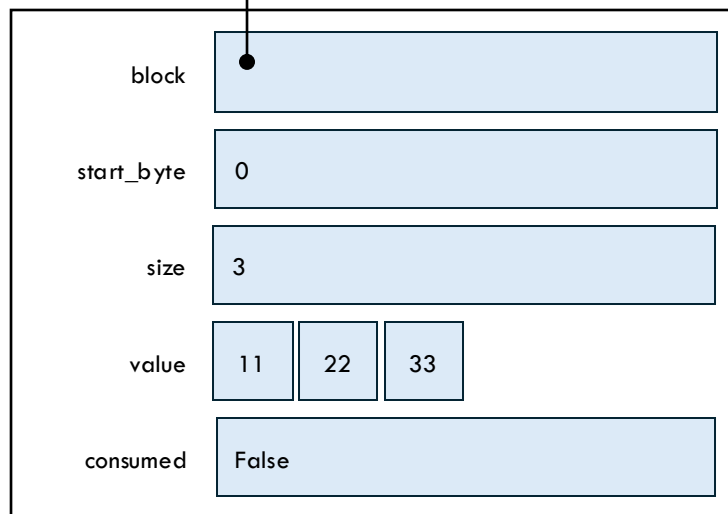




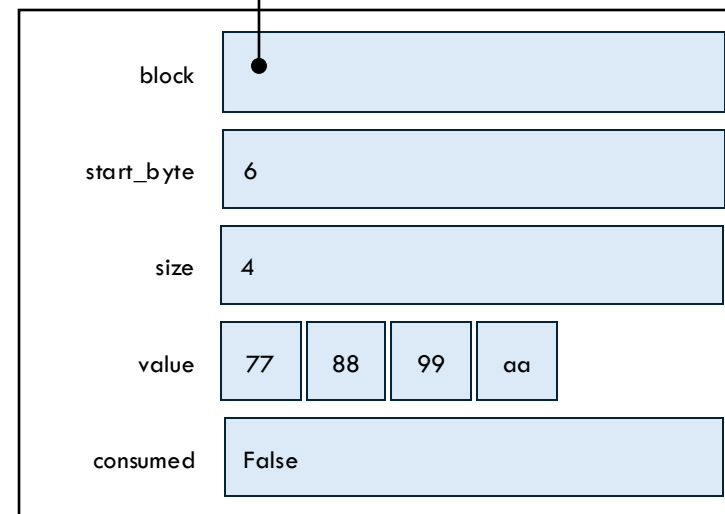




**Block**



**Fragment**



**Fragment**