SET Token Delivery Using HTTP

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Overview

- changes since IETF99
- open questions
- Q & A
Changes Since IETF99

● current draft: draft-ietf-secevent-delivery-01
● previous draft: draft-hunt-secevent-delivery-00
● verification event definition moved to management API
Open Question: Delivery Method Optionality

- most transmitters want to implement only one of the delivery methods
- both push and polling are defined in the same spec
Open Question: Delivery Method Attributes

- Push Delivery
  - endpoint URL (read-write)
  - authorization header (read-write)

- Polling Delivery
  - endpoint URL (read-only)
Open Question: Delivery Method Attribs - Example

{
    "aud": "http://www.example.com",
    "delivery": {
        "delivery_method": "urn:example:secevent:delivery:http_post",
        "url": "https://receiver.example.com/events",
        "authorization": "Basic dXNlcm5hbWU6cGFzc3dvcmQ="
    },
    "events": [
        "urn:example:secevent:events:type_1",
        "urn:example:secevent:events:type_2",
        "urn:example:secevent:events:type_3"
    ]
}
Open Question: HTTP Authorization Header

- Push Delivery only
- Receiver to specify optional static HTTP authorization header
  - Basic auth
  - API key
  - OAuth 2 Access Token (if longer lived)
- It prevents DoS
Q & A