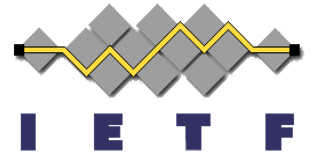


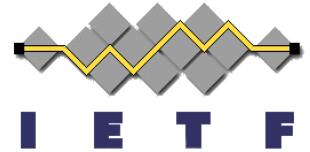
Security Event Token (SET)

draft-ietf-secevent-token

Michael B. Jones
IETF 99, Prague
July 2017

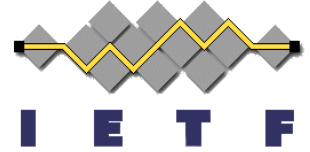


Status Review



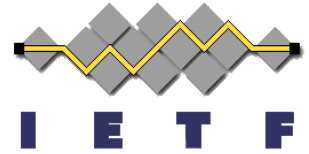
- Current version draft-ietf-secevent-token-02
- Functionality stable
- Edits since IETF 98 have addressed the issues discussed there and on the list

Updates Since IETF 98



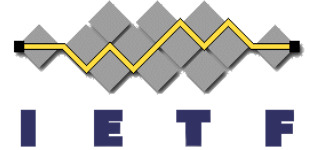
- Described how to prevent confusion of SETs with ID Tokens, access tokens, and other kinds of JWTs
- Registered “`application/secevent+jwt`” content type and defined how to use it for explicit typing of SETs
- Noted that some SET profiles may choose to place event subject info in the event payload
- Added Requirements for SET Profiles section

Preventing Confusion of SETs with ID Tokens



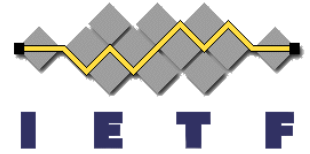
- The “`exp`” claim is to be omitted from SETs
 - Because “`exp`” is required in ID Tokens, existing ID Token validation code will reject SETs
- *This is actually defense in depth*
 - Not having a valid “`nonce`” value already prevents confusion

Explicit Typing Added



- The “`application/secevent+jwt`” content type is defined to enable explicit typing of SETs using the “`typ`” header parameter
- Aligns with guidance in proposed JWT BCP
 - `draft-sheffer-oauth-jwt-bcp`

Status and Next Steps



- Functionality has been stable for most of a year
- Meets the needs of known use cases
- Vigorous discussions since IETF 98 generated solutions to the previously open issues

- Several have already stated on the list that it's time for Working Group Last Call
 - I agree with this assessment