Subject Identifier Types

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IETF 101 – March 2018
RISC Scenarios

• Explicit Reliance:
  • OIDC Relying Party and OpenID Provider
  • Service Provider and Enterprise Directory

• Implicit Reliance:
  • Amazon and Google, Microsoft, Yahoo, ...
  • WhatsApp and AT&T, Deutsche Telekom, Vodafone, ...
Subject Identifier Type

• "light-weight schema that describes a set of claims that uniquely identifies a subject."
  • A name for the type.
  • The set of claims that have meaning within the type.

• Four types defined in RISC:
  • Email
  • Phone Number
  • Issuer and Subject
  • ID Token Claims
Example: Email

{  
  "subject": {  
    "subject_type": "email",
    "email": "user@example.com",
  
  }
}
}
Example: Phone Number

```json
{
  "subject": {
    "subject_type": "phone",
    "phone": "+1 206 555 0123",
  }
}
```
Example: Issuer and Subject

{
    "subject": {
        "subject_type": "iss-sub",
        "iss": "https://issuer.example.com/",
        "sub": "abc1234",
    }
}
Example: ID Token Claims

```json
{
    "subject": {
        "subject_type": "id-token-claims",
        "iss": "https://issuer.example.com/",
        "sub": "abc1234",
        "email": "user@example.com",
        "phone_number": "+1 206 555 0123"
    }
}
```
Secevents ➔ RISC ➔ Secevents?

- `draft-backman-secevent-token`

- [https://bitbucket.org/openid/risc/src](https://bitbucket.org/openid/risc/src)
  - Defines IANA registry: "Security Event Subject Identifier Types"