

Subject Identifier Types

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RISC Scenarios

- Explicit Reliance:

- OIDC Relying Party and OpenID Provider
- Service Provider and Enterprise Directory

Issuer+subject pair*

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- Implicit Reliance:

- Amazon and Google, Microsoft, Yahoo, ...
- WhatsApp and AT&T, Deutsche Telekom, Vodafone, ...

Email Address

Phone number

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

```
{  
  "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

```
{  
  "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>
 - Defines IANA registry: "Security Event Subject Identifier Types"