SHREQ (Signed HTTP Requests) – Two Variants

Using Compact JWS

Using Detached JWS + JCS

POST /transact/pay HTTP/1.1
Host: example.com
Content-Type: application/json
Content-Length: 1234

```
{
    "payme": "10000000000.99",
    "currency": "USD",
    ".secinf": {
        "uri": "https://example.com/transact/pay",
        "mtd": "POST",
        "iat": 1551361123,
        "jws": "eyJhbGciOiJI..VHVItCBCb849imarDt"
    }
}
```

POST /transact/pay HTTP/1.1
Host: example.com
Content-Type: application/jws+shreq
Content-Length: 1234

eyJhbGciOiJI.eyjjjg74sfgg8Hdr7.VHVItCBCb849imarDt

JWS Protected Header Extension

```
".secinf": {
    "uri": "https://example.com/transact/pay",
    "mtd": "POST",
    "iat": 1551361123
}
```

JSON Clear-text Payload

Arbitrary Base64Url-encoded JWS Payload

Common Characteristics

- Self-contained *serializable* requests
- JWS/JWA for crypto
- Common ".secinf" data including (here not shown) *optional canonicalized HTTP headers*
- REST compliant