

Sig tools

Install

```
$ npm install --save @bitkipi/sig-tools
```

Usage

```
import { createSignature, isSignatureValid } from '@bitkipi/sig-tools'

const SECRET = 'MY SECRET KEY'

// create signature and send it via http header

const reqPayload = JSON.stringify({
  val: 123,
  val1: 123456
})

const signature = createSignature({
  algorithm: 'sha256',
  secret: SECRET,
  data: reqPayload
})

try {
  await axios.post('http://localhost:5000/my-webhook-endpoint',
    reqPayload, {
      headers: {
        'x-sig-256': signature,
        'content-type': 'application/json'
      }
    })
} catch (err) {
  console.log(err.response.data)
}

// verify signature (Express example)

const valid = isSignatureValid({
  algorithm: 'sha256',
  secret: SECRET,
  data: req.rawBody,
  signature: req.headers['x-sig-256']
})
```

Tests

```
$ npm run test
```

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