

Crypto Module:

<https://www.ibm.com/docs/en/datapower-gateway/10.0.1?topic=apis-crypto-module>

En DataPower disponemos de una serie de módulos (librerías nativas) que también podemos utilizarlas en un Policy **Gatewayscript** de **API Connect**. En este caso he creado una API (**api-pari-crypto_1.0.0**) y una operación **GET /procesar**, a través de un **Gatewayscript** validaré el módulo crypto de datapower. Adjunto yaml [api-pari-crypto_1.0.0.zip](#)



```
1 var crypto = require('crypto');
2 var key = new Buffer("a73e3406e7dcc5fc168d9ae9954ec6e0d85e4444");
3
4 var hmac = crypto.createHmac('sha256', key);
5 var input = "This is plaintext to hash";
6 var result = hmac.update(input).digest('base64');
7
8 session.output.write(result);
```

GET https://ademo-gw-gateway-cp4i-trial.cp4i-trial-202141-xhbqm3-e8b59cf553f37698ff3156d883d193e8-0000.us-east.containers.appdo

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (43) Test Results Status: 200 OK Time: 99 ms Size: 1.6

Pretty Raw Preview Visualize Text

```
1 APURzyIxqDpz4u9F1DHVEMVJvc1+vk+BzDo183YFTVE=
```

Policy GatewayScript

Code:

<https://github.com/juliopari/api-connect-10-snippets/blob/main/gatewayscript-crypto-module.js>

12 lines (9 sloc) | 325 Bytes

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3
4  var hmac = crypto.createHmac('sha256', key);
5  var input = "This is plaintext to hash";
6  var result = hmac.update(input).digest('base64');
7
8  session.output.write(result);
9
10 /*
11 Salida: APURryIqxDpz4u9F1DHVEMVJVc1+vk+BzDo183YFTVE=
12 */
```

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