

Sitio web: <https://mkjwk.org>

Un **JWK (JSON Web Key)** es una clave criptográfica expresado en formato **JSON**.

A JSON Web Key (JWK) is a cryptographic key or keypair expressed in JSON format. This site offers a mechanism to easily generate random keys for use in servers and other projects.

This server will never log or store any generated keys. The source code for this server is available on GitHub for inspection and re-use. If you would like to generate your own key locally (so as not to trust a remote service with your secret keys), you can use the command line utility version of the library that powers this site.

Ejemplo OCT

- **kid**: viene a ser como un `client_id`
- **k**: viene a ser como un `cliente_secret` (es un hash)

The screenshot shows the JWK Generator interface with the following settings:

- Key Type: **oct** (selected)
- Key Size: **2048**
- Key Use: **Signature**
- Algorithm: **HS256: HMAC usi**
- Key ID: **Specify** (dropdown) with value **hs256-key**

The **Generate** button is highlighted in orange. Below the form, two panels display the generated JSON:

Shared Key:

```
{
  "kty": "oct",
  "use": "sig",
  "kid": "hs256-key",
  "k": "h46SEPK7gbJsaJ8LEw708L6PSr20SKAkwwjBUEDcDatpYgYVTJvuEq7cCtF4WmxonZxyTd10pG",
  "alg": "HS256"
}
```

Shared Key Set:

```
{
  "keys": [
    {
      "kty": "oct",
      "use": "sig",
      "kid": "hs256-key",
      "k": "h46SEPK7gbJsaJ8LEw708L6PSr20SKAkwwjBUEDcDatpYgYVTJvuEq7cCtF4WmxonZ",
      "alg": "HS256"
    }
  ]
}
```

Both panels have a **Copy to Clipboard** button.

Shared Key

```
{
  "kty": "oct",
  "use": "sig",
  "kid": "hs256-key",
  "k":
  "h46SEPK7gbJsaJ8LEw708L6PSr20SKAkwwjBUEDcDatpYgYVTJvuEq7cCtF4WmxonZxyT
  dl0pGu4htFQ0rClT3-o3k8jAi-G4UWRtXzujDGJG-_se-
```

```
_mk7yg1BDZMw0JjEKuZHlk3rEgJ9G6h6IRKXjq5gD-52bz9VtWwIyGUs037MrPYo8HT0FK  
_QaF37y7ttCM8Y0RY6CnWs3Rxrkp34DmEzpbuj5RZuk-  
v0AFXe7LiDhsoMzSmVM0UocFzl-SjrPt-g7PbqUK-  
VjpXqo2k0AjkSHlI0CPkD7ygX32QBxokZ4RqnkkR0rE13k5pn8H0bsNyNk5GRuepBvpANT  
IwQ",  
  "alg": "HS256"  
}
```

Fuentes

- Especificación JWK: <https://www.rfc-editor.org/rfc/rfc7517>
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