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# **miniOrange JWT Connector**

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## Usage

### Using in Browsers

- Just include the script like any other script:

```
1 <script src="./miniorange-jwt-connector.js"></script>
```

### Using in Node JS

- Require or import `MoJwt` object from the script.

```
1 const MoJwt = require("./miniorange-jwt-connector.js");
```

**OR**

```
1 import MoJwt from "./miniorange-jwt-connector.js";
```

You can then use it from this object like so:

```
1 let jwtBuilder = new MoJwt.JWTBuilder();
```

## Creating a JWT

- You can create a JWT using the `JWTBuilder` class.

```
1 var jwtBuilder = new JWTBuilder();
```

- You can add multiple required claims to it like so:

```
1 jwtBuilder.setJti(jti);
2 jwtBuilder.setSub(sub);
3 jwtBuilder.setIssuer(issuer);
4 jwtBuilder.setAudience(aud);
5 jwtBuilder.setIssueTime(issTimeInEpoch);
6 jwtBuilder.setExpiry(expTimeInEpoch);
```

- You can also add additional custom claims like so:

```
1 jwtBuilder.addClaim("key", "value");
```

- Finally, you can set a secret.

- Generate a secret:

```
1 jwtBuilder.generateSecret();
2 var generatedSecret = jwtBuilder.secret;
```

- Set your own secret: `var mySecret = generateRandomSecret(); jwtBuilder.setSecret(mySecret);`

- To get the Actual Signed JWT string:

```
1 var signedJwt = jwtBuilder.createJwt();
```

## Verifying a JWT

- You can verify a JWT using the `JWTBuilder` class.

```
1 var jwtBuilder = new JWTBuilder();
```

- Initialize the JWT using `parseJwt()`

```
1 jwtBuilder.parseJwt(signedJwt); // JWT String
```

- You can set the secret that was shared by your IdP:

```
1 jwtBuilder.setSecret(getSharedSecret());
```

This secret can be the client secret or a RSA certificate string.

- You can now verify the JWT:

```
1 var verified = jwtBuilder.verifyJwt();
```

- Once you find the JWT is verified, you can go ahead and get the data from JWT.

```
1 var payload = jwtBuilder.getPayload();
```

`payload` will contain all the data in the JWT.