

## Header

```
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9
urlsafe_base64*({"..."})
```

## Payload

```
eyJsb2dpbiI6ImFkbWwudn0
urlsafe_base64*({"..."})
```

## Signature

```
FSfvCBAwypJ4abF6jFLmR7
JgZhkW674 Z8dldAIRyt1 ...
urlsafe_base64*(...)
```

\* urlsafe\_base64 with no padding: <https://tools.ietf.org/html/rfc7515#appendix-C>

### Header review:

- Support for "None" algorithm disabled
- No Injection in the "kid" element
- Embedded "jwk" elements are not trusted
- Whitelist of algorithms enforced
- Replay protection via "jti" element

### Payload review:

- Check for sensitive information stored in the payload
- Check for token's expiry enforced via "exp" or "iat" elements

### Signature review:

- Check if the signature is enforced
- Try to brute force the secret key
- Check for time constant verification for HMAC
- Ensure that keys and secrets are stored outside of source
- Check that keys and secrets are different between environments