

JSON Web Tokens are an open, industry standard **RFC 7519** (<https://tools.ietf.org/html/rfc7519>) method for representing claims securely between two parties.

JWT.IO allows you to decode, verify and generate JWT.

LEARN MORE ABOUT JWT (/INTRODUCTION)

SEE JWT LIBRARIES (/LIBRARIES)

Debugger

Warning: JWTs are credentials, which can grant access to resources. Be careful where you paste them! We do not record tokens, all validation and debugging is done on the client side.

Encoded

PASTE A TOKEN HERE

Decoded

EDIT THE PAYLOAD AND SECRET

HEADER: ALGORITHM & TOKEN TYPE

```
{
  "typ": "JWT",
  "alg": "RS256",
  "kid": "JDNa_4i4r7FgigL3sHI1I3xV-IU"
}
```

PAYLOAD: DATA

```
{
  "aud": "c9f01ebc-f7ac-4cba-8cfe-c1087a87d1e2",
  "iss": "https://login.microsoftonline.com/d1de9ec6-0a1d-4780-90a7-c90800d2e75b/v2.0",
  "iat": 1742599249,
  "nbf": 1742599249,
  "exp": 1742603149,
  "aio":
"AXQAi/8ZAAAX0MSbeB2NV+sGpNAwKt5IMbITnkjEe503QTizE7c9A
gGiPMvK6HogL4efE2BoVJB2ZnCnqm/+1/ANQoRc09caWqvU74CVh8of
jAc+QP0+DHns48y2Dc+oPPQdx6Sa/THtrR0m5IYdAPkQ8SL5PUDVw==
",
  "name": "Alfonso Zanuy",
  "nonce":
"192Fgb_BzLIYMheplzDu14Xwm1IXWLf0oikm4sI76WQ",
  "oid": "628d27c9-5ac0-414f-95af-25313cb84e62",
  "preferred_username":
"AlfonsoZanuy@alfonsozanuy.onmicrosoft.com",
  "rh":
"1.AWEBxp7e0R0KgEeQp8kIANLnW7we8Mms97pMjP7BCHqH0eLKAWxh
AQ.",
  "roles": [
    "2",
    "3",
    "1"
  ],
  "sid": "002ff189-46a1-889a-4106-f97b09d2c184",
}
```

Get an exclusive look at jwt.io v2 and help us shape its final form with your feedback. → (https://a0.to/jwt-io-feedback)

eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImt...

JWT ID: "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImt...

Header: {"alg": "RS256", "typ": "JWT", "ver": "2.0"}

Signature: "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImt...

VERIFY SIGNATURE

RSASHA256(
base64UrlEncode(header) + "." +
base64UrlEncode(payload),
{
"e": "AQAB",
"kty": "RSA",
"n": "iQ745_U-vjkxPblaw6phB",
"d": "pZC16IkpeTmFfNGk0cjdgZ21nTDNzSEI...

Private Key in PKCS #8, PKCS #1, or JWK string format. The key never leaves your browser.

✔ Signature Verified

SHARE JWT

Get the JWT Handbook for free! Download it now and get up-to-speed faster.

Looking for a JWT library?

Head on over to our libraries page to find a JWT library in your favorite language.


SEE ALL LIBRARIES (/LIBRARIES)

Badges



<http://...>  (<http://jwt.io/img/badge.svg>)



 (<http://jwt.io/img/badge-compatible.svg>)

Logotype



<http://j...>  (<http://jwt.io/img/icon.svg>)



<h...>  (<http://jwt.io/img/logo-asset.svg>)

JWT.io is brought to you by Auth0 (https://auth0.com/signup/?utm_source=jwt.io&utm_medium=microsites&utm_campaign=devn_signup)

Securely implement authentication with JWTs using Auth0 on any stack and any device in less than 10 minutes.

CREATE FREE ACCOUNT ([HTTPS://AUTH0.COM/SIGNUP/?UTM_SOURCE=JWT.IO&UTM_MEDIUM=MICROSITES&UTM_CAMPAIGN=DEVN_SIGNUP](https://auth0.com/signup/?utm_source=jwt.io&utm_medium=microsites&utm_campaign=devn_signup))

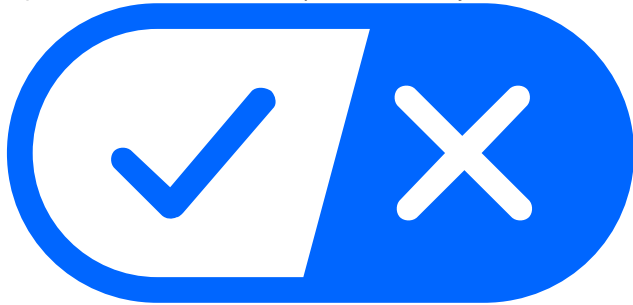
TOKENS CREATED

1 8 2 5 5 5 8 0 1 5 6 4

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