



JWS Class

Contains methods that apply a digital signature to a JSON Web Token (JWT), using a JSON Web Signature (JWS) data structure. This class creates the signed JWT bearer token, which can be used to request an OAuth access token in the OAuth 2.0 JWT bearer token flow.

Namespace

[Auth](#)

Usage

Use the methods in this class to sign the JWT bearer token with the X509 certificate.

- [JWS Constructors](#)
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JWS Constructors

The following are constructors for `JWS`.

- [JWS\(*jwt*, *certDevName*\)](#)
Creates an instance of the `JWS` class using the specified `Auth.JWT` payload and the certificate used for signing the JWT bearer token.
- [JWS\(*payload*, *certDevName*\)](#)
Creates an instance of the `JWS` class using the specified payload and certificate used for signing the JWT bearer token.

JWS(*jwt*, *certDevName*)

Creates an instance of the `JWS` class using the specified `Auth.JWT` payload and the certificate used for signing the JWT bearer token.

Signature

```
public JWS(Auth.JWT jwt, String certDevName)
```

Parameters

jwt

Type: [Auth.JWT](#)

The Base64-encoded JSON Claims Set in the JWT bearer token generated by `Auth.JWT`.

certDevName

Type: [String](#)

The `Unique Name` for a certificate stored in the Salesforce org's Certificate and Key Management page to use for signing the JWT bearer token.

Usage



Creates an instance of the `JWS` class using the specified payload and certificate used for signing the JWT bearer token.

Signature

```
public JWS(String payload, String certDevName)
```

Parameters

payload

Type: [String](#)

The Base64-encoded JSON Claims Set in the JWT bearer token.

certDevName

Type: [String](#)

The `Unique Name` for a certificate stored in the Salesforce org's Certificate and Key Management page to use for signing the JWT bearer token.

Usage

Sets the *payload* string as the payload of the JWT bearer token. Alternatively, if you generate the payload using `Auth.JWT`, you can use `JWS(jwt, certDevName)` instead.

JWS Methods

The following are methods for `JWS`. All are instance methods.

- [clone\(\)](#)
Makes a duplicate copy of the `JWS` object.
- [getCompactSerialization\(\)](#)
Returns the compact serialization representation of the `JWS` as a concatenated string, with the encoded `JWS` header, encoded `JWS` payload, and encoded `JWS` signature strings separated by period ('.') characters.

clone()

Makes a duplicate copy of the `JWS` object.

Signature

```
public Object clone()
```

Return Value

Type: [JWS](#)

getCompactSerialization()

Returns the compact serialization representation of the `JWS` as a concatenated string, with the encoded `JWS` header, encoded `JWS` payload, and encoded `JWS` signature strings separated by period ('.') characters.

Signature

```
public String getCompactSerialization()
```

Return Value

Type: [String](#)



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