

[App Store Server API](#) / JWSAppTransaction

Type

JWSAppTransaction

App transaction information signed by the App Store, in JSON Web Signature (JWS) Compact Serialization format.

App Store Server API 1.17+

```
string JWSAppTransaction
```

Discussion

The `JWSAppTransaction` type is a string of three Base64URL-encoded components separated by a period. The string contains the JWS Compact Serialization of the transaction information, signed by the App Store according to the JSON Web Signature (JWS) [IETF RFC 7515](#) specification.

The three components of the string are a header, a payload, and a signature, in that order.

- To read the transaction information, Base64URL-decode the payload. Use a [`JWSAppTransactionDecodedPayload`](#) object to read the payload information.
- To read the header, decode it and use a [`JWSDecodedHeader`](#) object to access the information. Use the information in the header to verify the signature.

Use App Store Server Library functions

To verify a `JWSAppTransaction` on your server, consider implementing the verification using the App Store Server Library function `verifyAndDecodeAppTransaction`. The library provides this function in each language the library supports. For more information, see [Simplifying your implementation by using the App Store Server Library](#).

See Also

JWS headers and payloads

`object JWSDecodedHeader`

A decoded JSON Web Signature (JWS) header containing transaction or renewal information.

`object JWSTransactionDecodedPayload`

A decoded payload that contains app transaction information.

`type JWSTransaction`

Transaction information signed by the App Store, in JSON Web Signature (JWS) Compact Serialization format.

`object JWSTransactionDecodedPayload`

A decoded payload that contains transaction information.

`type JWSRenewalInfo`

Subscription renewal information, signed by the App Store, in JSON Web Signature (JWS) format.

`object JWSRenewalInfoDecodedPayload`

A decoded payload containing subscription renewal information for an auto-renewable subscription.

☰ Data types

Refer to these data types for decoded transaction and renewal information payloads.