

## Documentation

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[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 `JWSAppTransactionDecodedPayload`

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.