

[Apple CryptoKit](#) / [SHA2\\_384](#)

## Type Alias

# SHA2\_384

An implementation of Secure Hashing Algorithm 2 (SHA-2) hashing with a 384-bit digest.

iOS 26.0+ | iPadOS 26.0+ | Mac Catalyst 26.0+ | macOS 26.0+ | tvOS 26.0+ | visionOS 2.0+ | watchOS 26.0+

```
typealias SHA2_384 = SHA384
```

## Discussion

The [SHA2\\_384](#) hash implements the [HashFunction](#) protocol for the specific case of SHA-2 hashing with a 384-bit digest ([SHA384Digest](#)). Larger digests take more space but are more secure.

You can compute the digest by calling the static `hash(data:)` method once. Alternatively, if the data that you want to hash is too large to fit in memory, you can compute the digest iteratively by creating a new hash instance, calling the `update(data:)` method repeatedly with blocks of data, and then calling the `finalize()` method to get the result.