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Property List Key

NSPinnedCAIdentities

A list of allowed Certificate Authority certificates for a given domain name.

iOS 14.0+ | iPadOS 14.0+ | macOS 11.0+ | visionOS 1.0+

Details

Type

Array of dictionaries

Discussion

Provide an array of dictionaries as the value for this key. Each dictionary in the array contains the [SPKI-SHA256-BASE64](#) key with a value that represents the Base64-encoded SHA-256 digest of an X.509 certificate's DER-encoded ASN.1 Subject Public Key Info (SPKI) structure.

```
NSPinnedCAIdentities : Array {  
    Dictionary {  
        SPKI-SHA256-BASE64 : String  
    }  
}
```

When making a network connection to a named domain, App Transport Security (ATS) blocks the connection unless it can find the SPKI digest of at least one Certificate Authority (CA) or sub-CA certificate in the chain presented by the server.

You must include this key or the [NSPinnedLeafIdentities](#) key or both in each domain-specific [NSPinnedDomains](#) subdictionary. If you include both, then both must produce a match.

Topics

Key Digests

`SPKI-SHA256-BASE64`

The digest of an X.509 certificate's Subject Public Key Info structure.

See Also

Identities

`NSPinnedLeafIdentities`

A list of allowed leaf certificates for a given domain name.