Dependency

For existing applications, below are additional dependencies that must be added to the project.

iOS

Below dependencies must be added in the Pod file.

```
// Native FIDO2 External
pod 'YubiKit', '~> 4.2.0'
```

Android

- Below App level gradle dependencies must be added.

```
// Native FIDO2 External
implementation 'com.google.android.gms:play-services-fido:19.0.0'
implementation 'androidx.lifecycle:lifecycle-process:2.5.1'
```

- Host *assetlinks.json* at your domain as per reference given <u>here</u>

Methods Signature - iOS

Method: Register
public func registerFIDO2Key(controller: **UIViewController**, userName: **String**, tenantDNS: **String**, communityName: **String**, type: **FIDO2KeyType**, completion: @escaping **FIDO2Callback**)

Parameters	
controller	An object of UIViewController
userName	String: non-empty value
tenantDNS	String:tenant dns (e.g. https://1k-dev.1kosmos.net)
communityName	String: community name (e.g. default)
type	FIDO2KeyType
completion	FIDO2Callback

Method: Authenticate
public func authenticateFIDO2Key(controller: **UIViewController**, userName: **String**, tenantDNS: **String**, communityName: **String**, type: **FIDO2KeyType**, completion: @escaping **FIDO2Callback**)

Parameters	
controller	An object of UIViewController
userName	String: non-empty value
tenantDNS	String:tenant dns (e.g. https://1k-dev.1kosmos.net)
communityName	String: community name (e.g. default)
type	FIDO2KeyType

completion	FIDO2Callback

Enum	
FIDO2KeyType	
Value	
PLATFORM	Use during silent FIDO2 registration
CROSS_PLATFORM	FIDO2 registration using external / physical key

Completion Handler	
FIDO2Callback = ((_ status: **Bool**, _ error: **ErrorResponse**?) -> Void)	
Value	
status	**Bool**: Indicates the result of FIDO2 registration
error	**ErrorResponse**: An object indicating error occurred during FIDO2 registration

Methods Signature - Android

Method: Register
public void registerFIDO2Key(**@NonNull Context** context, **@NonNull String** userName, **@NonNull String** tenantDNS, **@NonNull String** communityName, **@NonNull FIDO2KeyType** type, **FIDO2Observer** observer, **@NonNull FIDO2Callback** callback)

Parameters	
context	An object of Activity Context
userName	String: non-empty value
tenantDNS	String:tenant dns (e.g. https://1k-dev.1kosmos.net)
communityName	String: community name (e.g. default)
type	FIDO2KeyType
observer	FIDO2Observer: An object to observe the activity result
callback	FIDO2Callback

Method: Authenticate
public void authenticateFIDO2Key(**@NonNull Context** context, **@NonNull String** userName, **@NonNull String** tenantDNS, **@NonNull String** communityName, **@NonNull FIDO2KeyType** type, **FIDO2Observer** observer, **@NonNull FIDO2Callback** callback)

Parameters	
context	An object of Activity Context
userName	String: non-empty value
tenantDNS	String:tenant dns (e.g. https://1k-dev.1kosmos.net)

communityName	String: community name (e.g. default)
type	FIDO2KeyType
observer	FIDO2Observer: An object to observe the activity result
callback	FIDO2Callback

Enum	
FIDO2KeyType	
Value	
PLATFORM	Use during silent FIDO2 registration
CROSS_PLATFORM	FIDO2 registration using external / physical key

Interface: FIDO2Callback	
void onFIDO2Response(**boolean** status, **ErrorResponse** errorResponse)	
Value	
status	**boolean**: Indicates the result of FIDO2 registration
errorResponse	**ErrorResponse**: An object indicating error occurred during FIDO2 registration