



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 [here](#)



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
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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