



Prerequisites

- User must already be onboarded (linked)

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 , linkedAccount: BIDLinkedAccount? , type: FIDO2KeyType , completion: @escaping FIDO2Callback)	
Parameters	
controller	An object of UIViewController
linkedAccount	An object BIDLinkedAccount
type	FIDO2KeyType
completion	FIDO2Callback

Method: Authenticate	
public func authenticateFIDO2Key(type: FIDO2KeyType , controller: UIViewController? = nil, sessionId: String? , sessionURL: String , creds: String , scopes: String , lat: Double , lon: Double , origin: BIDOrigin , userId: String? = nil, metaData: [String: Any]? = nil, completion: @escaping FIDO2Callback)	
Parameters	
type	FIDO2KeyType
controller	An object of UIViewController
sessionId	Session for authentication
sessionURL	Complete session URL containing sessionID
creds	Verifiable credentials issued to user
scopes	Scopes defined for authentication
lat	Latitude of user's location



lon	Longitude of user's location
origin	Origin details of user
userId	UserID of user's account
metaData	Authentication data
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 BIDLinkedAccount account, @NonNull FIDO2KeyType type, FIDO2Observer observer, @NonNull FIDO2Callback callback)	
Parameters	
context	An object of Activity Context
account	An object BIDLinkedAccount
type	FIDO2KeyType
observer	FIDO2Observer: An object to observe the activity result
callback	FIDO2Callback

Method: Authenticate	
public void authenticateFIDO2Key(@NonNull Context context, @NonNull FIDO2KeyType type, FIDO2Observer observer, @Nullable String userId, @NonNull String sessionID, @NonNull String sessionUrl, String scopes, LinkedHashMap<String, Object> metadata, String creds, @NonNull BIDOrigin origin, String latitude, String longitude, String versionName, @NonNull FIDO2Callback callback)	
Parameters	
context	An object of Activity Context
type	FIDO2KeyType
observer	FIDO2Observer: An object to observe the activity result
userId	UserID of user's account
sessionID	Session for authentication



sessionUrl	Complete session URL containing sessionID
scopes	Scopes defined for authentication
metadata	Authentication data
creds	Verifiable credentials issued to user
origin	Origin details of user
latitude	Latitude of user's location
longitude	Longitude of user's location
versionName	Application version number
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