

WaveId Mobile in React Native



Introduction

WaveId app is use for matching BLE device . There are three main functionality use for this app.

- **Scan BLE device**
- **Convert cardId to byte**
- **Authenticate device**

Scan BLE Device (startScan)

Scan for matching peripherals and promise returning the payload with matching peripheral, if found any. This function having three parameter s.

- 1) **time** – scanning time in second
- 2) **rsi** - rssi in dbi
- 3) **throwErrorIfAlreadyScanning** :
if set to true will throw error if already scanning.

Convert CardId To Byte (encodeCardId)

Converts the cardId to the encoded byte array and pass cardId parameters. EncodeCardId returns byte array.

Authenticate Device (authPeripheral)

Encodes and writes 'cardId' to the provided peripheral device 'WRITE_CHARACTERISTIC_UUID' and check for acknowledgement from the peripheral by reading from 'READ_CHARACTERISTIC_UUID'. This function having two parameters and authPeripheral return authenticate status.

- 1) **peripheral** : matching peripheral device
- 2) **cardId** :