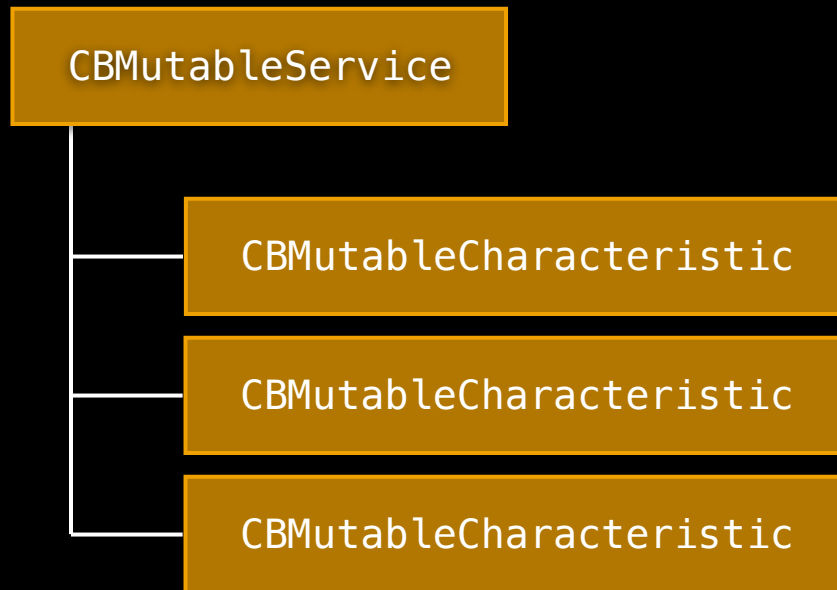**❶ Build Tree**

❷ Publish and Advertise

❸ Handle Requests

Server Setup—3 Easy Steps

Build Tree

Variables and Data

Static Data

```
CBMutableCharacteristic ── NSData
```

Dynamic Data

```
CBMutableCharacteristic ── nil
```

Publishing and Advertise

CBPeripheralManager

<CBPeripheralManagerDelegate>

addService

didAddService

startAdvertising

didStartAdvertising

Dynamic Data

CBPeripheralManager	<CBPeripheralManagerDelegate>

centralDidConnect

didReceiveReadRequest

respondToRequest

centralDidDisconnect

Subscribing

CBPeripheralManager

<CBPeripheralManagerDelegate>

centralDidConnect

didSubscribeToCharacteristic

updateValue

updateValue

updateValue

centralDidDisconnect

iOS Backgrounding

- Backgrounded apps
  - Scan and advertise
  - Connect
  - Interact
- "Start and stop" concept
- Info.plist:

```
UIBackgroundModes =
    [ "bluetooth-central" ]
```