Hands-on Lab

ReButton WiFi Config & OTA updates

Abstract: Add abstract here (Note that a long title may push the abstract down the page. Just delete some line breaks above the abstract if you need to reposition it).





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What you learn

- 1. 使用 Visual Studio Code 进行编译
- 2. 如何使用 OTA 完成软体的更新
- 3. 完成 ReButton 的 WiFi 设置

What you need

- 1. A ReButton
- 2. A computer running Windows 10 or macOS 10.10+
- 3. Visual Studio Code
- 4. Arduino IDE
- 5. An active Azure subscription. <u>Activate a free 30-day trial Microsoft Azure account</u>.



如何使用 OTA 完成软体的更新

- 1. 长按按键,一直按到按键是白灯状态,松开按键,这时,你会看到 LED 是白灯在闪烁。
- 2. 打开 PC 的 WiFi 选项,连接 AP AZB-xxxxxxxxxx, xxxxxxxxxx 是 MAC 地址。
- 3. 打开浏览器,输入<u>http://192.168.0.1</u>
- 4. 点击 Firmware Update

Wi-Fi						
Azure IoT Central						
Azure IoT Hub						
Device to Cloud (D2C) Message						
Firmware Update						
Shutdown						

- 5. url 请输入: https://rebutton.blob.core.windows.net/test/ReButton20.bin CRC 请输入: 0x38cd Package size 请输入: 644960
- 6. 按住按键,然后点击网页端的 Update

Current firmware version : 2.0	
Package URI	
Package CRC	
••••	
Package size	
	٢
Update Home Shutdown	

- 7. 按住物理按键大概 10 秒后,正常情况下,LED 开始闪烁,证明正在下载
- 8. 一直到 LED 的颜色变成白色,便可以松开物理按键
- 9. 重新连接 AP 进入 <u>http://192.168.0.1</u>
- **10.** 点击 Firmware Update, 进去里面可以看见 标题为 Current firmware version 是 **2.0**,证明已 经烧写成功。



使用 Visual Studio Code 进行编译

1. 选择 verify 命令进行编译

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完成 ReButton 的 WiFi 设置

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- 2. 打开 PC 的 WiFi 选项,连接 AP AZB-xxxxxxxxxx, xxxxxxxxx 是 MAC 地址。
- 3. 打开浏览器,输入 http://192.168.0.1
- 4. 点击 WiFi



5. 输入要连接的 WiFi 账号与密码

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ReButton - Wi-Fi		
Wi-Fi SSID : Select WiFi SSID to connect Please refresh browser to re-scan SSID if your SSID is not in the list above	¢	
Wi-Fi Passphase : Specify passphrase for SSID		
3 Save Home Shutdown		

6. 按一下,蓝灯闪烁,证明连上了。