

IoT Experiments - build your own prototype!

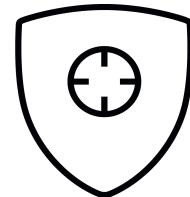
Adam Wałach



Step 3 - Communication



What do we need?



A pinch of security

```
WiFi.mode(WIFI_STA); //station mode,  
opposite of AP mode  
WiFi.begin("TPLINK", "pa$$w0rd");  
while (WiFi.status() != WL_CONNECTED) {  
    delay(250);  
    Serial.print(".");  
}  
Serial.println("READY");
```



<https://api.yaas.io/dshop/hello-iot/v1>

Hello IoT

Resources

API is behind a firewall [\(?\)](#)

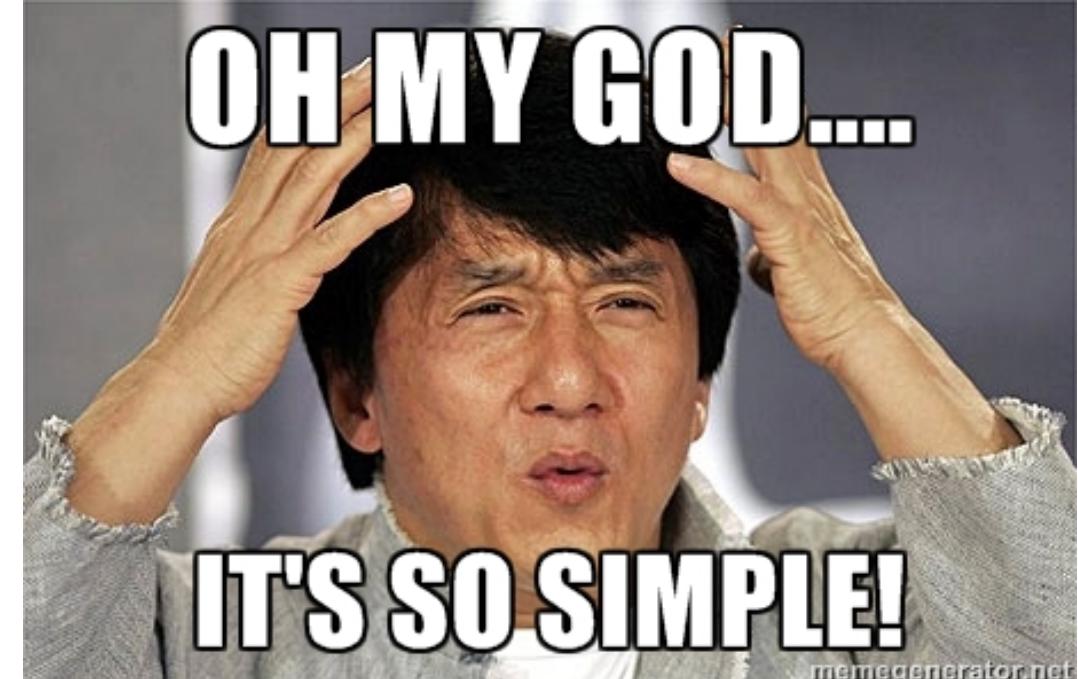
<p>/hello</p> <hr/> <p>/ranking</p> <hr/>	<p>GET</p> <p>POST ✓ GET</p>
---	---

HTTPS request

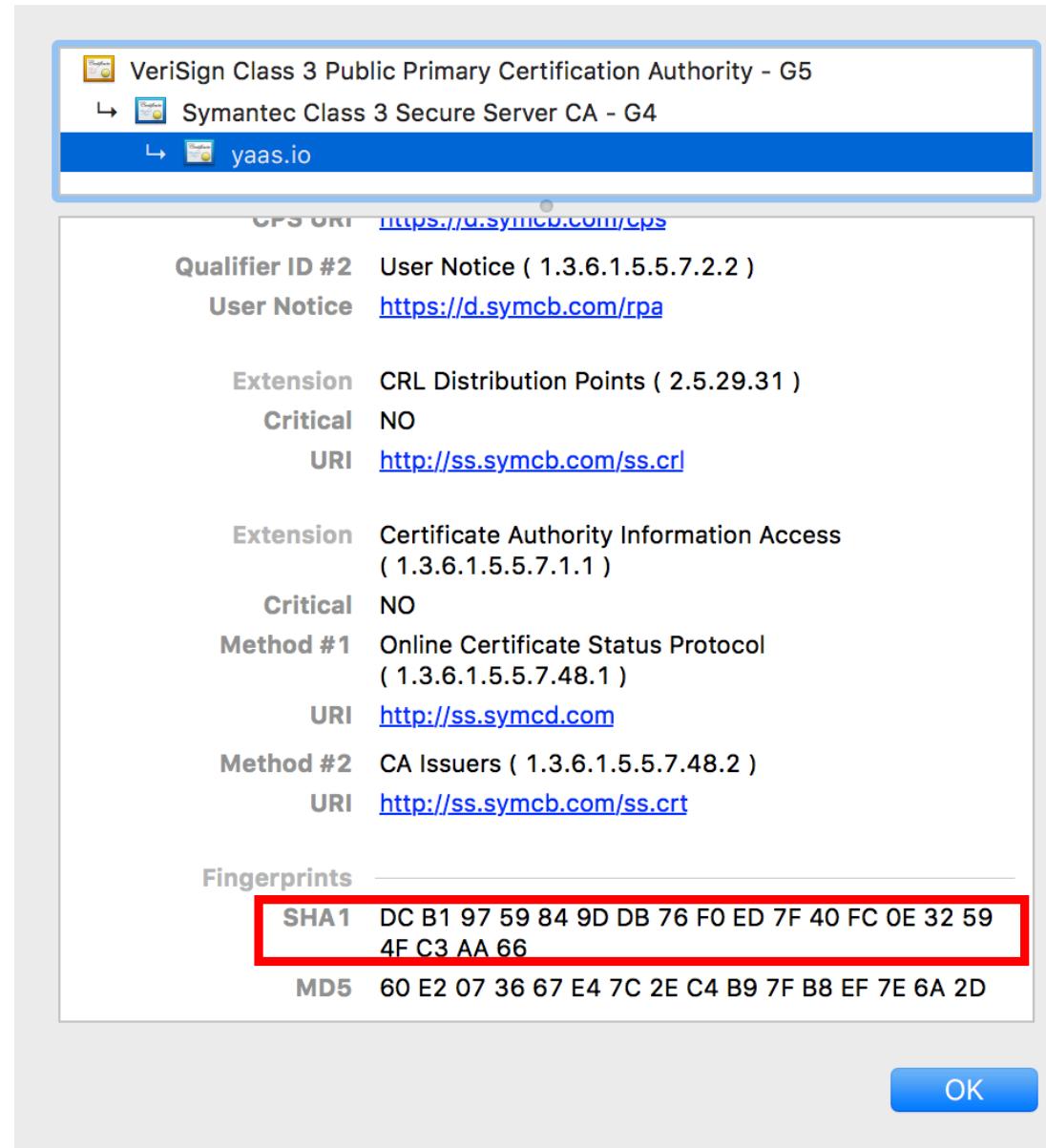


```
HTTPClient client;  
client.begin("https://api.yaas.io/dshop/hello-iot/v1/hello",  
"DC B1 97 59 84 9D DB 76 F0 ED 7F 40 FC 0E 32 59 4F C3 AA 66");
```

```
int httpCode = client.GET();  
Serial.println("Request sent");  
if (httpCode == 200) {  
    Serial.print("Response: ");  
    Serial.println(client.getString());  
}
```



What's the magic string?



Let's try

(v)
