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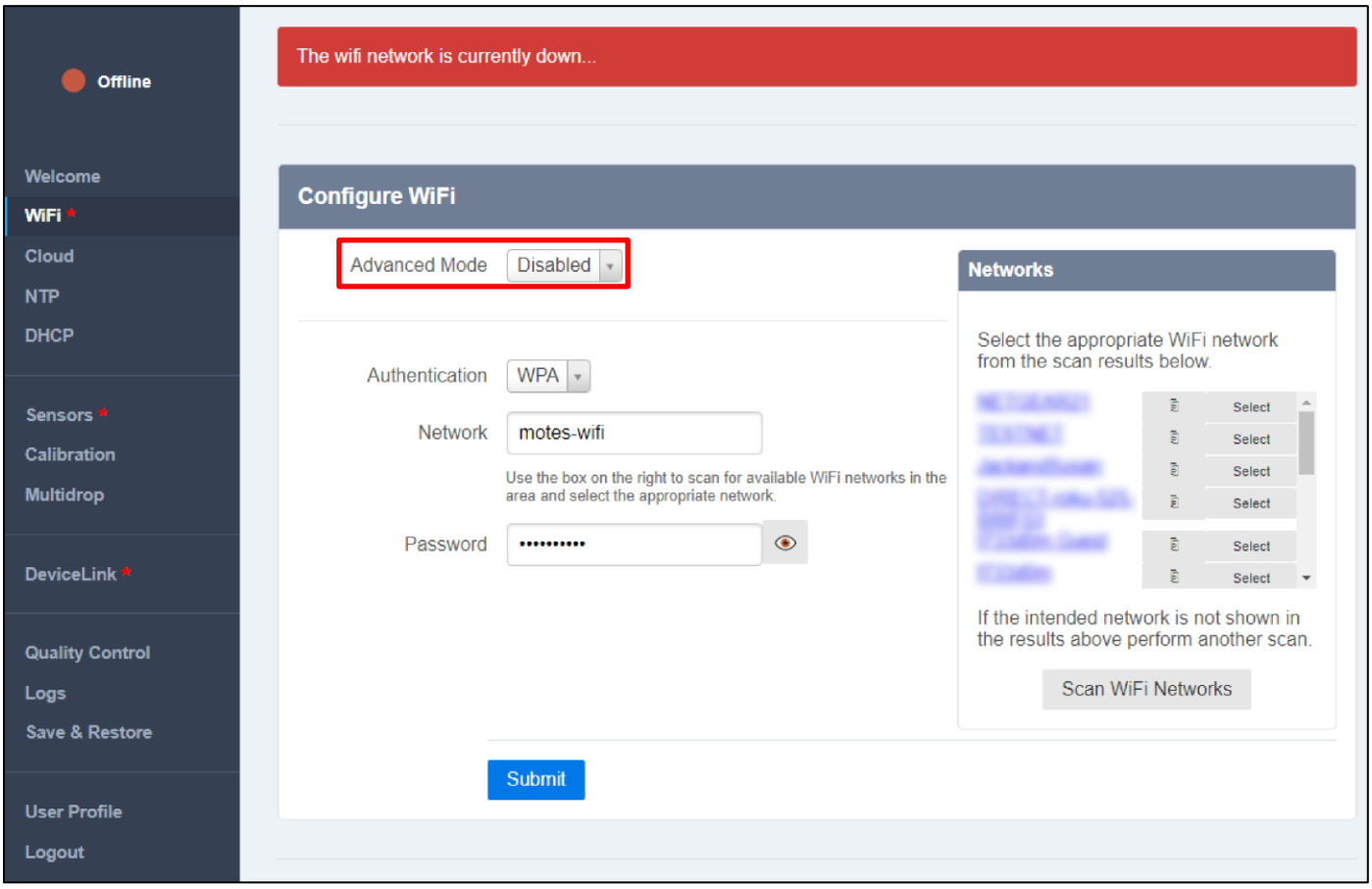
Thermo Scientific™ DeviceLink™ Connect Advanced Network Configuration Setup

Excerpt taken from DeviceLink Connect Configuration and Installation Instruction Guide

For more information regarding 802.1x, please reference official WPA Supplicant docs available at https://w1.fi/wpa_supplicant/

1. For networks that require 802.1x security authentication, set Advanced Mode to “Enabled” in the DeviceLink Connect Commissioner Application (Wi-Fi tab)

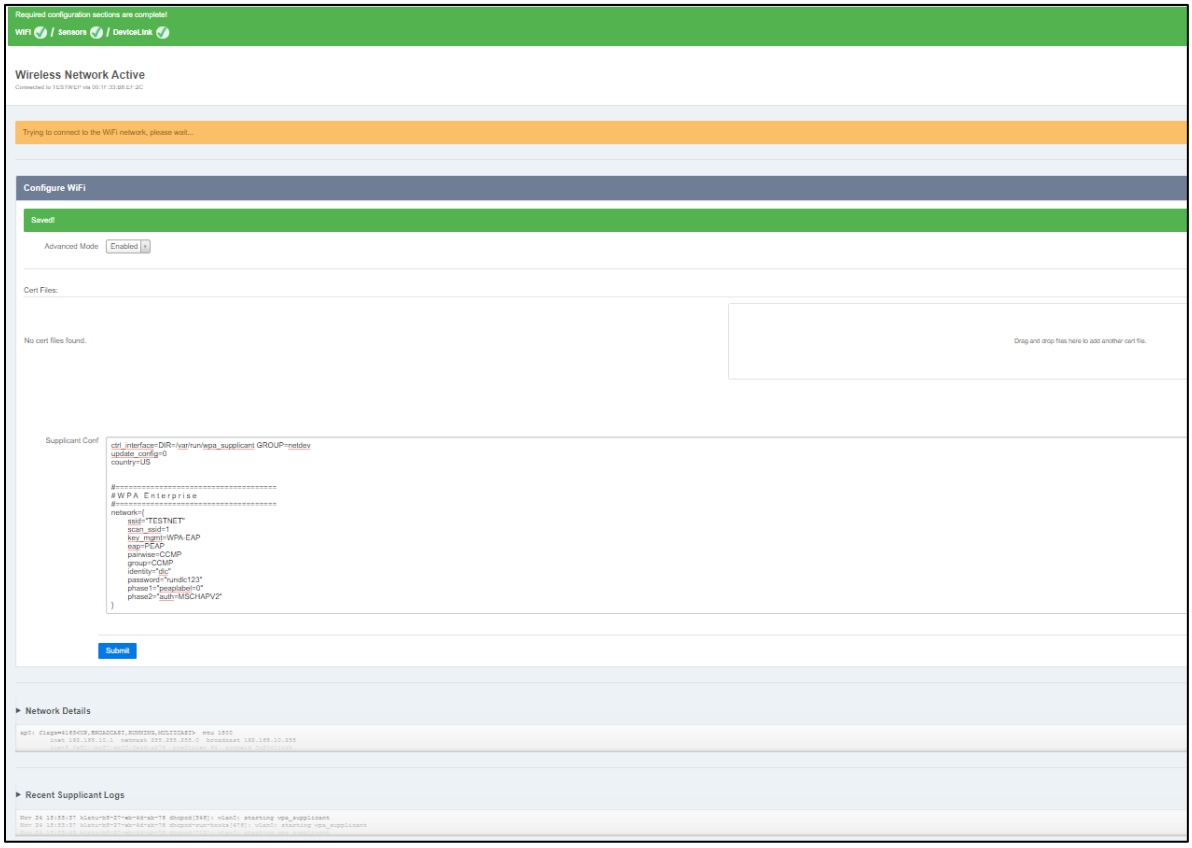


2. If the network requires 802.1x, then:
    - Certificates can be uploaded. Use the Drag/Drop box to add a certificate file.
    - The WPA Supplicant configuration can be edited in the “Supplicant Conf” box.

Example Enterprise Supplicant Script:

```
ctrl_interface=DIR=/var/run/wpa_supplicant GROUP=netdev
update_config=0
country=US

#=====================================
# W P A  E n t e r p r i s e
#=====================================
network={
    ssid="ENTER-SSID-HERE"
    scan_ssid=1
    key_mgmt=WPA-EAP
    eap=PEAP
    pairwise=CCMP
    group=CCMP
    identity="ENTER-USERNAME-HERE"
    password="ENTER-PASSWORD-HERE"
   phase1="peaplabel=0"
  phase2="auth=MSCHAPV2"
```



3. Supported WPA/IEEE 802.11i features:
    - WPA2-PSK
    - WPA with EAP (e.g., with RADIUS authentication server) (“WPA-Enterprise”)
    - Key management for CCMP and TKIP
    - WPA and full IEEE 802.11i/RSN/WPA2
    - RSN: PMKSA caching, pre-authentication
    - IEEE 802.11r
    - EEE 802.11w
    - Wi-Fi Protected Setup (WPS)

4. Supported EAP methods (IEEE 802 Supplicant):
    - EAP-TLS
    - EAP-PEAP/MSCHAPv2 (both PEAPv0 and PEAPv1)
    - EAP-PEAP/TLS (both PEAPv0 and PEAPv1)
    - EAP-PEAP/GTC (both PEAPv0 and PEAPv1)
    - EAP-PEAP/OTP (both PEAPv0 and PEAPv1)
    - EAP-PEAP/MD5-Challenge (both PEAPv0 and PEAPv1)
    - EAP-TTLS/EAP-MD5-Challenge
    - EAP-TTLS/EAP-GTC
    - EAP-TTLS/EAP-OTP
    - EAP-TTLS/EAP-MSCHAPv2
    - EAP-TTLS/EAP-TLS
    - EAP-TTLS/MSCHAPv2
    - EAP-TTLS/MSCHAP
    - EAP-TTLS/PAP
    - EAP-TTLS/CHAP
    - EAP-SIM
    - EAP-AKA
    - EAP-AKA'
    - EAP-PSK
    - EAP-FAST
    - EAP-PAX
    - EAP-SAKE
    - EAP-IKEv2
    - EAP-GPSK