



Dor Wi-Fi Deployment Requirements

May 14th, 2020

Wi-Fi

Security:

- **Supported:** WPA/WPA2 Authentication, broadcast and hidden SSIDs
- **Not Supported:** RADIUS, Captive Portals

Physical Layer:

- **Supported:** 2.4 GHz
- **Not supported:** 5 GHz

Network

- DHCP required

Outbound Connections:

- **Domain Whitelist:** *.getdor.com
 - F21: api-binary.getdor.com
 - F20: api.getdor.com
- **DNS Server Whitelist:** 208.67.222.222
 - *Dor servers do not have static public IP addresses and therefore must resolve the IP via DNS*
- TCP traffic initiated on ports 80 & 443
- TLS on port 443

Inbound Connection Info:

- All connectivity is initiated *from* the Dor Devices

Data usage:

- Average 4 MB per month per sensor

Debugging:

1. Are the Dor Sensors able to use DHCP on the network to get an IP address? This can likely be confirmed by your IT department in their network consoles.
2. Are the Dor Sensors able to use the specified DNS server 208.67.222.222 to resolve api.getdor.com and api-binary.getdor.com ? You can verify this by running a traceroute from a unix terminal to the aforementioned domains to

see if it's able to resolve an IP address to Dor Servers.

3. Are the Dor Sensors able to create an HTTP connection with the host? You can try the below `CURL` command to mascaeraed as an F20. You should get a response packet from the server.

```
curl -H "Content-Type: application/json" -X POST -d '{"e":[], "bv":6567, "fw":"2.2.0", "dt":"default", "wfw":"1.5.0.0", "n":"store", "sm":  
Example Response {"current_time":1567014744, "update_interval_s":3600, "should_send_logs":false, "store_wifi_ssid":null, "store_wifi_pa
```

Technical Contact:

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[F20 Example Wi-Fi Traffic](#)

[F21 Example Wi-Fi Traffic](#)