Teams Conversations with Dom Stuart:

[5/22/19 8:23 PM] Dominic Stuart (1000018855)

Hi, here is all the info I could find for farmbot:

FarmBot needs outbound access to ports 80 (HTTP), 443 (HTTPS), 1883 (MQTT), 8883 (MQTT over SSL). There are no exposed inbound ports.

It will need to reach the following sites via HTTPS: my.farmbot.io

farmbot-production.storage.googleapis.com - Cloud image storage

github.com - Where we store software updates

rollbar.io - Our bug management vendor (helps us find bugs in real world deployments)

It will also need access to mqtt.farmbot.io for message passing.

pool.ntp.org for network time protocol (UDP port 123)

If you do not provide a DNS server, FarmBot will use Google’s DNS servers (8.8.8.8).

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[5/23/19 2:42 PM] Dominic Stuart (1000018855)

MAC address is B8:27:EB:B4:13:3E

​[5/23/19 3:50 PM] Rob Broadley

Wireless key: bpdyHDPnBjWR Should connect to OP Secure

[10/10/19 1:21 PM] Dominic Stuart (1000018855)

farmbot connection stuff:

timed out

my.farmbot.io

my.farm.bot

TCP port 443 (HTTPS and WSS)

Heroku (amazon web services)

Heroku does not provide lists of IP ranges, but they should mirror Amazon's us-east-1 IP ranges. We do not have control over IP allocation, but the most up-to-date list can be found via the instructions outlined here:

https://docs.aws.amazon.com/general/latest/gr/aws-ip-ranges.html.

Our DNS server is herokudns.com

0.pool.ntp.org

1.pool.ntp.org

The servers are based in the United States. The services are provided on UDP port 123.

Obstructed NTP access is the most common source of FarmBot failures in an enterprise setting.

openfarm.cc

api.github.com

working but just in case

clever-octopus.rmq.cloudamqp.com

Web browsers require long-running access to this server on TCP port 443.

FarmBot devices require long-running access to this domain on TCP port 5672.

IMPORTANT NOTE: Connections to this server will be kept open for long periods of time via the WebSocket protocol.

This is critical to the smooth operation of the device. From the perspective of your security software, it will

appear as a long-running HTTPS connection. It is important that your security software does not prematurely close this socket.

Disallowing the use of WebSockets (or attempting to close sockets after a timeout) is the most common obstacle in an enterprise setting.

maxcdn.bootstrapcdn.com

raw.githubusercontent.com

fonts.googleapis.com

fonts.gstatic.com

device.nerveshub.org

[10/16/19 4:26 PM] Dominic Stuart (1000018855)

https://software.farm.bot/docs/for-it-security-professionals