

## Rob Broadley

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**From:** Rob Broadley  
**Sent:** Wednesday, 16 October 2019 4:42 pm  
**To:** Perrin McKenzie; Rob Broadley  
**Subject:** Conversation with Perrin McKenzie

**Rob Broadley 1:22 pm:**

Afternoon. We're having more connection issues with Farmbot. Are there any blocks from the secure wireless (OPMobile) to any of these sites: openfarm.cc, api.github.com, 0.pool.ntp.org, 1.pool.ntp.org, my.farmbot.io, my.farm.bot (TCP port 443 (HTTPS and WSS)) or Heroku (amazon web services)? We can't get any reliable connection to these sites from the robot unless tethered to a student mobile rather than the OP wireless

**Perrin McKenzie 1:23 pm:**

student mobile phone?

**Rob Broadley 1:24 pm:**

they tested using their own personal mobile and data plan

**Perrin McKenzie 1:24 pm:**

its just pulling data over https from external sites?

**Rob Broadley 1:25 pm:**

it should be. i can't see any reason why the sites wouldn't respond, unless maybe they're blacklisted

**Perrin McKenzie 1:26 pm:**

same blacklist is shared between all network segments

**Perrin McKenzie 1:26 pm:**

when was the last time they tried?

**Rob Broadley 1:26 pm:**

Last week. Thurs/Frida

**Rob Broadley 1:26 pm:**

Friday

**Perrin McKenzie 1:29 pm:**

only thing i can think of is if the external ip is being rate limited or similar

**Perrin McKenzie 1:30 pm:**

if they can access all the sites on eduroam as a student the farmbot op-mobile has the same level of access

**Rob Broadley 1:32 pm:**

OK. I'll get them to check the sites from eduroam. I'll also get them to check the network settings to make sure nothing odd has happened (eg a misconfigured DNS server...)

**Perrin McKenzie 1:34 pm:**

yeah as long as they aren't trying to do local client to client vlan 35 (what student eduroam and byod op-mobile land on) is the most open network segment in terms of internet facing services

**Rob Broadley 4:14 pm:**

Afternoon. Back working on Farmbot and maybe with something that needs to change. Apparently there's an error on the server saying that the message broker is not responding and to check firewall access for port 5672 (tcp). I don't recall asking for that to be opened, but can I get you to check if it is please.

**Perrin McKenzie 4:16 pm:**

if they are using the psk that port should be allowed by default

**Perrin McKenzie 4:17 pm:**

unless it is getting picked up as a blocked app, what ip are they trying to connect to via that port?

**Rob Broadley 4:27 pm:**

Finally found the message broker server details: clever-octopus.rmq.cloudamqp.com (hosted in AWS)

**Rob Broadley 4:35 pm:**

Also, apparently the Farmbot ntp servers (0.pool.ntp.org and 1.pool.ntp.org ) are deprecated and are accessed via port 123 which is a regular cause of issues for enterprises (according to their "for it security pro's" site)