

BB17 distribution Qakbot (Qbot) activity

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0 comment(s).

Introduction

Early morning Tuesday 2023-02-28, I generated an infection with a URL I [found on VirusTotal](#) after pivoting on a search for [BB17-tagged distribution URLs for Qakbot \(Qbot\)](#). Based on other public reports, I saw the expected Qakbot activity. Today's diary shares indicators from the infection.

Time	Dst	port	Host	Info
2023-02-28 01:11:48	64.151.228.124	80	columbiahhc.com	GET /UM.php?atu=2 HTTP/1.1
2023-02-28 01:11:49	64.151.228.124	80	columbiahhc.com	GET /UM.php?e=r1.zip HTTP/1.1
2023-02-28 01:13:29	95.101.247.59	443	learn.microsoft.com	Client Hello
2023-02-28 01:13:29	95.101.247.59	443	learn.microsoft.com	Client Hello
2023-02-28 01:13:40	67.207.84.43	80	67.207.84.43	GET /Gy0toZ0/2 HTTP/1.1
2023-02-28 01:19:01	54.68.22.26	443	broadcom.com	Client Hello
2023-02-28 01:19:02	104.18.32.150	443	www.broadcom.com	Client Hello
2023-02-28 01:34:56	80.47.61.240	2222		Client Hello
2023-02-28 01:35:01	80.47.61.240	2222		Client Hello
2023-02-28 01:36:02	80.47.61.240	2222		Client Hello
2023-02-28 01:36:02	80.47.61.240	2222		Client Hello
2023-02-28 01:37:04	209.131.162.45	443	verisign.com	Client Hello
2023-02-28 01:37:05	69.58.187.40	443	www.verisign.com	Client Hello
2023-02-28 01:37:07	80.47.61.240	2222		Client Hello
2023-02-28 01:40:12	209.131.162.45	443	verisign.com	Client Hello
2023-02-28 01:40:13	69.58.187.40	443	www.verisign.com	Client Hello
2023-02-28 01:40:14	80.47.61.240	2222		Client Hello
2023-02-28 01:43:25	68.87.41.40	443	xfinity.com	Client Hello
2023-02-28 01:43:26	23.198.96.39	443	www.xfinity.com	Client Hello
2023-02-28 01:43:29	68.87.41.40	443	xfinity.com	Client Hello
2023-02-28 01:43:30	23.198.96.39	443	www.xfinity.com	Client Hello
2023-02-28 01:43:31	138.1.33.162	443	oracle.com	Client Hello
2023-02-28 01:43:32	23.198.81.248	443	www.oracle.com	Client Hello
2023-02-28 01:43:33	80.47.61.240	2222		Client Hello
2023-02-28 01:46:33	142.250.178.14	443	google.com	Client Hello
2023-02-28 01:46:34	142.250.178.4	443	www.google.com	Client Hello
2023-02-28 01:46:35	80.47.61.240	2222		Client Hello

Shown above: Traffic from the infection filtered in Wireshark.

Indicators of Compromise (IOCs)

Files extracted from the pcap:

SHA256 hash: [5fb714dfc9206ab4d188bf3c0cb35c44fbf5246f863c1efd5fdaecaa0891bd7a](#)

File size: 385,552 bytes

File name: **clamouring.zip**

File location: `hxxp://columbiahhc[.]com/UM.php?atu=2`

File type: Zip archive data, at least v2.0 to extract, compression method=deflate

File description: password-protected zip archive containing malicious disk image

Password: **764**

SHA256

hash: [e62a7453020148080614f7bd81ae3c316b1655b60845606120a6d671c5aaac43](#)

File size: 798,720 bytes

File name: **clamouring.img**

File type: ISO 9660 CD-ROM filesystem data 'CD_ROM'

File description: Extracted from the above zip file, disk image with files for Qakbot infection

SHA256 hash: [442420af4fc55164f5390ec68847bba4ae81d74534727975f47b7dd9d6dbdbe7](#)

File size: 606,304 bytes

File location: `hxxp://67.207.84[.]43/Gy0toZ0/2`

File type: PE32 executable (DLL) (GUI) Intel 80386, for MS Windows

File description: Qakbot DLL returned from 67.207.84[.]43

Run method: **rundll32.exe** *[filename]*,**N115**

Traffic from link for password-protected zip archive:

64.151.228[.]124 port **80** - **columbiahhc[.]com** - GET /UM.php?atu=2

64.151.228[.]124 port **80** - **columbiahhc[.]com** - GET /UM.php?e=r1.zip

Traffic to retrieve the initial Qakbot DLL:

67.207.84[.]43 port **80** - **67.207.84[.]43** - GET /Gy0toZ0/2

Qakbot C2:

80.47.61[.]240 port **2222** - HTTPS traffic

185.80.53[.]210 port **443** - HTTPS traffic

port 443 - **www.openssl.org** - HTTPS traffic <-- legitimate domain used for connectivity check by Qakbot

23.111.114[.]52 port **65400** - TCP traffic

Connectivity checks to legitimate domains generated by Qakbot C2 traffic. This traffic is not malicious, but was generated by the infection:

port 443 - **broadcom.com**

port 443 - **cisco.com**

port 443 - **google.com**
port 443 - **linkedin.com**
port 443 - **irs.gov**
port 443 - **microsoft.com**
port 443 - **oracle.com**
port 443 - **verisign.com**
port 443 - **xfinity.com**
port 443 - **yahoo.com**

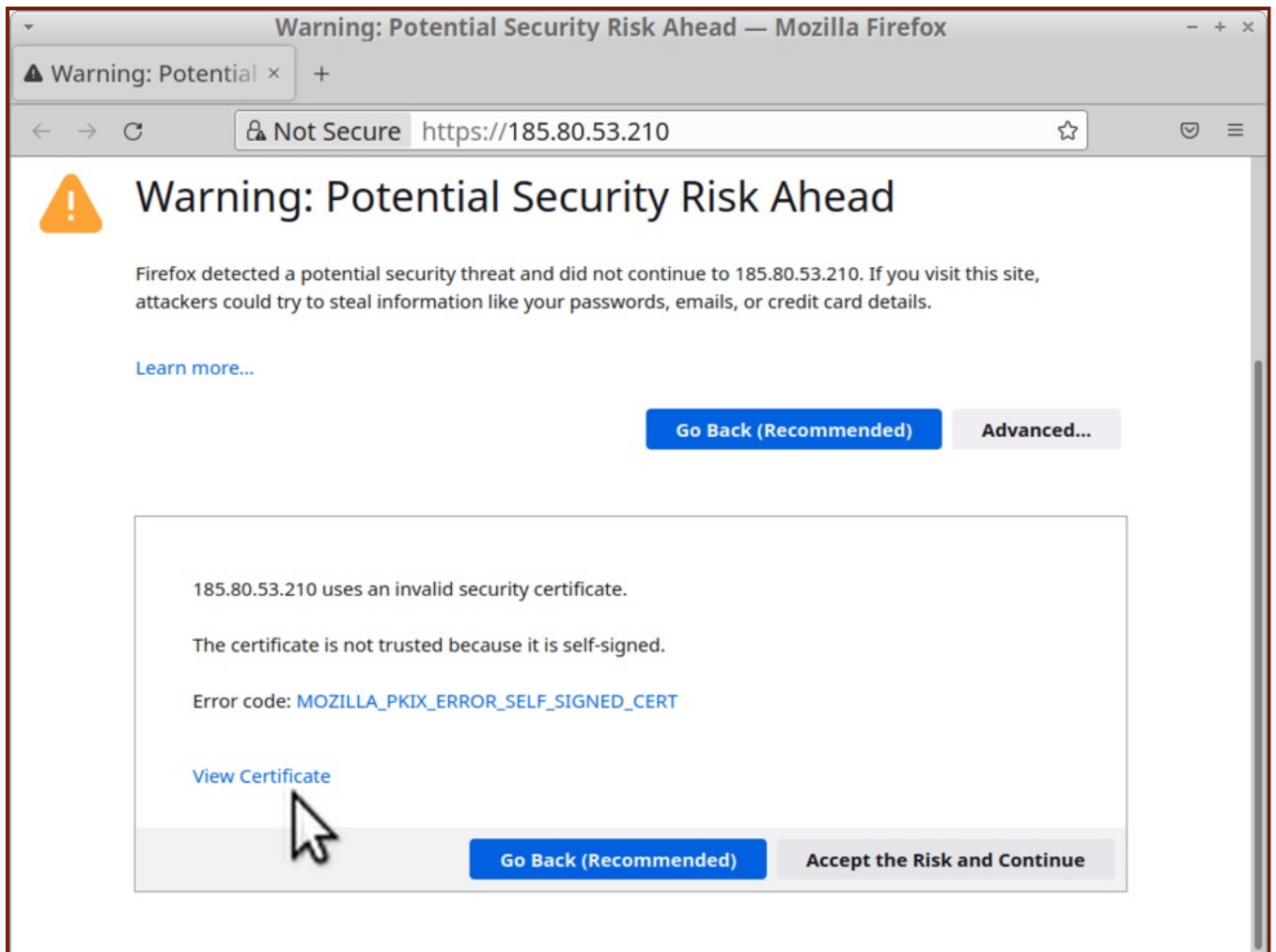
Self-signed certificate for Qakbot C2 at **80.47.61[.]240**:

id-at-countryName=**PT**
id-at-stateOrProvinceName=**NO**
id-at-localityName=**Utjxyj**
id-at-organizationName=**Qdf Wah Uotvzke LLC.**
id-at-commonName=**meieou.info**

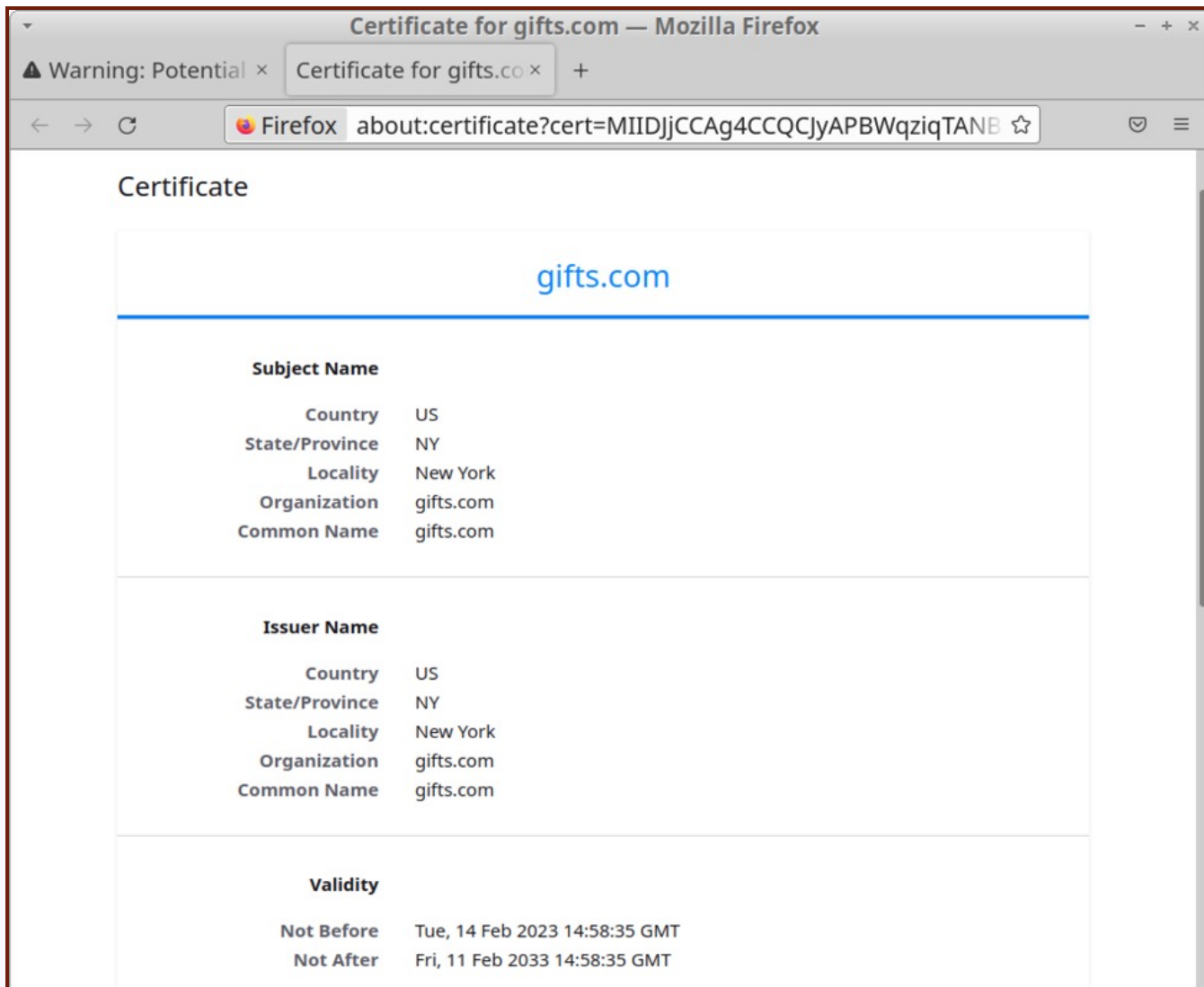
Self-signed certificate for Qakbot C2 at **185.80.53[.]210**:

id-at-countryName=**US**
id-at-stateOrProvinceName=**NY**
id-at-localityName=**New York**
id-at-organizationName=**gifts.com**
id-at-commonName=**gifts.com**

Note: The above is a self-signed certificate used by the Qakbot C2 server and is not associated with the actual **gifts.com** website.



Shown above: Qakbot C2 server at 185.80.53[.]210 shows security warning for self-signed certificate when viewed in a web browser.



Shown above: Self-signed certificate data for Qakbot C2 server at 185.80.53[.]210.

Final Words

Pcap from today's diary can be found [here](#).

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