14:18:32.192571 IP your.machine.52444 > dns.google.domain: 35084+ A? yummyrecipesforme.com. (24)

14:18:32.204388 IP dns.google.domain > your.machine.52444: 35084 1/0/0 A 203.0.113.22 (40)

14:18:36.786501 IP your.machine.36086 > yummyrecipesforme.com.http: Flags [S], seq 2873951608, win 65495, options [mss 65495,sackOK,TS val 3302576859 ecr 0,nop,wscale 7], length 0

14:18:36.786517 IP yummyrecipesforme.com.http > your.machine.36086: Flags [S.], seq 3984334959, ack 2873951609, win 65483, options [mss 65495,sackOK,TS val 3302576859 ecr 3302576859,nop,wscale 7], length 0

14:18:36.786529 IP your.machine.36086 > yummyrecipesforme.com.http: Flags [.], ack 1, win 512, options [nop,nop,TS val 3302576859 ecr 3302576859], length 0

14:18:36.786589 IP your.machine.36086 > yummyrecipesforme.com.http: Flags [P.], seq 1:74, ack 1, win 512, options [nop,nop,TS val 3302576859 ecr 3302576859], length 73: HTTP: GET / HTTP/1.1

14:18:36.786595 IP yummyrecipesforme.com.http > your.machine.36086: Flags [.], ack 74, win 512, options [nop,nop,TS val 3302576859 ecr 3302576859], length 0

…<a lot of traffic on the port 80>...

14:20:32.192571 IP your.machine.52444 > dns.google.domain: 21899+ A? greatrecipesforme.com. (24)

14:20:32.204388 IP dns.google.domain > your.machine.52444: 21899 1/0/0 A 192.0.2.17 (40)

14:25:29.576493 IP your.machine.56378 > greatrecipesforme.com.http: Flags [S], seq 1020702883, win 65495, options [mss 65495,sackOK,TS val 3302989649 ecr 0,nop,wscale 7], length 0

14:25:29.576510 IP greatrecipesforme.com.http > your.machine.56378: Flags [S.], seq 1993648018, ack 1020702884, win 65483, options [mss 65495,sackOK,TS val 3302989649 ecr 3302989649,nop,wscale 7], length 0

14:25:29.576524 IP your.machine.56378 > greatrecipesforme.com.http: Flags [.], ack 1, win 512, options [nop,nop,TS val 3302989649 ecr 3302989649], length 0

14:25:29.576590 IP your.machine.56378 > greatrecipesforme.com.http: Flags [P.], seq 1:74, ack 1, win 512, options [nop,nop,TS val 3302989649 ecr 3302989649], length 73: HTTP: GET / HTTP/1.1

14:25:29.576597 IP greatrecipesforme.com.http > your.machine.56378: Flags [.], ack 74, win 512, options [nop,nop,TS val 3302989649 ecr 3302989649], length 0

…<a lot of traffic on the port 80>...

Security incident report

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| **Section 1: Identify the network protocol involved in the incident** |
| The network protocol involved in the incident is the DNS and HTTP protocol |
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| **Section 2: Document the incident** |
| The incident occured on the yummyreceipesforme.com website. Where multiple customers emailed the website's helpdesk that the websitehad prompted them to download a file to access free receipes. The customers claimed the address of the website changed and their computers began running slowly.  The website's owner tries to log in to the admin panel but is unable to.  An investigation done by the security department involved usinf the tcpdump network protocol analyzer. It was discovered from the log files that after the browser initates a DNS request for the yummyreceipesforme.com websie, it requests a website's webpage using the HTTP request.  The browser then initiates the download of the malware. The browser initiates a DNS request again but respond with the IP address of greatreceipesforme.com instead and initiates another HTTP request to the IP address for greatreceipesforme.com |

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| **Section 3: Recommend one remediation for brute force attacks** |
| Since the website owner could not access the admin panel, it meant that the password could have been changed. One remediation for this brute force attack will be to use a stronger password. |