

Sprint 1

50

What is the name of device manufacturer? (one word)

 file.bin

Download the file and run strings on the file, we come across a bunch of references to Amazon.

```
amzn_ssid
amzn_pw
Bailing to app...
pwlen=%d
Unable to write wifi DCT (%d)
Couldn't read wifi config (%d)
Unable to allocate wifi DCT space
amzn_signature
amzn_challenge
amzn_answer
"amzn_networks" : [
{ "ssid" : "
", "bssid" : "
", "security" : "
", "rssi" : "-
amzn_devid
amzn_macid
amzn_nonce
amzn_error
$$!!$$
amzn_fwver
@#@#@#
<option>%s</option>
Storing Network SSID: %s (%d) BSSID: 0x%x Channel: %d
Unable to identify which network to connect to ...
text/html
/flash
/token
/fresh.png
```

Flag: Amazon

Sprint 2

100

What domain does this device contact to check for updates? (format: text.moretext.text)

Grep the strings for a .com (Common URL lookup) and we get the following results:

```
kali@kali:~/5ctf/re$ cat sprint/strings | grep ".com"
wl%d: Broadcom BCM%d 802.11 Wireless Controller %s
%s: Broadcom SDPCMD CDC driver
Transaction and logging complete...
incoming...
wait for config to complete
parker-gateway-na.amazon.com
[FFS] Volume erase complete
Looking up parker-gateway-na.amazon.com
```

Flag: parker-gateway-na.amazon.com

Sprint 3

100

What are the first twelve characters of the private key on this device?

At the beginning of the strings output we have an RSA Private key

```
-----BEGIN RSA PRIVATE KEY-----
MIIEogIBAAKCAQEAAwLLH71Yk1amwPIulWQ9x+k5xvKYIX+jAkvkY1KfmQm67lnY
q3T7UM29qQZ+22BAUtl03CZziPgG/UZOJZXwKLXVzfJxEhv7VzAEdzxtW8+xNHRi
SD31klTXm3SC8+ps+yTag+dqfuNyAPicvKRtHY/KntXbXu2D1Qtnk0EKtKJkRXkR
kzuH/IaoNLpavHAUHYMZCEL+Jc0f10m1nrWV4VvwxB6bMz4RBFY3zd90iOuYRwVx
eTF/75soKHX+CeFTnErGmbNyyvGscUBDADPg0SHSjZJF0reS/FUIpbXrH1ufIP/u
YnCIFI/WTds26EUv+Ohk3GUQnGTNVduX33sswIDAQABAoIBACXJrnMdHufN98JH
V0pZHu4HR4HHxEiZ6Hho8egPoT9uivqFH1iu/T/gt1lW7rSw8KvMtTodR/YJ08WZ
bWUtOwPyBJP2/3ifh+6WeamvbXndBU/VqhekHmxsukG+3JZa1rd/g0fZriXnDsll
9cV/L+3l7cKrB/Ja+8hgDhR4K5MzFFvpOdYsfwYl1Hj67+Y2basuLBbcS6wectuJ
1BGY4Zx2Euy09bvPcJa/92KwJvq0Z0ogtKk22UpL02q3KSCaieJWY5sJXkvTZUKW
7GSMfQjcyGgz7peuthXCqQ/sDMZCF3/BsBH3L+V9XifFTyWLD6SwoSnfU4kIX0cd
ihFJ0IECgYEA+q/JshIH2dTLNAZ1PZ07ISy+y/q9LNFKHCvz9TFG4FoXWbRoRQ2K
p7bbPu26CbW0M5AuBwCqrplGRm59h/NCdtgrADhb/8vn+zs9pUROYisrwx6S3wx0
4ERogfM5ojKkejz8EY62v4dNz/wK+1rtvVnBZXko9eDl7izfeiwsyECgYEAxM79
UevNxj9wyqB5xT3//4oDAzjkH8FnbDKIw+fGirV0LS6scwTistugFue5p+dj0qyP
zMS4A/Tm1l8v6aTL/La9Q3BEZJ+8fZCvpAADREoL03EkexBBK3AFsumnvb4AJNBj
VUiQbX5zUbJmxCLT/1tfJCdrLCMiBs0rbXPMB2MCgYA4mK9kUppLJ7GHiV22x2Su
HLGvVkwYR/mMt53IOTrietzqTNRQ7lmG/ZrwqgZwRgp/AcoNZJTU094v0FADD+Z
LTyoFBFRMuvw4HMOenlpeG2s454tFU5Je6hMjmkYoW5Y2qPeIuZXH3jF2BVyohjC
gx0Sl8QTnu7KUv8xSf/dgQKBgBDIqjFTSUAv5tmQ5/GXQP608V7T+jhvEPfcM2ep
m3f204qK4XAJqZ+hNTze1ClqhUvRJY5L9HL56Dm98mMVh8PsfawDrIF8UeHPdfsh
eSXYvq56DqdkEnq22fWREZoP2wlIsD/0qUR9NS5x+1QdRimPzERUDEK+WEeGNb7m
0i6LAoGANXnazFt+mH93XZGonDd1XEcdL5aS3GRvyTjv9XMu/9m7weaTkCMLUaDh
DnPFOa/tLZGpUu6+688//Blb1y+9ftR7BqG6Ebb0a8Xsx9seonXu3J6RkEga17WR
AGVZwRTOjpSXApyVE8o1wD/OKFqxG7OJR/zMTQ737bXlB2q8UU=
-----END RSA PRIVATE KEY-----
```

Flag: MIIEogIBAAKC