Cloud IP Addresses and FQDNs

Last updated: Jan. 23, 2024

Overview

The Falcon sensor on your hosts uses these FQDNs to communicate with the CrowdStrike cloud over the standard port (443) for everyday operation. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

US-1IPs

On December 8, 2023 more US-1 IP addresses were added that must be allowlisted. These are in addition to the other cloud IP addresses.

- 54.151.103.156
- 54.151.121.185
- 184.169.155.1
- 184.169.163.158

For more info, see

Tech Alert | Final Notice - Allowlist Cloud IP Addresses For Sensor Connectivity in 1 Day [/support/news/tech-alert-final-notice-allowlist-cloud-ip-addresses-for-sensor-connectivity-in-1-day]

Term servers

The Falcon sensor on your hosts uses these FQDNs to communicate with the CrowdStrike cloud over the standard port (443) for everyday operation. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

• Public DNS Name: ts01-b.cloudsink.net

- 13.56.127.239
- 13.56.225.158
- 13.57.54.63
- 13.57.64.97
- 13.57.84.142
- 50.18.194.39
- 52.8.5.240
- 52.8.19.75
- 52.8.27.14
- 52.8.32.113
- 52.8.45.162
- 52.8.52.230
- 52.8.54.244
- 52.8.61.206
- 52.8.134.130

- 52.8.160.82
- 52.8.172.89
- 52.8.173.58
- 52.8.212.212
- 52.8.216.81
- 52.9.7.10
- 52.9.77.209
- 52.9.82.94
- 52.9.87.98
- 52.9.104.148
- 52.9.146.225
- 52.9.212.176
- 52.52.117.52
- 52.52.119.33
- 52.52.149.168
- 52.52.239.58
- 52.53.77.89
- 54.67.6.201
- 54.67.26.184
- 54.67.33.233
- 54.67.47.58
- 54.67.48.56
- 54.67.54.116
- 54.67.68.88
- 54.67.92.206
- 54.67.96.255
- 54.67.99.247
- 54.67.105.202
- 54.67.119.89
- 54.67.123.150
- 54.67.123.234
- 54.67.125.81
- 54.177.119.54
- 54.177.202.146
- 54.183.24.162
- 54.183.24.211
- 54.183.34.154
- 54.183.39.68
- 54.183.51.31

- 54.183.51.69
- 54.183.52.221
- 54.183.105.3
- 54.183.122.156
- 54.183.140.32
- 54.183.142.105
- 54.183.148.43
- 54.183.148.116
- 54.183.232.230
- 54.183.234.42
- 54.183.252.86
- 54.193.27.226
- 54.193.29.47
- 54.193.33.135
- 54.193.52.110
- 54.193.67.98
- 54.193.87.57
- 54.193.90.171
- 54.193.93.19
- 54.193.117.199
- 54.215.96.32
- 54.215.131.232
- 54.215.154.80
- 54.215.169.38
- 54.215.169.199
- 54.215.169.220
- 54.215.176.108
- 54.215.177.122
- 54.215.183.157
- 54.215.226.55
- 54.219.112.243
- 54.219.115.12
- 54.219.137.54
- 54.219.138.168
- 54.219.140.50
- 54.219.141.250
- 54.219.145.181
- 54.219.147.253
- 54.219.148.161

- 54.219.149.89
- 54.219.149.92
- 54.219.151.1
- 54.219.151.27
- 54.219.153.248
- 54.219.158.53
- 54.219.159.84
- 54.219.161.141
- 54.241.48.136
- 54.241.138.180
- 54.241.142.171
- 54.241.146.67
- 54.241.148.127
- 54.241.149.173
- 54.241.150.134
- 54.241.161.60
- 54.241.162.64
- 54.241.162.180
- 54.241.164.212
- 54.241.175.52
- 54.241.175.140
- 54.241.175.161
- 54.241.179.52
- 54.241.181.242
- 54.241.184.161
- 54.241.185.201
- 54.241.186.124
- 54.241.197.58

LFO download

The Falcon sensor on your hosts uses these FQDNs to retrieve dynamic content, including updates to policy and configuration settings, from the CrowdStrike cloud. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

• Public DNS Name: lfodown01-b.cloudsink.net

- 13.56.121.58
- 50.18.198.237
- 52.8.141.1
- 54.67.4.108
- 54.67.5.136

- 54.67.17.131
- 54.67.24.156
- 54.67.41.192
- 54.67.51.32
- 54.67.72.218
- 54.67.78.134
- 54.67.108.17
- 54.67.114.188
- 54.67.122.238
- 54.183.120.141
- 54.183.135.80
- 54.183.215.154
- 54.193.86.245
- 54.215.170.42
- 54.219.179.25
- 54.241.161.242
- 54.241.181.78
- 54.241.182.78
- 54.241.183.151
- 54.241.183.229
- 54.241.183.232

LFO upload

• Public DNS Name: lfoup01-b.cloudsink.net

IPs:

- 54.151.103.156
- 54.151.121.185
- 184.169.155.1
- 184.169.163.158

Falcon console

- Public DNS Names:
 - https://falcon.crowdstrike.com
 - https://assets.falcon.crowdstrike.com
 - https://assets-public.falcon.crowdstrike.com

OAuth2-based API IPs

• Public DNS Name: https://api.crowdstrike.com

- 13.56.9.61
- 54.241.246.108

Event Streams API

• Public DNS Name: https://firehose.crowdstrike.com

IPs:

- 13.57.89.142
- 50.18.214.143
- 50.18.218.76
- 52.8.91.45
- 52.8.136.252
- 52.8.177.134
- 52.8.197.118
- 52.9.56.119
- 52.9.71.44
- 52.9.80.133
- 52.9.92.226
- 52.52.13.248
- 52.52.109.138
- 52.52.109.193
- 54.67.37.78
- 54.67.64.61
- 54.153.32.47
- 54.153.53.61
- 54.176.148.178
- 54.177.76.236
- 54.177.136.44
- 54.183.77.16
- 54.183.120.0
- 54.183.177.9
- 54.183.185.106
- 54.183.229.90
- 54.193.120.72
- 54.241.49.118

US-2 IPs

On December 8, 2023 more US-2 IP addresses were added that must be allowlisted. These are in addition to the other cloud IP addresses.

- 54.71.43.66
- 54.68.92.116

- 54.191.184.169
- 52.35.162.27
- 52.35.11.124
- 52.33.193.184
- 52.27.205.162
- 52.25.223.26
- 50.112.6.52
- 50.112.131.18
- 50.112.130.23
- 50.112.129.218
- 44.229.24.18
- 44.228.118.64
- 35.80.210.147
- 35.166.20.122
- 35.160.213.193
- 34.215.239.163
- 34.214.236.51
- 34.209.165.130
- 100.20.144.105

For more info, see

Tech Alert | Final Notice - Allowlist Cloud IP Addresses For Sensor Connectivity in 1 Day [/support/news/tech-alert-final-notice-allowlist-cloud-ip-addresses-for-sensor-connectivity-in-1-day]

Term servers

The Falcon sensor on your hosts uses these FQDNs to communicate with the CrowdStrike cloud over the standard port (443) for everyday operation. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

• Public DNS Name: ts01-gyr-maverick.cloudsink.net

- 35.162.224.228
- 35.162.239.174
- 50.112.129.218
- 50.112.130.23
- 50.112.131.18
- 52.25.223.26
- 52.33.193.184
- 52.35.11.124
- 52.35.162.27
- 54.68.92.116
- 54.71.43.66
- 100.20.76.137

LFO download

The Falcon sensor on your hosts uses these FQDNs to retrieve dynamic content, including updates to policy and configuration settings, from the CrowdStrike cloud. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

• Public DNS Name: lfodown01-gyr-maverick.cloudsink.net

IPs:

- 34.209.79.111
- 34.210.186.129
- 34.209.165.130
- 35.80.210.147
- 35.160.213.193
- 35.166.20.122
- 52.10.219.156
- 52.27.205.162
- 100.20.144.105

LFO upload

• Public DNS Name: lfoup01-gyr-maverick.cloudsink.net

IPs:

- 34.214.236.51
- 34.215.239.163
- 44.228.118.64
- 44.229.24.18
- 50.112.6.52
- 54.191.184.169

Falcon console

- Public DNS Names:
 - https://falcon.us-2.crowdstrike.com
 - https://assets.falcon.us-2.crowdstrike.com
 - https://assets-public.falcon.us-2.crowdstrike.com

IPs:

- 34.223.189.85
- 44.227.83.73
- 44.227.251.226

OAuth2-based API IPs

OAuth2-based APIs public DNS

For the US-2 cloud environment, IP addresses are assigned dynamically and are subject to change. If needed, allowlist this public DNS name:

https://api.us-2.crowdstrike.com

Event Streams API

• Public DNS Name: https://firehose.us-2.crowdstrike.com

IPs:

- 44.224.200.221
- 44.225.216.237
- 44.227.134.78

US-GOV-1 IPs

Term server

The Falcon sensor on your hosts uses these FQDNs to communicate with the CrowdStrike cloud over the standard port (443) for everyday operation. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

- Public DNS Name: ts01-laggar-gcw.cloudsink.net
- Elastic Load Balancer DNS Name: sensorproxy-laggar-g-524628337.us-gov-west-1.elb.amazonaws.com

- 52.61.0.222
- 52.61.2.52
- 52.61.9.57
- 52.61.9.149
- 52.61.9.241
- 52.61.11.166
- 52.61.11.242
- 52.61.12.47
- 52.61.14.159
- 52.61.17.222
- 52.61.20.24
- 52.61.22.116
- 52.61.23.238
- 52.61.27.7
- 52.61.28.59
- 52.61.29.159
- 52.61.30.118
- 52.61.32.177
- 52.61.33.0
- 52.61.34.34
- 52.61.34.40
- 52.61.35.7

- 52.61.35.122
- 52.61.36.126
- 52.61.39.242
- 52.61.41.144
- 52.61.42.7
- 52.61.43.119
- 52.61.43.207
- 52.61.44.118
- 52.61.45.67
- 52.61.45.69
- 52.61.46.138
- 52.61.48.55
- 52.61.48.85
- 52.61.49.225
- 52.61.50.148
- 52.61.50.149
- 52.61.56.64
- 52.61.57.53
- 52.61.60.160
- 52.61.63.172
- 52.61.63.233
- 52.61.64.8
- 52.61.66.117
- 52.61.67.36
- 52.61.72.80
- 52.61.72.154
- 52.61.73.17
- 52.61.75.52
- 52.61.77.105
- 52.61.77.158
- 52.61.79.49
- 52.61.80.233
- 52.61.83.154
- 52.61.84.183
- 52.61.91.2
- 52.61.91.144
- 52.61.93.50
- 52.61.94.17
- 52.61.96.38

- 52.222.5.73
- 52.222.9.132
- 52.222.26.218
- 52.222.32.109
- 52.222.46.55
- 52.222.50.175
- 52.222.57.109
- 52.222.74.53
- 52.222.75.2
- 52.222.88.238
- 52.222.93.101
- 52.222.108.82
- 52.222.112.47
- 52.222.116.143
- 52.222.118.71
- 52.222.118.98
- 96.127.54.242
- 96.127.56.206
- 96.127.111.33
- 96.127.63.238
- 96.127.78.183
- 96.127.79.217
- 96.127.84.6
- 96.127.84.121
- 96.127.87.84
- 96.127.93.126
- 96.127.94.143
- 96.127.99.184
- 96.127.106.86
- 96.127.108.32
- 96.127.111.252
- 96.127.114.88
- 2620:108:D00F::34de:6c52
- 2620:108:D00F::34de:702f
- 2620:108:D00F::34de:7647
- 2620:108:D00F::34de:206d
- 2620:108:D00F::34de:0549
- 2620:108:D00F::34de:5d65
- 2620:108:D00F::343d:0e9f

- 2620:108:D00F::343d:11de
- 2620:108:D00F::343d:0234
- 2620:108:D00F::343d:1674
- 2620:108:D00F::343d:17ee
- 2620:108:D00F::343d:1d9f
- 2620:108:D00F::343d:27f2
- 2620:108:D00F::343d:2a07
- 2620:108:D00F::343d:2c76
- 2620:108:D00F::343d:2d43
- 2620:108:D00F::343d:2e8a
- 2620:108:D00F::343d:3037
- 2620:108:D00F::343d:3840
- 2620:108:D00F::343d:3ca0
- 2620:108:D00F::343d:4324
- 2620:108:D00F::343d:4b34
- 2620:108:D00F::343d:54b7
- 2620:108:D00F::343d:0995
- 2620:108:D00F::343d:5b02
- 2620:108:D00F::343d:5e11
- 2620:108:D00F::607f:6c20
- 2620:108:D00F::607f:5754
- 2620:108:D00F::607f:5d7e
- 2620:108:D00F::607f:63b8
- 2620:108:d00f::343d:539a
- 2620:108:d00f::343d:4d9e
- 2620:108:d00f::343d:0939

LFO download

The Falcon sensor on your hosts uses these FQDNs to retrieve dynamic content, including updates to policy and configuration settings, from the CrowdStrike cloud. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

- Public DNS Name: lfodown01-laggar-gcw.cloudsink.net
- Elastic Load Balancer DNS Name: ELB-Laggar-P-LF0-D0WNL0AD-1265997121.us-gov-west-1.elb.amazonaws.com

- 3.32.47.58
- 3.32.107.22
- 3.32.128.100
- 3.32.159.13
- 3.32.181.91
- 3.32.197.87

- 15.200.3.172
- 15.200.46.143
- 15.200.91.227
- 15.200.136.15
- 15.200.146.204
- 15.200.169.255
- 15.200.206.3
- 15.200.211.137
- 15.200.217.77
- 15.200.220.52
- 15.200.227.212
- 15.200.248.80
- 15.200.248.238
- 52.61.12.4
- 52.61.15.206
- 52.61.22.52
- 52.61.25.208
- 52.61.45.223
- 52.61.56.86
- 52.61.67.79
- 52.61.75.201
- 52.61.77.149
- 52.61.82.75
- 52.61.83.60
- 52.61.83.139
- 52.61.233.44
- 52.222.5.255
- 52.222.42.221
- 52.222.47.146
- 52.222.48.202
- 52.222.76.145
- 52.222.79.100
- 52.222.96.101
- 52.222.109.240
- 96.127.67.59
- 96.127.84.208
- 96.127.109.48
- 96.127.113.82
- 96.127.115.126

- 160.1.50.240
- 2620:108:D00F::34de:6df0
- 2620:108:D00F::34de:2add
- 2620:108:D00F::34de:2f92
- 2620:108:D00F::34de:30ca
- 2620:108:D00F::34de:4c91
- 2620:108:D00F::34de:4f64
- 2620:108:D00F::343d:0c04
- 2620:108:D00F::343d:0fce
- 2620:108:D00F::343d:1634
- 2620:108:D00F::343d:19d0
- 2620:108:D00F::343d:3856
- 2620:108:D00F::343d:434f
- 2620:108:D00F::343d:4bc9
- 2620:108:D00F::343d:4d95
- 2620:108:D00F::343d:538b
- 2620:108:D00F::607f:7152
- 2620:108:D00F::607f:433b
- 2620:108:D00F::607f:54d0
- 2620:108:d00f::343d:524b
- 2620:108:d00f::34de:05ff
- 2620:108:d00f::34de:6065

Falcon console

- Public DNS Name: https://falcon.laggar.gcw.crowdstrike.com
- Elastic Load Balancer DNS Name: laggar-falconui01-g-245478519.us-gov-west-1.elb.amazonaws.com

- 52.61.14.45
- 52.61.29.125
- 52.61.46.226
- 52.61.49.230
- 52.61.54.66
- 52.61.57.16
- 52.61.66.9
- 52.61.66.97
- 52.61.68.8
- 52.61.68.44
- 52.61.77.66
- 52.61.86.16

- 52.61.90.103
- 52.61.93.127
- 52.61.96.202
- 52.222.14.13
- 52.222.20.118
- 52.222.46.86
- 96.127.39.199
- 96.127.58.128
- 2620:108:D00F::343d:0e2d
- 2620:108:D00F::343d:2ee2
- 2620:108:d00f::607f:3a80

OAuth2-based API IPs

OAuth2-based APIs public DNS

For the US-GOV-1 cloud environment, IP addresses are assigned dynamically and are subject to change. If needed, allowlist this public DNS name:

https://api.laggar.gcw.crowdstrike.com

Event Streams API

- Public DNS Name: https://firehose.laggar.gcw.crowdstrike.com
- $\bullet \quad \text{Elastic Load Balancer DNS Name: } falconhose-laggar 01-g-720386815. us-gov-west-1. elb. a mazonaws.com and the second of the second of$

- 52.61.2.4
- 52.61.7.132
- 52.61.13.204
- 52.61.25.210
- 52.61.55.125
- 52.61.57.211
- 52.61.60.100
- 52.61.87.201
- 52.61.89.212
- 52.61.93.190
- 52.61.95.243
- 52.222.14.131
- 52.222.59.20
- 52.222.97.81
- 52.222.108.7
- 96.127.77.234
- 96.127.89.44

- 96.127.98.128
- 96.127.108.36
- 96.127.111.3
- 2620:108:D00F::34de:0e83
- 2620:108:D00F::343d:39d3
- 2620:108:D00F::607f:6280

US-GOV-2 IPs

Term Servers

The Falcon sensor on your hosts uses these FQDNs to communicate with the CrowdStrike cloud over the standard port (443) for everyday operation. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

• Public DNS Name: ts01-us-gov-2.cloudsink.crowdstrike.mil

IPs:

- 139.40.151.40
- 139.40.151.78
- 139.40.151.108

LFO download

The Falcon sensor on your hosts uses these FQDNs to retrieve dynamic content, including updates to policy and configuration settings, from the CrowdStrike cloud. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

• Public DNS Name: lfodown01-us-gov-2.cloudsink.crowdstrike.mil

IPs:

- 139.40.151.46
- 139.40.151.91
- 139.40.151.101

Falcon console

• Public DNS Name: https://falcon.us-gov-2.crowdstrike.mil

IPs:

- 139.40.152.88
- 139.40.152.38
- 139.40.152.118

OAuth2-based API IPs

OAuth2-based APIs public DNS

For the US-GOV-2 cloud environment, IP addresses are assigned dynamically and are subject to change. If needed, allowlist this public DNS name:

https://api.us-gov-2.crowdstrike.mil

Event Streams API

• Public DNS Name: https://firehose.us-gov-2.crowdstrike.mil

IPs:

- 139.40.152.70
- 139.40.152.40
- 139.40.152.106

EU-1 IPs

On December 8, 2023 more EU-1 IP addresses were added that must be allowlisted. These are in addition to the other cloud IP addresses.

- 35.156.219.65
- 3.78.32.129
- 3.77.82.22
- 3.76.143.53
- 36918479
- 3.125.15.130
- 3.123.240.202
- 18.198.53.88
- 18.158.187.80

For more info, see

Tech Alert | Final Notice - Allowlist Cloud IP Addresses For Sensor Connectivity in 1 Day [/support/news/tech-alert-final-notice-allowlist-cloud-ip-addresses-for-sensor-connectivity-in-1-day]

Term servers

The Falcon sensor on your hosts uses these FQDNs to communicate with the CrowdStrike cloud over the standard port (443) for everyday operation. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

• Public DNS Name: ts01-lanner-lion.cloudsink.net

IPs:

- 3.121.6.180
- 3.121.187.176
- 3.121.238.86
- 3.125.15.130
- 18.158.187.80
- 18.198.53.88

LFO download

The Falcon sensor on your hosts uses these FQDNs to retrieve dynamic content, including updates to policy and configuration settings, from the CrowdStrike cloud. Add these FQDNs or IP addresses to your allowlists if your organization blocks these network communications.

• Public DNS Name: lfodown01-lanner-lion.cloudsink.net

IPs:

• 3.78.32.129

- 3.121.13.180
- 3.123.240.202
- 18.184.114.155
- 18.194.8.224
- 35.156.219.65

LFO upload

• Public DNS Name: lfoup01-lanner-lion.cloudsink.net

IPs:

- 3.69.184.79
- 3.76.143.53
- 3.77.82.22

Falcon console

- Public DNS Names:
 - https://falcon.eu-1.crowdstrike.com
 - https://assets.falcon.eu-1.crowdstrike.com
 - o https://assets.falcon.eu-1.crowdstrike.com

IPs:

- 3.121.13.180
- 18.184.114.155
- 18.194.8.224
- 18.197.35.253
- 3.122.135.178
- 18.194.222.197

OAuth2-based API IPs

OAuth2-based APIs public DNS

For the EU-1 cloud environment, IP addresses are assigned dynamically and are subject to change. If needed, allowlist this public DNS name:

https://api.eu-1.crowdstrike.com

Event Streams API

• Public DNS Name: https://firehose.eu-1.crowdstrike.com

- 3.121.28.37
- 18.196.94.202
- 52.29.26.172

Falcon Forensics

<u>Falcon Forensics [/documentation/page/b9f34543/falcon-forensics-for-windows]</u> requires internet access between hosts in your environment and appointed CrowdStrike upload servers. Each server corresponds to your target cloud environment (for example US-1, US-2, or EU-1).

Domains:

- ffc.us-1.crowdstrike.com (Windows)
 - o 52.52.60.244
 - o 54.193.196.61
- ffcng.us-1.crowdstrike.com (macOS, Linux)
 - o 54.219.198.50
 - o 54.219.239.208
- ffc.us-2.crowdstrike.com (Windows)
 - 0 44.241.254.47
 - o 54.69.20.169
 - o 54.188.85.187
- ffcng.us-2.crowdstrike.com (macOS, Linux)
 - o 44.230.17.220
 - 0 52.43.173.253
 - o 54.70.55.71
- ffc.laggar.gcw.crowdstrike.com (Windows)
 - 0 15.200.14.201
 - o 96.127.77.135
 - o 160.1.78.140
 - o 2600:1f12:94c:ca02:6c1:7a94:6790:6665
 - o 2600:1f12:94c:ca00:7e03:7a1a:40d4:f174
 - o 2600:1f12:94c:ca01:f5e1:2977:e9c8:660d
- ffcng.laggar.gcw.crowdstrike.com (macOS, Linux)
 - o 3.30.22.105
 - o 15.200.47.121
 - 0 15.205.71.244
 - o 2600:1f12:94c:ca01:f9a2:fab9:3a16:5b49
 - o 2600:1f12:94c:ca02:6e80:c441:827b:c350
 - o 2600:1f12:94c:ca00:cb14:c2aa:d3c9:129f
- ffc.us-gov-2.crowdstrike.com (Windows)
 - o 3.30.59.34
 - 0 3.30.72.251
 - 0 15.205.182.88
 - o 2600:1f12:40c:8a00:5a5a:21a2:7bce:220c
 - o 2600:1f12:40c:8a02:3405:c081:5a7b:c7b6
 - o 2600:1f12:40c:8a01:dbdf:f9e7:c9aa:30a6

- ffcng.us-gov-2.crowdstrike.com (macOS, Linux)
 - 0 3.32.103.212
 - 0 15.205.117.102
 - 0 15.205.245.124
 - o 2600:1f12:40c:8a00:f2e0:319d:14af:af9
 - o 2600:1f12:40c:8a01:1bc9:375:3e65:1411
 - o 2600:1f12:40c:8a02:392d:baec:284f:da34
- ffc.eu-1.crowdstrike.com (Windows)
 - 0 3.64.81.130
 - o 3.127.43.50
 - 0 18.193.144.218
- ffcng.eu-1.crowdstrike.com (macOS, Linux)
 - 0 3.69.129.49
 - 0 3.123.89.179
 - 0 3.126.96.195

Image assessment IP addresses

To scan images from an on-premises registry, such as Artifactory, or a registry in a private cloud, you must add these IP addresses to the allowlist:

•	CrowdStrike cloud	US-1	US-2	EU-1	US-GOV-1
	IP addresses	13.52.148.107 52.52.20.134	35.160.117.193 52.43.192.139 54.187.226.134	3.73.169.253 18.158.141.230 18.195.129.87	52.61.72.154 96.127.111.33 96.127.56.206

 $Sensor\ Update\ Policies\ > \ [/documentation/page/d2d629cf/sensor-update-policies]$