



# FIREEYE HEALTH CHECK TOOL

VERSION 2.0



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## OVERVIEW

FireEye Health Check Tool is a standalone agent that allows customers to collect health-related information from their cloud and on-premises FireEye appliances. The agent will run configuration and metric collections against FireEye appliances and provide an automated report detailing the health findings of the appliances based on predefined conditions of Hardware, System, Configuration, Detection and Best Practices health. The intent is to provide the status of the assessed systems and self-help recommendations for any issues identified by the FireEye Health Check Tool.

## SUPPORTED PLATFORMS

The Health Check Agent is supported to be executed from Windows, Mac OSX and Linux CentOS 7 and Ubuntu 16.4.

Supported FireEye platforms to perform Health Check against includes the following:

Helix – Cloud Threat Analytics

Endpoint Security – HX, HX DMZ

Network Security – NX, VX

Email Security – EX

Management – CMS

Content – FX

Analysis - AX

## EXECUTABLE CHECKSUMS

### MAC OS

**Size:** 12.0 MB

**Date:** Thu Jan 31 16:40:02 2019

**MD5:** 47967cd9350731fbae30e7c21a26b851

**SHA1:** 37820d0b1e36af9920d5b3e6c146d211938d7859

### Linux

**Size:** 22.0 MB

**Date:** Thu Jan 31 16:33:01 2019

**MD5:** c4d0db515a3645d1a664d606ac1da38e

**SHA1:** 8d313234212fa8ce404268c7bea7309e02c45b9e

### Windows

**Size:** 19.0 MB

**Date:** Thu Jan 31 16:19:19 2019

**MD5:** 55db296c9a58cae123d8e3ddec2987b2

**SHA1:** 912cf7e269b65f95faf49b5a1f25578900507b77

## USAGE

```
c:\FEHCA>fe_hca.exe -h
default
```

```

          /+/////////+.
          -s`+''''o-:o
,.....:s-y....+/s.....,
y:--o+-----:-----+o--:y
y` +/      `./+ossss+:`      /+ `y
y` +/      `:syyys+++yyyy+.    /+ `y
y` +/      `oyyyyy#####yyyyyy:  /+ `y
y` +/      `oyyoooo#####oooooyy. /+ `y
y` +/      `yyy#####ooy/      /+ `y
y` +/      `yyy#####ooy:      /+ `y
y` +/      `:yYyYyY#####yYyYyYo` /+ `y
y` +/      `-syYyYy#####yYyYyY+` /+ `y
y` +/      `:oyYyYyYyYys/.      /+ `y
y` +/      `.-:::-.`          /+ `y
s+//so//////////os//+s
```

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```
usage: fe_hca.exe [-h] [-e] [-c CONFIG] [-m MODE] [-s] [-T TIMEOUT] [-S]
[-u USERNAME] [-t TARGET] [-f FILE] [-hi HELIXINSTANCE]
[-hk HELIXKEY]
```

### optional arguments:

```
-h, --help          show this help message and exit
-e, --encrypt       Encrypt a password for use in storing in config files.
                   Prompts for password interactively.
-c CONFIG, --config CONFIG
                   Configuration file containing hosts. Used for
                   conducting single runs against multiple hosts that
                   have different passwords. Experimental.
-m MODE, --mode MODE
                   Operation mode. Supported options are appliance
                   (default), helix & fso. Note: Appliance mode is used
                   for both physical and virtual appliances.
-s, --sslcheckoverride
                   Override the SSL check if an SSL Intercept solution is
                   in use and having SSL certificate verification to
                   fail. Note: Only use this if you are certain on why
                   certificate checks are failing
-T TIMEOUT, --timeout TIMEOUT
                   Connection timeout in seconds. Default is 5.
-S, --statistics    Display execution statistics.
-u USERNAME, --username USERNAME
                   Username to use for target appliance. Admin level user
                   required. If not provided, you will be prompted.
-t TARGET, --target TARGET
                   IP or hostname of target appliance. If not provided
                   and --file not specified, you will be prompted.
-f FILE, --file FILE
                   File to read target hostnames or IPs from. One
                   hostname specified per line.
-hi HELIXINSTANCE, --helixinstance HELIXINSTANCE
                   Helix instance identifier. Only used with --mode
                   helix. If not provided, you will be prompted.
-hk HELIXKEY, --helixkey HELIXKEY
                   Helix API key. Only used with --mode helix. If not
                   provided, you will be prompted.
```

---

## HELP

When FE\_HCA is executed without any arguments, or `-h` or `--help` is specified, the default usage is displayed

---

## TARGET

Target hosts for data collection can be specified directly. A single host can be provided, or optionally, multiple hosts separated by a comma, e.g.; `192.168.1.150,10.1.1.39`

---

## USERNAME

Username for the appliance. This should be a user with admin credentials on the appliance to facilitate complete configuration collection. Collection from the use of a non-admin account is not supported.

---

## FILE

A file that contains a list of target hosts to be assessed, each specified on its own line, can be provided. This is useful for large deployments.

---

## ENCRYPT

Encrypt password / API key to be saved in a configuration file. Only encrypted passwords are supported in configuration files. Encrypted passwords can only be used on the same host that the tool is being run from. If the configuration file and moved to another system and used with a configuration file, the passwords / API keys need to be reencrypted.

---

## CONFIGURATION FILE

An encrypted file that contains a list of target hosts with accompanying authentication credentials that can be stored for reuse. This can be used to run against Helix and on premises appliances in a single execution. This option may also assist with conducting a single execution against multiple hosts that have different accounts and passwords. This is useful for large deployments. Example config:

```
[appliance_set_1]
mode:appliance
username:account1
password:<encrypted password generated with '-e'>
```

```
target: 10.11.3.8,172.168.2.155,192.168.1.98,axhost.localdomain
```

```
[appliance_set_2]  
mode:appliance  
username:account2  
password:<encrypted password generated with '-e'>  
target:10.11.1.5,172.168.1.150,192.168.1.96,hxprimary.otherdomain
```

```
[helix_set_1]  
mode:helix  
helixkey:<encrypted api key generated with '-e'>  
helixinstance:hexabc123
```

---

## STATISTICS

Provides statistics on the execution of the agent.

---

## REPORTS

Report generation. This flag should be used on execution to enable the report generation feature of this tool. Report generation is automated when this option is enabled.

---

## TIMEOUT

Enables a custom timeout window in seconds. Typically used to accommodate connections with latency. Default timeout window is five seconds.

---

## MODE

Operation mode. Supported options are appliance (default), HELIX & FSO. Note: Appliance mode is used for both physical and virtual appliances. Only one Mode can be executed at a time. Ex. Helix mode must be run separately from FSO mode, and Appliance mode must be run separately. This option can be avoided using the [Configuration File](#) option described above.

---

## HELIX INSTANCE

Specifies the customer Helix instance ID to query for reporting pull.

---

## HELIX KEY

Provides the parameter to enter in the API key required to query the Helix API when running the Helix mode reporting.

---

## SSL CHECK OVERRIDE

Override the SSL check if an SSL Intercept solution is in use and having SSL certificate verification to fail. Note: Only use this if you are certain on why certificate checks are failing.



## EXECUTION

### EXAMPLE

A typical execution of this agent for reporting on appliance health should resemble the following output. Device addresses and credentials will vary:

```
C:\>fe_hca.exe -r -f Appliances.txt -u user.name@company.com
```

```
          /+////////++.  
          -s`+''''o-:o  
.....:s-y.....++/s.....  
y:--+-----+o--:y  
y` +/      `./+ossssot:`      /+ `y  
y` +/      `:syyys+++yyyy+.    /+ `y  
y` +/      `oyyyyy/      `yyyyy:  /+ `y  
y` +/      oyyoooo:      `ooooyyy. /+ `y  
y` +/      `yyy.          oyy/     /+ `y  
y` +/      `yy:---`      ---oyy:  /+ `y  
y` +/      :yyyyy/      `yyyyyyo`  /+ `y  
y` +/      -syyy+...-yyy+`        /+ `y  
y` +/      `:oyyyyyyyys/.        /+ `y  
y` +/      `.-::-.`              /+ `y  
s+//so////////////////////////////////////os//+s
```

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-----  
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Have you read and agree to all the terms? (Yes/No): yes

Okta User: user.name@company.com

Okta Password:

Appliance(s) Password:

>>> Gathering Configurations

```

Hosts :
100%|#####| 38/38
[01:10<00:00, 1.66hosts/s]
[ 192.168.1.250 ][ Completed. ]:
100%|#####|
112/112 [00:55<00:00, 3.33cmd/s]
[ 10.1.1.120 ][ Completed. ]:
100%|#####|
112/112 [00:53<00:00, 2.57cmd/s]
[ hexabc123-hxprim.helix.apps.fireeye.com ][ Completed. ]:
100%|#####|
112/112 [00:53<00:00, 2.40cmd/s]
[ hexabc123-hxdmz.helix.apps.fireeye.com ][ Completed. ]:
100%|#####|
112/112 [00:53<00:00, 2.33cmd/s]

>>> Processing Configurations
Configs : 100%|#####| 35/35 [00:01<00:00, 19.21files/s]
>>> Generating Reports
Reports : 100%|#####| 33/33 [00:08<00:00, 4.09files/s]
reports\192.168.1.250_141218T103332.docx
reports\10.1.1.120_141218T103332.docx
reports\hexabc123-hxprim.helix.apps.fireeye.com_141218T103332.docx
reports\hexabc123-hxdmz.helix.apps.fireeye.com_141218T103332.docx

```

## BEHAVIORS

### USERNAMES AND PASSWORDS

In the event that `--username` or `--password` is not specified on the command line, the tool will prompt for those at execution time.

### TARGETS AND FILES

In the event that neither `--target` nor `--file` is specified, the tool starts in an interactive mode where target hosts can be specified.

### REPORTS

Reports are generated automatically and output customized based on the appliance that was detected at run time. Reports can be found in the `reports` folder in the same location where the tool is located.

## ISSUES AND TROUBLESHOOTING

### KNOWN ISSUES

- None

### SUPPORT

This tool is not supported by FireEye Technical Support; however, bugs can reported to FireEye Technical Support.

Phone:

1-877-FIREEYE

Email:

[Support@fireeye.com](mailto:Support@fireeye.com)

Web:

<https://www.fireeye.com/support/contacts.html>

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