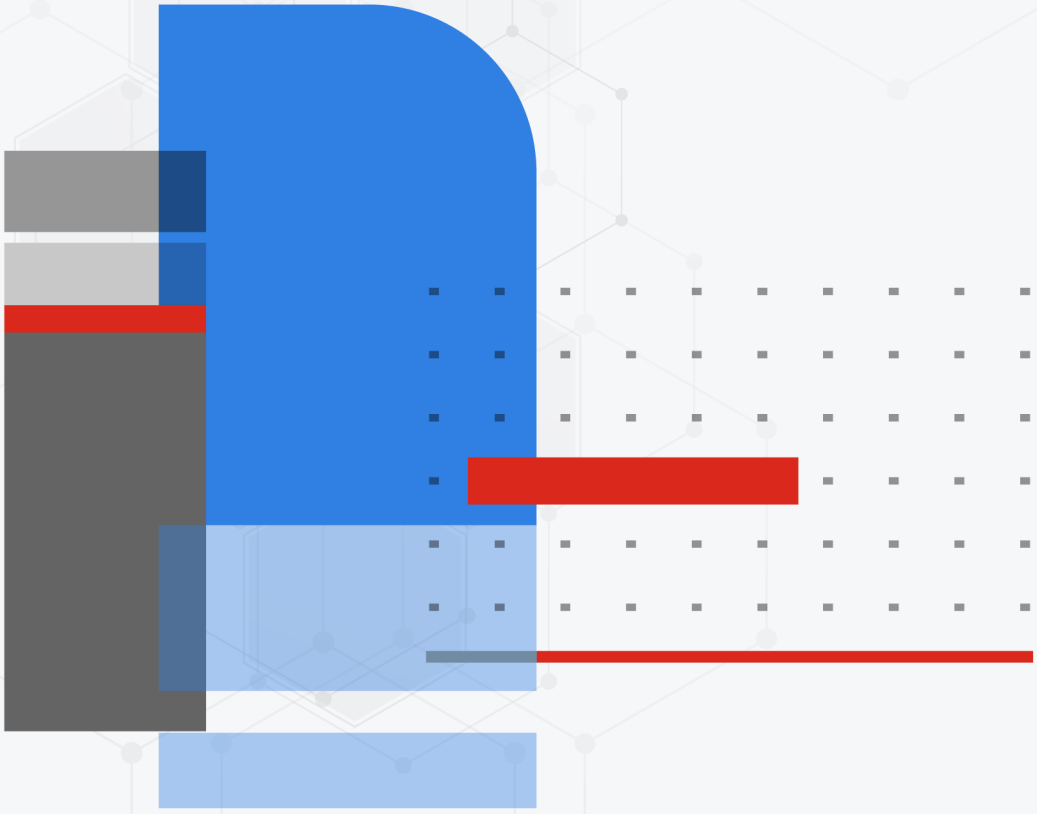
CLI Reference

FortiClient EMS 7.4.6



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FortiClient EMS 7.4.6 CLI Reference
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Change log

Date	Change description
2026-03-19	Initial document release.

Introduction

This document describes FortiClient EMS 7.4.6 CLI commands used to configure and manage EMS from the command line interface (CLI). To view a list of new or changed commands in 7.4.6, see What's new on page 13.

Available commands differ depending on whether you are running your EMS on a virtual appliance or on a non-virtual appliance installation. This document provides the commands for both scenarios:

- Commands for EMS non-virtual appliance template installation on page 17
- Commands for EMS virtual appliance template installation on page 95

What's new

This section identifies new commands and commands with new options in FortiClient EMS 7.4.5 and later.

For more information about new features in 7.4.6, please see the FortiClient 7.4 New Features Guide.

7.4.6

Category	New commands	Commands with new options	Removed commands
Configuration	• `config get ec` (VM/non-VM) • `config get fds` (VM/non-VM) • `config get fos` (VM/non-VM) • `config get upload` (VM/non-VM) • `config set ec` (VM/non-VM) • `config set fds` (VM/non-VM) • `config set fos` (VM/non-VM) • `config set upload` (VM/non-VM) • `config unset console` (VM/non-VM)	• `config get console` (VM/non-VM) • `config set console` (VM/non-VM)	• `config get ka` (VM/non-VM) • `config set ka` (VM/non-VM)
Debug filters	• `debug-filters add` (VM/non-VM) • `debug-filters clear` (VM/non-VM) • `debug-filters list` (VM/non-VM) • `debug-filters remove` (VM/non-VM)		
Execute		• `execute ls` (VM/non-VM)	
FDS	• `fds fctinstallers` (VM/non-VM)		
Feature	• `feature get` (VM/non-VM) • `feature set` (VM/non-VM)		
Service		• `service disable-debug` (VM/non-VM) • `service enable-debug`	

Category	New commands	Commands with new options	Removed commands
		(VM/non-VM) • service get (VM/non-VM) • service log (VM/non-VM) • service restart (VM/non-VM) • service start (VM/non-VM) • service stop (VM/non-VM)	
System	• system set proxy (VM/non-VM) • system unset proxy (VM/non-VM)		

7.4.5

Category	New commands	Commands with new options
Configuration	• config get installer (VM/non-VM) • config get ka (VM/non-VM) • config get perfmon (VM/non-VM) • config get snmp (VM/non-VM) • config set installer (VM/non-VM) • config set ka (VM/non-VM) • config set perfmon (VM/non-VM) • config set snmp (VM/non-VM)	• config get db (VM/non-VM) • config get events (VM/non-VM) • config set db (VM/non-VM) • config set events (VM/non-VM) • config unset db (VM/non-VM) • config unset events (VM/non-VM)
Container	• container get override (VM/non-VM) • container get (VM/non-VM) • container set override (VM/non-VM) • container set (VM/non-VM)	
Execute	• execute clear logs system (VM/non-VM) • execute clear redis (VM/non-VM) • execute dbop-poll-status (VM/non-VM) • execute delete-site (VM/non-VM) • execute import-cert (VM) • execute key-conf (VM) • execute list-certs (VM) • execute list-users (VM/non-VM)	• execute backup (VM/non-VM) • execute diagnostic (VM/non-VM) • execute enable-migration (VM/non-VM) • execute restore (VM/non-VM) • execute upgrade package (VM)

Category	New commands	Commands with new options
	• `execute passwd` (VM/non-VM) • `execute pcap` (VM/non-VM) • `execute remove-cert` (VM) • `execute traceroute` (VM/non-VM) • `execute useradd` (VM) • `execute userdel` (VM) • `execute usermod` (VM)	
HA	• `ha add` (VM) • `ha add node` (VM) • `ha join` (VM) • `ha leave` (VM) • `ha set` (VM/non-VM) • `ha set alias` (VM/non-VM) • `ha standby` (VM)	
Redirect		• `redirect` (VM/non-VM)

Connecting to the CLI

You can connect to the CLI using the Linux command line terminal or SSH.

Non-virtual appliance EMS installation

For a typical, non-virtual appliance EMS installation, from the machine where EMS is installed, open the Linux command line terminal and do one of the following. See Commands for EMS non-virtual appliance template installation on page 17 for the available commands:

- Enter an `emscli` command directly as follows:

  ```
  sudo emscli system get info
  ```

  

  When using this method, call `emscli` as `sudo` as in the example `sudo emscli system get info`. Some commands that change the status of the host or the EMS installation do not work properly if `emscli` is not called as `sudo`.

- Enter the EMS CLI by entering the following:

  ```
  sudo emscli
  ```

  An `emscli` session starts and prompts `$>`. You can then enter a command without including `emscli`. For example, to use emscli system get info on page 87, you can enter `system get info` instead of `emscli system get info`.

Terminate the session by editing on the `emscli` prompt `exit`. This returns you to the Linux terminal.

Virtual appliance EMS installation

For a virtual appliance installation, accessing EMS via SSH logs you directly into the command line interface where you can proceed to use the commands as documented in Commands for EMS virtual appliance template installation on page 95. Deploying EMS as a virtual appliance image enables SSH access via port 22 by default. See Deploying EMS as a virtual appliance image. You can also use SSH to remotely call the commands.

Terminate the SSH session by editing on the `emscli` prompt `exit`. This logs you out from the host.

Commands for EMS non-virtual appliance template installation

The following sections describe commands that are available if your EMS is running on a "typical", non-virtual appliance installation.

emscli

EMS CLI - a tool for viewing and updating information about EMS

Synopsis

EMS CLI, short for 'command line interface', is a convenient tool for viewing and updating information about EMS.

```
emscli [flags]
```

Options

```
  -h, --help   help for emscli
```

See also

- emscli cache - for querying the contents of the DAS cache
- emscli config - for querying and updating EMS config files
- emscli container - execut commands for containerized EMS
- emscli db - attempts to connect to the EMS DB using psql
- emscli diag - for troubleshooting issues with particular endpoints
- emscli execute - for executing commands on the host
- emscli fds - for managing FDS (FortiGuard Distribution Servers) services
- emscli ha - for checking and managing EMS High Availability parameters
- emscli redirect - redirects an EMS instance to access a remote EMS DB instead of the local DB
- emscli service - for querying and managing the statuses and log levels of EMS services
- emscli system - for querying and updating system parameters on the machine where EMS is installed

emscli cache

for querying the contents of the DAS cache

Options

```
  -h, --help   help for cache
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- emscli cache get - retrieves data from the DAS cache

emscli cache get

retrieves data from the DAS cache

Synopsis

`cache get` returns data from the DAS cache matching the provided model and ID (using the specified DB). If no DB is specified, FCM_default is used. The `--model` and `--id` flags are mandatory and must be specified by the user.

```
emscli cache get [flags]
```

Options

```
      --db string      The name of the DB to connect to. Must be prefixed with fcm_ for vdom dbs
      --format         Prints the response json in pretty format
  -h, --help           help for get
      --id string      The ID of the object to retrieve from the DAS cache
      --model string   The name of the DAS model (generic, fct, users, devices) to query
```

See also

- emscli cache - for querying the contents of the DAS cache

emscli config

for querying and updating EMS config files

Options

```
-h, --help   help for config
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- emscli config get - for retrieving information from a specific EMS config files
- emscli config reset-admin - resets the EMS administrator password using the EMS password recovery tool
- emscli config set - for updating information in a specific EMS config file
- emscli config unset - for updating specific config file values back to default values

emscli config get

for retrieving information from a specific EMS config file

Options

```
-h, --help   help for get
```

See also

- emscli config - for querying and updating EMS config files
- emscli config set - for updating information in a specific EMS config file
- emscli config unset - for updating specific config file values back to default values
- emscli config get autoupgrade - command to retrieve specific autoupgrade configuration values
- emscli config get console - command to retrieve specific console configuration values
- emscli config get db - command to retrieve specific EMS DB configuration values
- emscli config get ec on page 21 - retrieves specific service configuration values
- emscli config get events - command to retrieve specific events configuration values
- emscli config get fds on page 22 - retrieves specific fds configuration values
- emscli config get fos on page 23 - retrieves FortiOS specific configuration

- emscli config get installer on page 23 - retrieves specific installer configuration values
- emscli config get invitation - command to retrieve specific invitation configuration values (EMS cloud instances only)
- emscli config get mdm - retrieves mdm specific configuration
- emscli config get mpmworker - retrieves mpm_worker specific config
- emscli config get perfmon on page 25- retrieve spepcifc perfmon configuration values
- emscli config get snmp on page 25 - retrieves SNMP specific configuration
- emscli config get upload on page 26 - retrieves specific upload configuration values
- emscli config get ztna - retrieves ZTNA specific config

emscli config get autoupgrade

command to retrieve specific autoupgrade configuration values

Synopsis

`config get autoupgrade` retrieves the value(s) of the specified setting(s) from the autoupgrade configuration.

A minimum of one (1) configuration setting to retrieve must be specified. If specifying multiple settings, separate each with a single space.

```
emscli config get autoupgrade [enable|limit.days] [flags]
```

Options

```
  -h, --help   help for autoupgrade
```

See also

- emscli config get - for retrieving information from a specific EMS config file
- emscli config set autoupgrade - command to set specific autoupgrade configuration values

emscli config get console

command to retrieve specific console configuration values

Synopsis

`config get console` retrieves the value(s) of the specified setting(s) from the console configuration.

A minimum of one (1) configuration setting to retrieve must be specified. If specifying multiple settings, separate each with a single space.

```
emscli config get console
[allowed.hosts|http.port|https.port|fileserver.port|remote.access|server.threads|server.processes]
[flags]
```

Options

```
  -h, --help   help for console
```

See also

- emscli config get - for retrieving information from a specific EMS config file

emscli config get db

command to retrieve specific EMS DB configuration values

Synopsis

`config get db` retrieves the value(s) of the specified setting(s) from the EMS DB configuration.

A minimum of one (1) configuration setting to retrieve must be specified. If specifying multiple settings, separate each with a single space.

```
emscli config get db [db.user|db.host|db.port|db.password|db.connection_pool_
mode|db.hosts|db.preferred_dcs] [flags]
```

Options

```
  -h, --help   help for db
```

See also

- emscli config get - for retrieving information from a specific EMS config file

emscli config get ec

command to retrieve specific service configuration values

```
emscli config get ec [flags]
```

Options

```
  -h, --help             help for ec
      --service string   Service to retrieve status of
```

See also

- emscli config get on page 19 - for retrieving information from a specific EMS config file

emscli config get events

command to retrieve specific events configuration values

Synopsis

`config get events` retrieves the value(s) of the specified setting(s) from the events configuration.

A minimum of one (1) configuration setting to retrieve must be specified. If specifying multiple settings, separate each with a single space.

```
emscli config get events
[enable.feature|es.user|es.hosts|es.cert|es.password|es.key|enable.event.queue|enable.es.queue|use
.db.prefix] [flags]
```

Options

```
  -h, --help   help for events
```

See also

- emscli config get - for retrieving information from a specific EMS config file

emscli config get fds

command to retrieve specific fds configuration values

Synopsis

`config get fds` retrieves the value(s) of the specified setting(s) from the console configuration.

```
emscli config get fds [flags]
```

Options

```
  -h, --help   help for fds
```

See also

- emscli config get on page 19 - for retrieving information from a specific EMS config file

emscli config get fos

Retrieves FOS specific configuration

```
emscli config get fos
[sysinfo.window|tags.window|tags.definition.window|secpos.window|crl.window|update.interval|ping.i
nterval|pong.interval|log.interval] [flags]
```

Options

```
  -h, --help   help for fos
```

See also

- emscli config get on page 19 - for retrieving information from a specific EMS config file

emscli config get installer

command to retrieve specific installer configuration values

Synopsis

`config get installer` retrieves the value(s) of the specified setting(s) from the console configuration.

```
emscli config get installer [flags]
```

Options

```
  -h, --help   help for installer
```

See also

- emscli config get - for retrieving information from a specific EMS config file

emscli config get invitation

command to retrieve specific invitation configuration values (EMS cloud instances only)

Synopsis

`config get invitation` retrieves the value(s) of the specified setting(s) from the console configuration (EMS cloud instances only).

```
emscli config get invitation [enable.v2] [flags]
```

Options

```
  -h, --help   help for invitation
```

See also

- emscli config get - for retrieving information from a specific EMS config file
- emscli config set invitation - command to set specific invitation configuration vaules (EMS cloud instances only)

emscli config get mdm

Retrieves mdm specific configuration

```
emscli config get mdm [scep.publichostname|ems.url|ems.port] [flags]
```

Options

```
  -h, --help   help for mdm
```

See also

- emscli config get - for retrieving information from a specific EMS config file
- emscli config set mdm - Sets mdm specific configuration

emscli config get mpmworker

Retrieves mpm_worker specific config.

```
emscli config get mpmworker [(thread.limit|tl)|(threads.per.child|tpc)|(max.req.workers|mrw)]
[flags]
```

Options

```
  -h, --help   help for mpmworker
```

See also

- emscli config get - for retrieving information from a specific EMS config file
- emscli config get mpmworker - Sets the specified Apache MPM Worker config from the specified arguments and values.

emscli config get perfmon

command to retrieve spepcifc perfmon configuration values

```
emscli config get perfmon [enabled] [flags]
```

Options

```
  -h, --help   help for perfmon
```

See also

- emscli config get - for retrieving information from a specific EMS config file

emscli config get snmp

Retrieves SNMP specific configuration

```
emscli config get snmp [enabled|snmp.host|snmp.community] [flags]
```

Options

```
  -h, --help   help for snmp
```

See also

- emscli config get - for retrieving information from a specific EMS config file

emscli config get upload

command to retrieve specific upload configuration values

Synopsis

`upload get types` retrieves list of upload types that are enabled

```
emscli config get upload [types] [flags]
```

Options

```
  -h, --help   help for upload
```

See also

- emscli config get on page 19 - for retrieving information from a specific EMS config file

emscli config get ztna

Retrieves ZTNA specific config

```
emscli config get ztna [ (request.limit|rl) | (enable.cache|ec) | (zip.api|za) |
(debug.sysinfo|ds) | (debug.uidtags|dut) | (debug.tags|dt) | (debug.uids|uids) |
(debug.fgtsns|sns) ] [flags]
```

Options

```
  -h, --help   help for ztna
```

See also

- emscli config get - for retrieving information from a specific EMS config file
- emscli config set ztna - Sets the specified ZTNA config from the specified arguments and values

emscli config reset-admin

resets the EMS administrator password using the EMS password recovery tool

Synopsis

`config reset-admin` resets the EMS administrator password, using the EMS password recovery tool to do so.

```
emscli config reset-admin [flags]
```

Options

```
  -h, --help   help for reset-admin
```

See also

- emscli config - for querying and updating EMS config files

emscli config set

for updating information in a specific EMS config file

Options

```
  -h, --help   help for set
```

See also

- emscli config - for querying and updating EMS config files
- emscli config get - for retrieving information from a specific EMS config file
- emscli config unset - for updating specific config file values back to default values
- emscli config set autoupgrade - command to set specific autoupgrade configuration values
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- emscli config set ec on page 30 - enables / disables grpc services
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- emscli config set upload on page 36 - enables / disables upload types
- emscli config set ztna - sets the specified ZTNA config from the specified arguments and values

emscli config set autoupgrade

command to set specific autoupgrade configuration values

Synopsis

`config set autoupgrade` sets the value(s) of the specified setting(s) in the autoupgrade configuration.

Multiple flags may be specified.

```
emscli config set autoupgrade [flags]
```

Options

```
      --enable           Enables the auto-upgrade feature. Accepted values: true|false (default
true). For example, --enable="false"
  -h, --help             help for autoupgrade
      --limit.days int   Number of days to limit the EMS auto-upgrade to
```

See also

- emscli config set - for updating information in a specific EMS config file
- emscli config get autoupgrade - command to retrieve specific autoupgrade configuration values

emscli config set console

command to set specific webserver console configuration values

Synopsis

`config set console` sets the value(s) of the specified setting(s) in the webserver console configuration.

Multiple flags may be specified.

```
emscli config set console [flags]
```

Options

```
      --allowed.hosts string   A comma-separated list (without spaces) of host addresses with
which the EMS console can be accessed
      --enable.remote.access   Enables remote https access to the EMS console. Accepted values:
true|false. For example, --enable.remote.access="false"
      --fileserver.port int    The fileserver port for the EMS console (default 10443)
  -h, --help                   help for console
      --http.port int          The http port for the EMS console (default 80)
      --https.port int         The https port for the EMS console (default 443)
      --server.processes int   The number of processes for WSGI daemon (default 1)
      --server.threads int     The number of threads for WSGI daemon processes (default 150)
```

See also

- emscli config set - for updating information in a specific EMS config file

emscli config set db

command to set specific EMS DB configuration values

Synopsis

`config set db` sets the value(s) of the specified setting(s) in the EMS DB configuration.

Multiple flags may be specified.

If you wish to set the value(s) of a particular setting(s) back to their default(s), use the `config unset db` command.

```
emscli config set db [flags]
```

Options

```
      --db.connection_pool_mode string   The database connection pool mode. Accepted values:
low|medium|high
      --db.host string                   The database host
      --db.hosts string                  Comma-separated list of IP:PORT@DCS pairs for DB cluster
nodes. Examples: --db_hosts="10.0.0.5:5432" or --db_
hosts="10.0.0.5:5432,10.0.0.6,10.0.0.8:5434,..." or --db_
hosts="10.0.0.5:5432@Dc1,10.0.0.6:5636@Dc1,10.0.0.8:5434@Dc3,..."
      --db.password string               The database password
      --db.port string                   The database port
      --db.preferred_dcs string          The preferred data centers for EMS ha node (Optional),
used together with --db.hosts. Examples: "--db_
hosts="10.0.0.5:5432@Dc1,10.0.0.6:5636@Dc2,10.0.0.8:5434@Dc3,..." so --db.preferred_dcs Dc1,Dc2.
      --db.prefix string                 The database prefix
      --db.user string                   The database user
  -h, --help                             help for db
```

See also

- emscli config set - for updating information in a specific EMS config file

emscli config set ec

Enable / disable grpc services

```
emscli config set ec [flags]
```

Options

```
      --disable          Disable passed services (comma separate string with no spaces)
      --enable           Enables passed services (comma separate string with no spaces)
  -h, --help             help for ec
      --remove.resp      Remove the custom response for the passed service
      --resp string      Default response for passed service
      --service string   Services to enable / disable
```

See also

- emscli config set on page 27 - for updating information in a specific EMS config file

emscli config set events

command to set specific events configuration values

Synopsis

`config set events` sets the value(s) of the specified setting(s) in the events configuration.

Multiple flags may be specified.

```
emscli config set events [flags]
```

Options

```
      --enable.es.queue string      Enables the elasticsearch queue. Accepted values: true|false
      --enable.event.queue string   Enables the event queue. Accepted values: true|false
      --enable.feature              Enables the endpoint events feature. Accepted values:
true|false (default true)
      --es.cert string              The path to the elasticsearch CA cert
      --es.hosts string             The elasticsearch host
      --es.key string               The elasticsearch API key
      --es.password string          The elasticsearch account password
      --es.user string              The elasticsearch user
  -h, --help                        help for events
      --use.db.prefix               Enable the use of the DB prefix as a prefix for the ES indices
(default true)
```

See also

- emscli config set - for updating information in a specific EMS config file

emscli config set fds

command to set specific fds configuration values

Synopsis

`config set fds` sets the value(s) of the specified setting(s) in the fds configuration

```
emscli config set fds [flags]
```

Options

```
  -h, --help   help for fds
```

See also

- emscli config set on page 27 - for updating information in a specific EMS config file

emscli config set fos

Sets the FOS config from the specified flags

```
emscli config set fos [flags]
```

Options

```
      --crl.window int               Max notification window duration for CRL API in seconds
  -h, --help                         help for fos
      --log.interval int             How often to print out FGT connection logs in seconds
      --ping.interval int            Ping interval in seconds
      --pong.interval int            Pong interval in seconds
      --secpos.window int            Max notification window duration for security posture API in
seconds
      --sysinfo.window int           Max notification window duration for sysinfo API in seconds
      --tags.definition.window int   Max notification window duration for tags definition API in
seconds
      --tags.window int              Max notification window duration for tags API in seconds
      --update.interval int          Notification window update interval in milliseconds
```

See also

- emscli config set on page 27 - for updating information in a specific EMS config file

emscli config set installer

command to set specific installer configuration values

Synopsis

`config set installer` sets the value(s) of the specified setting(s) in the installer configuration

```
emscli config set installer [flags]
```

Options

```
      --ems_installer.max_delay int   max delay for downloading EMS installers (for autoupgrade)
  -h, --help                          help for installer
      --source string                 source of FCT base installer (fds|cloud) (default "fds")
```

See also

- emscli config set - for updating information in a specific EMS config file

emscli config set invitation

command to set specific invitation configuration vaules (EMS cloud instances only)

Synopsis

`config set invitation` sets the value(s) of the specified setting(s) in the invitation configuration (EMS cloud instances only).

```
emscli config set invitation [flags]
```

Options

```
      --enable.v2   Enable the invitation type v2. Values true|false default(true) (default true)
  -h, --help        help for invitation
```

See also

- emscli config set - for updating information in a specific EMS config file
- emscli config get invitation - command to retrieve specific invitation configuration values (EMS cloud instances only)

emscli config set mdm

Sets mdm specific configuration

```
emscli config set mdm [flags]
```

Options

```
      --ems.port int                Update port used by mdm service to access EMS
      --ems.url string              Update url used by mdm service to access EMS
  -h, --help                        help for mdm
      --scep.publichostname string  Set the public address used by devices to request security
certificates from the MDM
```

See also

- emscli config set - for updating information in a specific EMS config file
- emscli config get mdm - Retrieves mdm specific configuration

emscli config set mpmworker

Sets the specified Apache MPM Worker config from the specified arguments and values.

```
emscli config set mpmworker [flags]
```

Options

```
  -h, --help                    help for mpmworker
      --max.req.workers int     [Alias 'mrw'] Set the total cap on concurrent requests Apache will
serve. This is across all child processes. Must have MaxRequestWorkers <= ServerLimit x
ThreadsPerChild.
      --thread.limit int        [Alias 'tl'] Set the max upper bound on how many threads a single
child process can run. Must have ThreadLimit >= ThreadsPerChild.
      --threads.per.child int   [Alias 'tpc'] Set the number of threads each child process spawns
on startup. If set higher than ThreadLimit, it will be reduced back down.
```

See also

- emscli config set - for updating information in a specific EMS config file

emscli config set perfmon

command to set specific perfmon configuration values

Synopsis

`config set perfmon` sets the value(s) of the specified setting(s) in the events configuration.

Multiple flags may be specified.

```
emscli config set perfmon [flags]
```

Options

```
      --disable   Disables the EMS performance monitoring dashboard
      --enable    Enables the EMS performance monitoring dashboard
  -h, --help      help for perfmon
```

See also

- emscli config set - for updating information in a specific EMS config file

emscli config set snmp

Sets the SNMP config from the specified flags

```
emscli config set snmp [flags]
```

Options

```
      --enabled string          Enable SNMP traps
  -h, --help                    help for snmp
      --snmp.community string   Sets the SNMP commnity to use when sending traps
      --snmp.host string        Sets the host for the SNMP Manager to send traps to
```

See also

- emscli config set - for updating information in a specific EMS config file

emscli config set upload

Enable / disable upload types

```
emscli config set upload [flags]
```

Options

```
      --disable string   Disable passed upload types (comma separate string with no spaces)
      --enable string    Enable passed upload types (comma separate string with no spaces)
  -h, --help             help for upload
```

See also

- emscli config set on page 27 - for updating information in a specific EMS config file

emscli config set ztna

Sets the specified ZTNA config from the specified arguments and values

```
emscli config set ztna [flags]
```

Options

```
      --debug.fgtsns string    [Alias 'sns'] Comma delimited list of FGT SNs to debug from API
response. Example: SN1,SN2,SN3.
      --debug.sysinfo string   [Alias 'ds'] Debugging Sysinfo response. Need to set
[debug.uids|debug.fgtsns]. (default "no")
      --debug.tags string      [Alias 'dt'] Debugging Tags response. Need to set [debug.fgtsns].
      --debug.uids string      [Alias 'uids'] Comma delimited list of FCT UIDs to debug from API
response. Example: UID1,UID2,UID3.
      --debug.uidtags string   [Alias 'dut'] Debugging UID Tags response. Need to set
[debug.uids|debug.fgtsns].
      --enable.cache string    [Alias 'ec'] Toggle API response caching. (default "no")
  -h, --help                   help for ztna
      --request.limit int      [Alias 'rl'] Set the maximum concurrent requests handled by ZTNA
worker.
      --zip.api string         [Alias 'za'] Toggles manual zipping of API repsonse. This should be
used as a secondary option (after Mantis 1051765, clients should pass Accept-Encoding header).
(default "no")
```

See also

- emscli config set - for updating information in a specific EMS config file
- emscli config get ztna - Retrieves ZTNA specific config

emscli config unset

for updating specific config file values back to default values

Options

```
  -h, --help   help for unset
```

See also

- emscli config - for querying and updating EMS config files
- emscli config get - for retrieving information from a specific EMS config file
- emscli config set - for updating information in a specific EMS config file
- emscli config unset console on page 37 - unsets specific console configuration values
- emscli config unset db - command to unset specific DB configuration values
- emscli config unset events - unsets specific events configuration values

emscli config unset console

command to unset specific console configuration values

Synopsis

`config unset console` unsets the value(s) of the specified setting(s) in the console configuration, updating them to their default value(s).

A minimum of one (1) configuration setting to unset must be specified. If specifying multiple settings, separate each with a single space.

```
emscli config unset console [server.threads|server.processes] [flags]
```

Options

```
  -h, --help   help for console
```

See also

- emscli config unset on page 37 - for updating specific config file values back to default values

emscli config unset db

command to unset specific DB configuration values

Synopsis

`config unset db` unsets the value(s) of the specified setting(s) in the EMS DB configuration, updating them to their default value(s), or "" if the setting has no default value.

A minimum of one (1) configuration setting to unset must be specified. If specifying multiple settings, separate each with a single space.

```
emscli config unset db [db.user|db.password|db.host|db.port|db.prefix|db.connection_pool_
mode|db.hosts|db.preferred_dcs] [flags]
```

Options

```
  -h, --help   help for db
```

See also

- emscli config unset - for updating specific config file values back to default values

emscli config unset events

unsets specific events configuration values

Synopsis

`config unset events` unsets the value(s) of the specified setting(s) in the events configuration, updating them to their default value(s), or "" if the setting has no default value.

A minimum of one (1) configuration setting to unset must be specified. If specifying multiple settings, separate each with a single space.

```
emscli config unset events
[enable.feature|es.user|es.password|es.cert|es.hosts|es.key|enable.event.queue|enable.es.queue|use
.db.prefix] [flags]
```

Options

```
-h, --help   help for events
```

See also

- emscli config unset - for updating specific config file values back to default values

emscli container

execut commands for containerized EMS

Options

```
-h, --help   help for container
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- emscli container get - gets an option or attribute from containerized EMS
- emscli container set - sets an option or attribute to containerized EMS

emscli container get override

gets an overriden variable from containerized EMS

Synopsis

`container get override --name EMS_DAS_HOST` returns the overriden value for variable `EMS_DAS_HOST` if any

```
emscli container get override [flags]
```

Options

```
  -h, --help          help for override
      --name string   The name of the attribute to retrieve from the overrides
```

See also

- emscli container get - gets an option or attribute from containerized EMS

emscli container get

gets an option or attribute from containerized EMS

Options

```
  -h, --help   help for get
```

See also

- emscli container - execut commands for containerized EMS
- emscli container get override - gets an overriden variable from containerized EMS

emscli container set override

sets an override variable to containerized EMS

Synopsis

`container set override --name EMS_DAS_HOST --value remotedas` overrides the container variable `EMS_DAS_HOST` with the value `remotedas`

```
emscli container set override [flags]
```

Options

```
  -h, --help           help for override
      --name string    The name of the attribute to override
      --value string   The value to override the attribute with. If --value is not provided, or is
provided with empty value, the variable will be set to ""
```

See also

- emscli container set - sets an option or attribute to containerized EMS

emscli container set

sets an option or attribute to containerized EMS

Options

```
  -h, --help   help for set
```

See also

- emscli container - execut commands for containerized EMS
- emscli container set override - sets an override variable to containerized EMS

emscli db

attempts to connect to the EMS DB using psql

Synopsis

db will attempt to connect to the EMS DB using psql.

A specific DB to connect to, and/or a query to execute, may optionally be provided using the --db and --query flags, respectively.

If no DB is specified, fcm_default will be used.

If a query is specified, psql will exit after attempting to execute the query against the specified DB. If no query is specified, psql will remain open.

```
emscli db [flags]
```

Options

```
      --db string      The database to connect to. It must be an existing EMS database (either
'fcm' or 'fcm_*') (default "fcm_default")
```

```
  -h, --help           help for db
      --public         Use the public schema when attempting to connect to the DB
      --query string   The query to execute
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS

emscli debug-filters

for managing debug logging filters to enable debug only for specific things that match the specified filters

Options

```
  -h, --help   help for debug-filters
```

See also

- emscli debug-filters add - Adds a new line or field based debug filter. By default only 10 rules are supported. This can be overridden using the --max flag
- emscli debug-filters clear - clears/disables all debug logging filters
- emscli debug-filters list - lists existing debug logging filters if any
- emscli debug-filters remove - Removes a rule, given it's number, from the debug filters configuration. To know the rule number run `debug-filters ls` or `emscli debug-filters ls` first.

emscli debug-filters add

Adds a new line or field based debug filter. By default only 10 rules are supported. This can be overridden using the --max flag

```
emscli debug-filters add [flags]
```

Options

```
      --field string    An RE2 compatible regular expression to use as filter log field names
      --filter string   An RE2 compatible regular expression to use as filter for debug lines or
```

```
log field values
  -h, --help            help for add
      --max int         The max number of debug filter rules to support (default 10)
```

See also

- emscli debug-filters on page 42 - for managing debug logging filters to enable debug only for specific things that match the specified filters

emscli debug-filters clear

clears/disables all debug logging filters

```
emscli debug-filters clear [flags]
```

Options

```
  -h, --help   help for clear
```

See also

- emscli debug-filters - for managing debug logging filters to enable debug only for specific things that match the specified filters

emscli debug-filters list

lists existing debug logging filters if any

```
emscli debug-filters list [flags]
```

Options

```
  -h, --help   help for list
```

See also

- emscli debug-filters - for managing debug logging filters to enable debug only for specific things that match the specified filters

emscli debug-filters remove

Removes a rule, given it's number, from the debug filters configuration. To know the rule number run `debug-filters ls` or `emscli debug-filters ls` first.

```
emscli debug-filters remove [flags]
```

Options

```
  -h, --help                   help for remove
      --rule debug-filters ls   The number of the rule to remove. Check debug-filters ls or
`emscli debug-filters ls` first, to get existing rules and their numbers.
```

See also

- emscli debug-filters - for managing debug logging filters to enable debug only for specific things that match the specified filters

emscli diag

for troubleshooting issues with particular endpoints

Options

```
  -h, --help   help for diag
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- emscli diag endpoint - shows details for a particular endpoint

emscli diag endpoint

shows details for a particular endpoint

Synopsis

`diag endpoint` will show details for a particular endpoint.

An identifier for the endpoint (either a hostname or its UUID) must be provided to the --id flag.

```
emscli diag endpoint [flags]
```

Options

```
      --dev-only      Return only device data
      --fct-only      Return only FCT & FCT user data
      --full          Return all device, FCT and FCT user data
  -h, --help          help for endpoint
      --id string     An identifier for the endpoint. Can be a hostname or the endpoint's UUID
      --logs          Return the latest log entries for the endpoint/device
      --site string   If using multitenancy, the name of the site. (default "default")
```

See also

- emscli diag - for troubleshooting issues with particular endpoints

emscli execute

for executing commands on the host

Options

```
  -h, --help   help for execute
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- emscli execute backup - generates an EMS database backup
- emscli execute cat - functions identically to Linux 'cat'
- emscli execute clear - for clearing/managing files on a host
- emscli execute clear-known-host - removes a host entry from the SSH known_hosts file
- emscli execute copyfile - copies a file to/from a location(s) on the host
- emscli execute date - retrieves, updates, or synchronizes the host's date

- emscli execute dbop-poll-status - polls the status of a database backup/restore operation
- emscli execute delete-site - deletes a site from EMS
- emscli execute diagnostic - generates diagnostic logs from EMS and the database
- emscli execute disable-migration - disables data migration from a remote EMS v7.2
- emscli execute enable-migration - enables data migration from a remote EMS v7.2
- emscli execute ftp - copies files to/from a remote host using the FTP service
- emscli execute hotfix - manages FortiClient EMS hotfixes
- emscli execute list-users - Lists current users and their statuses
- emscli execute ls - functions identically to Linux 'ls -ltr'
- emscli execute passwd - prompts the current user for setting a new password
- emscli execute pcap - Runs a network packet capture with the specified parameters.
- emscli execute ping - functions identically to Linux 'ping'; verifies if there is a network route between the current host and the specified host
- emscli execute reboot - reboots the host
- emscli execute restore - restores a database backup into EMS
- emscli execute revert-ems-file - reverts an EMS installaton file previously replaced using SCP/FTP/SFTP
- emscli execute scp - copies files to/from a remote host using the SCP service
- emscli execute sftp - copies files to/from a remote host using the SFTP service
- emscli execute shutdown - shuts down the host
- emscli execute ssh - attempts to access a remote host using the ssh service
- emscli execute ssh-copy-key - copies the ssh public key to a remote host
- emscli execute ssh-regen-keys - generates (or regenerates, if previously created) SSH host keys
- emscli execute time - retrieves, updates, or synchronizes the host's time
- emscli execute timezone - for managing the host's timezone
- emscli execute top - functions identically to Linux 'top'; displays info of host processes
- emscli execute traceroute - Runs a traceroute from the current host to another
- emscli execute upgrade - Upgrade [package|ems]

emscli execute backup

generates an EMS database backup

Synopsis

The 'backup' command creates an EMS database backup and saves it either locally or remotely.

You must specify a destination for the backup file: • Use '--local.file' to save the backup to a local path (e.g., /opt/ems/backups/emsdb_20251017.backup.enc). • Or use '--remote.file' along with '--remote.ip', '--remote.port', '--remote.user', and '--remote.password' to save it remotely. If remote.password is not supplied, you will be prompted to enter it securely.

Additionally, you must provide: • '--compress.type' — either 'zip' or 'database' (defines the compression format) • '--backup.password' — password to encrypt the database backup file

Backup file name rules: • For a **full EMS database backup**, do NOT specify '--backup.sitename'. The backup filename must start with 'emsdb_'. Example: emsdb_20251017.backup.enc

• For a **site-specific backup**, you MUST specify '--backup.sitename'. The backup filename must start with 'emssite_' followed by the site name. Example: emssite_nycdb_20251017.backup.enc

```
emscli execute backup [flags]
```

Options

```
      --backup.password string   A password for the database backup file, which must be provided
when the database is later restored
      --backup.sitename string   The specific site name to be backup
      --compress.type string     The compression type to be used for the backup [database|zip]
(default "zip")
      --copy.service string      The service that will be used to copy to the remote host
[scp|ftp|sftp] (default "scp")
  -h, --help                     help for backup
      --local.file string        The path/file name of the local database backup to be saved (on
the local host)
      --op_id string             The operation ID will be used to track the status of the backup
operation
      --remote.file string       The path/file name on the remote host to where the database
backup file will be copied. The remote user must have write access to this location.
                                 (For the FTP service, the file location is relative to the FTP
root folder)
      --remote.ip string         The IP of the remote host where the database backup file will be
copied to
      --remote.password string   The password for the remote user that will be used to connect to
the remote host
      --remote.port int          The port to be used by the remote copy service. [default: 22 for
SCP/SFTP, 21 for FTP]
      --remote.user string       The user that will be used to connect to the remote host
      --yes                      Skip confirmation prompts during backup
```

See also

- emscli execute - for executing commands on the host

emscli execute cat

functions identically to Linux 'cat'

```
emscli execute cat [file name] [flags]
```

Options

```
-h, --help   help for cat
```

See also

- emscli execute - for executing commands on the host

emscli execute clear logs

for clearing/managing Forticlient EMS and system logs

Options

```
-h, --help   help for logs
```

See also

- emscli execute clear - for clearing/managing files on a host
- emscli execute clear logs ems - clears and/or manages FortiClient EMS logs
- emscli execute clear logs system - clears and/or manages system logs

emscli execute clear logs ems

clears and/or manages FortiClient EMS logs

Synopsis

`execute clear logs ems` clears FortiClient EMS logs from the host that are older than a specified number of days.

Provide the number of days (minimum 1) to the `--delete.older` flag.

If the `--delete.older` flag is not specified, a default value of 4 days will be used.

```
emscli execute clear logs ems [flags]
```

Options

```
      --delete.older int   The maximum number of days a log file should be kept before it is
deleted (default 4)
  -h, --help               help for ems
```

See also

- emscli execute clear logs - for clearing/managing Forticlient EMS and system logs

emscli execute clear logs system

clears and/or manages system logs

Synopsis

`execute clear logs system` controls how frequently system logs are rotated and/or cleared from the host.

A log 'rotation' refers to the moment when logs stop being written to a particular file, and start being written to another, usually new, file.

Use the `--rotate` flag to force an immediate log rotation.

```
emscli execute clear logs system [flags]
```

Options

```
  -h, --help              help for system
      --rotate            Forces an immediate log rotation
      --set.freq string   Controls how frequently log files are to be rotated [daily|weekly]
      --set.rotate int    Controls how many times a log file can be rotated before the oldest log
file is deleted [1-10] [default: 10]
```

See also

- emscli execute clear logs - for clearing/managing Forticlient EMS and system logs

emscli execute clear logs system

clears and/or manages system logs

Synopsis

`execute clear logs system` controls how frequently system logs are rotated and/or cleared from the host.

A log 'rotation' refers to the moment when logs stop being written to a particular file, and start being written to another, usually new, file.

Use the `--rotate` flag to force an immediate log rotation.

```
emscli execute clear logs system [flags]
```

Options

```
  -h, --help              help for system
      --rotate            Forces an immediate log rotation
      --set.freq string   Controls how frequently log files are to be rotated [daily|weekly]
      --set.rotate int    Controls how many times a log file can be rotated before the oldest log
file is deleted [1-10] [default: 10]
```

See also

- emscli execute clear logs - for clearing/managing Forticlient EMS and system logs

emscli execute clear redis

clears the redis .dmp file and restarts redis

Synopsis

`execute clear redis` clears the redis .dmp file if it exists, and restarts redis if the .dmp file was cleared.

```
emscli execute clear redis [flags]
```

Options

```
  -h, --help   help for redis
```

See also

- emscli execute clear - for clearing/managing files on a host

emscli execute clear

for clearing/managing files on a host

Options

```
  -h, --help   help for clear
```

See also

- emscli execute - for executing commands on the host
- emscli execute clear logs - for clearing/managing Forticlient EMS and system logs

emscli execute clear-known-host

removes a host entry from the SSH known_hosts file

Synopsis

`clear-known-host` removes a host entry from the SSH known_hosts file.

Specify either a `--host` to remove, or `--remove.all` to remove all hosts.

```
emscli execute clear-known-host [flags]
```

Options

```
  -h, --help          help for clear-known-host
      --host string   Hostname or IP address to remove from the SSH known_hosts file
      --remove.all    Remove all entries from the known_hosts file
```

See also

- emscli execute - for executing commands on the host

emscli execute copyfile

copies a file to/from a location(s) on the host

Synopsis

`execute copyfile` copies a file to/from a location(s) on the host.

Use the `--from` and `--to` flags to specify the source and destination paths of the file to be copied.

```
emscli execute copyfile [flags]
```

Options

```
      --from string   The file that will be copied.
  -h, --help          help for copyfile
      --preserve      The permissions of the original file will be set to the copied file.
      --to string     Path and file name to where the file will copied.
```

See also

- emscli execute - for executing commands on the host

emscli execute date

retrieves, updates, or synchronizes the host's date

Synopsis

`emscli execute date` interacts with the host's date settings.

Running the command with no arguments will return the current date.

Running the command and passing a date (of the format YYYY-MM-DD) will attempt to update the host's date to the provided date. If the host is synchronized with a time protocol other than NTP, the date will not be updated. If the date is successfully updated, host synchronization with the network will be disabled.

Passing the `synch` argument will attempt to synchronize the host's date with the network date.

```
emscli execute date [synch|YYYY-MM-DD] [flags]
```

Options

```
  -h, --help   help for date
```

See also

- emscli execute - for executing commands on the host
- emscli execute time - retrieves, updates, or synchronizes the host's time
- emscli execute timezone - for managing the host's timezone

emscli execute dbop-poll-status

polls the status of a database backup/restore operation

Synopsis

`execute dbop-poll-status` polls the status of a database operation previously started using either `execute backup` or `execute restore` commands.

The operation ID must be provided to the `--operation.id` flag.

```
emscli execute dbop-poll-status [flags]
```

Options

```
  -h, --help           help for dbop-poll-status
      --op.id string   The operation ID returned when the dbop backup/restore/diagnostic command
was first executed
```

See also

- emscli execute - for executing commands on the host

emscli execute delete-site

deletes a site from EMS

Synopsis

`execute delete-site` deletes a site from EMS.

The site name must be provided to the `--name` flag.

```
emscli execute delete-site [flags]
```

Options

```
  -h, --help          help for delete-site
      --name string   The name of the site to be deleted
      --yes           If set, the deletion will be confirmed without prompting.
```

See also

- emscli execute - for executing commands on the host

emscli execute diagnostic

generates diagnostic logs from EMS and the database

Synopsis

`execute diagnostic` generates diagnostic logs for EMS.

To save a remote copy, provide any --remote flags required to connect.

In either case, a `--compress-type` (either `zip` or `database`) and `--backup.password` for the database backup file must also be provided.`

```
emscli execute diagnostic [flags]
```

Options

```
      --backup.password string   A password for the database backup file to be included in the
diagnostic output, which must be provided when the database is later restored
      --copy.service string      The service that will be used to copy to the remote host
[scp|ftp|sftp] (default "scp")
  -h, --help                     help for diagnostic
      --include.db               Controls whether a backup of the database will be included in the
diagnostic output
      --keep.file                If copying to a remote host, controls whether a copy of the
diagnostic file will be kept locally in the working folder after the diagnostic file generation
completes
      --op_id string             The operation ID will be used to track the status of the
diagnostic operation
      --remote.folder string     The /path/ on the remote host to where the diagnostic file will
be copied. The remote user must have write access to this location.
                                 (For the FTP service, the file location is relative to the FTP
root folder)
      --remote.ip string         The IP of the remote host where the diagnostic file will be
copied to
```

```
      --remote.password string   The password for the remote user that will be used to connect to
the remote host
      --remote.port int          The port to be used by the remote copy service. [default: 22 for
SCP/SFTP, 21 for FTP]
      --remote.user string       The user that will be used to connect to the remote host
      --yes                      Skip confirmation prompts during diagnostic logs generation
```

Example

```
emscli execute diagnostic --keep.file --copy.service ftp --remote.ip 192.161.1.100 --remote.user
admin --remote.password test1000 --remote.folder "/" --yes
```

See also

- emscli execute - for executing commands on the host

emscli execute disable-migration

disables data migration from a remote EMS v7.2

Synopsis

`execute disable-migration` configures an EMS installation to NOT accept data migration from a remote EMS v7.2.

```
emscli execute disable-migration [flags]
```

Options

```
  -h, --help   help for disable-migration
```

See also

- emscli execute - for executing commands on the host
- emscli execute enable-migration - enables data migration from a remote EMS v7.2

emscli execute enable-migration

enables data migration from a remote EMS v7.2

Synopsis

`execute enable-migration` configures an EMS installation to accept data migration from a remote EMS v7.2.

The public key file name from the EMS 7.2 host must be provided to the `--pub.key` flag.

```
emscli execute enable-migration [flags]
```

Options

```
  -h, --help                  help for enable-migration
      --pub.key string        The path/name of the public key file obtained from the EMS 7.2 host.
      --ssh.key string        The plain text content of the public key file obtained from the EMS
7.2 host. Wrap the text content in double quotations.
      --ssh.key.file string   The path/name of the public key file obtained from the EMS 7.2 host.
(same as --pub.key)
```

See also

- emscli execute - for executing commands on the host

emscli execute ftp

copies files to/from a remote host using the FTP service

For security reasons, you cannot freely transfer files from other hosts to EMS Virtual Appliance host using "scp", "ftp", or "sftp". You can only transfer files to/from an EMS Virtual Appliance by running the relevant commands from the EMS Virtual Appliance itself.

Synopsis

`execute ftp` attempts to copy files to or from a remote host using the FTP service.

If copying from a remote host to the local machine, include the `--read` flag; if copying from the local machine to a remote host, do not include the flag.

Also include:

- the local filepath (or local destination for a remote file) to the `--local.file` flag;
- the remote filepath (or remote destination for a local file) to the `--remote.file` flag, and
- any other --remote flags required to connect.

```
emscli execute ftp [flags]
```

Options

```
  -h, --help                    help for ftp
      --local.file string       The /path/filename of the file to be copied (or destination of
the file to be saved) on the local host. If no path is specified, the command will look for the
file in the "/exchange" folder.
      --read                    Specifies that this command is to read a file from the remote
host (rather than copy from)
      --remote.file string      The /path/filename of the file to be copied (or destination of
the file to be saved) on the remote host. The file location is relative to the FTP root/working
folder as it is configured on the Windows host. The remote filename on the target host can be
different from the filename on your EMS Virtual Appliance. Examples: --remote.file
"c:/workfolder/file20.txt" or --remote.file "/home/myuser/file20.txt"
      --remote.ip string        The IP of the remote host where the file will be copied to/from
      --remote.password string  The password for the remote user that will be used to connect to
the remote host. If the password is not provided here, you will be prompted to enter the password
when running the command.
      --remote.port int         If your FTP client is configured to use a different port than
port 21, use the --remote.port option to specify the port. For example, --remote.port 3021
      --remote.user string      The user that will be used to connect to the remote host.. The
user must have write or read permission to folder on the remote host, depending on whether you are
writing to or reading from the remote host.
```

Examples

- **To transfer a file from the EMS Virtual Appliance to a Windows host (with FTP client service installed):**

  ```
  emscli execute ftp --remote.ip 172.10.10.10 --remote.user myuser --remote.file
  "c:/workfolder/file20.txt" --local.file file10.txt
  ```

- **To transfer a file (such as hotfix files from Fortinet support or public keys for migration from 7.2) from a Linux host (with FTP client service installed) to the EMS Virtual Appliance:**

  ```
  emscli execute ftp --read --remote.ip 172.10.10.10 --remote.user myuser --remote.file
  "/home/myuser/file30.txt" --local.file file40.txt
  ```

To collect EMS log and configuration files for troubleshooting, use the emscli execute diagnostic on page 54 command instead.

See also

- emscli execute - for executing commands on the host
- emscli execute scp - copies files to/from a remote host using the SCP service
- emscli execute sftp - copies files to/from a remote host using the SFTP service

emscli execute hotfix

manages FortiClient EMS hotfixes

Synopsis

`execute hotfix` is used to interact with EMS hotfixes.

- To list all hotfixes that have been applied or attempted, use the `--list` flag.
- To apply a hotfix, pass the path/name of the hotfix .zip file to the --apply flag.
- To revert a hotfix, pass the checksum of the hotfix to the `--revert.checksum` flag.

Note that hotfixes can only be reverted in reverse order of application.

```
emscli execute hotfix [flags]
```

Options

```
      --apply string             Applies the hotfix in the specified zip file
  -h, --help                     help for hotfix
      --list                     Lists all hotfixes that have been applied or attempted before
(failed or reverted)
      --revert.checksum string   Reverts the hotfix with the specified checksum. Only hotfixes
that are currently applied can be reverted. Hotfixes can only be reverted in reverse order of
application
```

See also

- emscli execute - for executing commands on the host

emscli execute list-users

Lists current users and their statuses

```
emscli execute list-users [flags]
```

Options

```
  -h, --help   help for list-users
```

See also

- emscli execute - for executing commands on the host

emscli execute ls

functions identically to Linux 'ls -ltrh'

```
emscli execute ls [file pattern] [flags]
```

Options

```
  -h, --help              help for ls
      --only.file.names   Filters the output to only display file names
      --show.bytes        Prints sizes in bytes instead of in human readable format
```

See also

- emscli execute - for executing commands on the host

emscli execute passwd

prompts the current user for setting a new password

Synopsis

`execute passwd` will take the current user through the password change procedure asking for their current password and then a new password

```
emscli execute passwd [flags]
```

Options

```
  -h, --help          help for passwd
      --user string   The name of the user you wish to change the password
```

See also

- emscli execute - for executing commands on the host

emscli execute pcap

Runs a network packet capture with the specified parameters.

Synopsis

Runs a network package capture with the specified parameters, supporting the same filters as those supported by tcpdump. `execute pcap --if ens2 --filter "port 443 and host 10.20.20.1" --out port443.pcap` this would capture packets on the network interface ens2 and apply filters to match only host 10.20.20.1 and requests to port 443.

```
emscli execute pcap [flags]
```

Options

```
      --filter string   The filter string to apply to the packet capture. This only supports
filters supported by tcpdump and a single filter string can be made of a composite filter.
Reference: https://www.tcpdump.org/manpages/pcap-filter.7.html
  -h, --help            help for pcap
      --if string       The network interface to monitor. If none is provide, the one detected as
main will be used.
      --out string      The name of the output file to save the capture at. If none is provided,
the capture will be longed on the console only.
```

See also

- emscli execute - for executing commands on the host

emscli execute ping

functions identically to Linux 'ping'; verifies if there is a network route between the current host and the specified host

```
emscli execute ping [ip] [flags]
```

Options

```
  -h, --help   help for ping
```

See also

- emscli execute - for executing commands on the host

emscli execute reboot

reboots the host

Synopsis

`execute reboot` reboots the host.

```
emscli execute reboot [flags]
```

Options

```
  -h, --help   help for reboot
```

See also

- emscli execute - for executing commands on the host
- emscli execute - shuts down the host

emscli execute restore

restores a database backup into EMS

Synopsis

The 'restore' command restores an EMS database backup/site from a local or remote location.

You must specify the backup file to restore: • Use '--local.file' to restore from a local backup (e.g., /opt/ems/backups/emsdb_20251017.backup.enc). • Use '--remote.path' along with '--remote.ip', '--remote.port', '--remote.user', and '--remote.password' to restore from a remote backup.

Restore type rules: • For a **site-specific restore**, you MUST provide '--restore.sitename' to specify the site to restore into. You MUST also provide '--backup.sitename' to indicate the site from which the backup was originally taken. The backup file must start with 'emssite_' followed by the site name. Example: emssite_nycdb_20251017.backup.enc • For a **full EMS database restore**, do NOT provide '--restore.sitename' or '--backup.sitename'. The backup file must start with 'emsdb_'. Example: emsdb_20251017.backup.enc

Ensure the file naming follows the above rules to prevent errors. Providing the correct site names ensures that site-specific restores apply to the intended site without affecting other sites or the full database.

```
emscli execute restore [flags]
```

Options

```
      --backup.password string    The password of the database backup file (set when the backup
was first created)
      --backup.sitename string    Site name from which the backup was taken
      --copy.service string       The service that will be used to copy from the remote host
[scp|ftp|sftp] (default "scp")
  -h, --help                      help for restore
      --keep.file                 If restoring from a remote backup, controls whether a copy of
the backup file will be kept locally in the current folder after the restore completes
      --local.file string         The backup path/file name (on the local host) to be restored
      --op_id string              The operation ID will be used to track the status of the restore
operation
      --remote.file string        The /path/filename on the remote host of the backup file to be
restored. The remote user must have read access for this location.
                                  (For the FTP service, the file location is relative to the FTP
root folder)
      --remote.ip string          The IP of the remote host where the database backup file will be
copied from
      --remote.password string    The password for the remote user that will be used to connect to
the remote host
      --remote.port int           The port to be used by the remote read service. [default: 22 for
SCP/SFTP, 21 for FTP]
      --remote.user string        The user that will be used to connect to the remote host
      --restore.sitename string   Specify the site name to restore the backup into
      --yes                       Skip confirmation prompts during restore
```

See also

- emscli execute - for executing commands on the host

emscli execute revert-ems-file

reverts an EMS installaton file previously replaced using SCP/FTP/SFTP

```
emscli execute revert-ems-file [flags]
```

Options

```
      --file string   The backup file name in the /exchange folder that will be reverted to EMS
installation folder.
  -h, --help          help for revert-ems-file
```

See also

- emscli execute - for executing commands on the host

emscli execute scp

copies files to/from a remote host using the SCP service

For security reasons, you cannot freely transfer files from other hosts to EMS Virtual Appliance host using "scp", "ftp", or "sftp". You can only transfer files to/from an EMS Virtual Appliance by running the relevant commands from the EMS Virtual Appliance itself.

Synopsis

`execute scp` attempts to copy files to or from a remote host using the SCP service.

If copying from a remote host to the local machine, include the `--read` flag; if copying from the local machine to a remote host, do not include the flag.

Also include:

- the local filepath (or local destination for a remote file) to the `--local.file` flag;
- the remote filepath (or remote destination for a local file) to the `--remote.file` flag, and
- any other --remote flags required to connect.

```
emscli execute scp [flags]
```

Options

```
  -h, --help                    help for scp
      --local.file string       The /path/filename of the file to be copied (or destination of
the file to be saved) on the local host. If no path is specified, the command will look for the
file in the "/exchange" folder.
      --read                    Specifies that this command is to read a file from the remote
host (rather than copy from)
      --remote.file string      The /path/filename of the file to be copied (or destination of
the file to be saved) on the remote host. The remote filename on the target host can be different
```

```
from the filename on your EMS Virtual Appliance. Examples: --remote.file
"c:/workfolder/file20.txt" or --remote.file "/home/myuser/file20.txt"
      --remote.ip string         The IP of the remote host where the file will be copied to/from
      --remote.password string   The password for the remote user that will be used to connect to
the remote host. If the password is not provided here, you will be prompted to enter the password
when running the command.
      --remote.port int          If your SCP client is configured to use a different port than
port 22, use the --remote.port option to specify the port. For example, --remote.port 3022
      --remote.user string       The user that will be used to connect to the remote host. The
user must have write or read permission to folder on the remote host, depending on whether you are
writing to or reading from the remote host.
```

Examples

- **To transfer a file from the EMS Virtual Appliance to a Windows host (with SCP client service installed):**

```
emscli execute scp --remote.ip 172.10.10.10 --remote.user myuser --remote.file
"c:/workfolder/file20.txt" --local.file file10.txt
```

- **To transfer a file (such as hotfix files from Fortinet support or public keys for migration from 7.2) from a Linux host (with SCP client service installed) to the EMS Virtual Appliance:**

```
emscli execute scp --read --remote.ip 172.10.10.10 --remote.user myuser --remote.file
"/home/myuser/file30.txt" --local.file file40.txt
```

To collect EMS log and configuration files for troubleshooting, use the emscli execute diagnostic on page 54 command instead.

See also

- emscli execute - for executing commands on the host
- emscli execute ftp - copies files to/from a remote host using the FTP service
- emscli execute sftp - copies files to/from a remote host using the SFTP service

emscli execute sftp

copies files to/from a remote host using the SFTP service

For security reasons, you cannot freely transfer files from other hosts to EMS Virtual Appliance host using "scp", "ftp", or "sftp". You can only transfer files to/from an EMS Virtual Appliance by running the relevant commands from the EMS Virtual Appliance itself.

Synopsis

`execute sftp` attempts to copy files to or from a remote host using the SFTP service.

If copying from a remote host to the local machine, include the `--read` flag; if copying from the local machine to a remote host, do not include the flag.

Also include:

- the local filepath (or local destination for a remote file) to the `--local.file` flag;
- the remote filepath (or remote destination for a local file) to the `--remote.file` flag, and
- any other --remote flags required to connect.

```
emscli execute sftp [flags]
```

Options

```
  -h, --help                    help for sftp
      --local.file string       The /path/filename of the file to be copied (or destination of
the file to be saved) on the local host. If no path is specified, the command will look for the
file in the "/exchange" folder.
      --read                    Specifies that this command is to read a file from the remote
host (rather than copy from)
      --remote.file string      The /path/filename of the file to be copied (or destination of
the file to be saved) on the remote host. The remote filename on the target host can be different
from the filename on your EMS Virtual Appliance. Examples: --remote.file
"c:/workfolder/file20.txt" or --remote.file "/home/myuser/file20.txt"
      --remote.ip string        The IP of the remote host where the file will be copied to/from
      --remote.password string  The password for the remote user that will be used to connect to
the remote host. If the password is not provided here, you will be prompted to enter the password
when running the command.
      --remote.port int         If your SFTP client is configured to use a different port than
port 22, use the --remote.port option to specify the port. For example, --remote.port 3022
      --remote.user string      The user that will be used to connect to the remote host. The
user must have write or read permission to folder on the remote host, depending on whether you are
writing to or reading from the remote host.
```

Examples

- **To transfer a file from the EMS Virtual Appliance to a Windows host (with SFTP client service installed):**

  ```
  emscli execute sftp --remote.ip 172.10.10.10 --remote.user myuser --remote.file
  "c:/workfolder/file20.txt" --local.file file10.txt
  ```

- **To transfer a file (such as hotfix files from Fortinet support or public keys for migration from 7.2) from a Linux host (with SFTP client service installed) to the EMS Virtual Appliance:**

```
emscli execute sftp --read --remote.ip 172.10.10.10 --remote.user myuser --remote.file
"/home/myuser/file30.txt" --local.file file40.txt
```

To collect EMS log and configuration files for troubleshooting, use the emscli execute diagnostic on page 54 command instead.

See also

- emscli execute - for executing commands on the host
- emscli execute scp - copies files to/from a remote host using the SCP service
- emscli execute ftp - copies files to/from a remote host using the FTP service

emscli execute shutdown

shuts down the host

Synopsis

`execute shutdown` shuts down the host.

```
emscli execute shutdown [flags]
```

Options

```
  -h, --help   help for shutdown
```

See also

- emscli execute - for executing commands on the host
- emscli execute reboot - reboots the host

emscli execute ssh

attempts to access a remote host using the ssh service

Synopsis

`execute ssh` attempts to connect to a remote host using the ssh service.

A remote host IP, port, and user to connect with should be provided to the respective flags.

```
emscli execute ssh [flags]
```

Options

```
  -h, --help                 help for ssh
      --remote.ip string     The IP of the remote host to connect to
      --remote.port int      The port to be used by the remote SSH service. [default: 22]
      --remote.user string   The user that will be used to connect to the remote host
```

See also

- emscli execute - for executing commands on the host

emscli execute ssh-copy-key

copies the ssh public key to a remote host

Synopsis

`execute ssh-copy-key` copies the ssh public key to a remote host.

The remote host IP, user, and a destination file name must all be specified (to the --remote.ip, --remote.user, and --remote.file flags, respectively).

The owner of the current host keys must be specified to the --owner flag.

```
emscli execute ssh-copy-key [flags]
```

Options

```
      --copy.service string      The service that will be used to copy to the remote host
[scp|ftp|sftp] (default "scp")
  -h, --help                     help for ssh-copy-key
      --owner string             The user on the host which owns the authorization keys
      --remote.file string       The intended destination /path/filename for the file on the
remote host.
                                 (For the FTP service, the file location is relative to the FTP
root folder)
```

```
      --remote.ip string         The IP of the remote host where the public key file will be
copied from
      --remote.password string   The password for the remote user that will be used to connect to
the remote host
      --remote.port int          The port to be used by the remote read service. [default: 22]
      --remote.user string       The user that will be used to connect to the remote host
```

See also

- emscli execute - for executing commands on the host

emscli execute ssh-regen-keys

generates (or regenerates, if previously created) SSH host keys

Synopsis

`execute ssh-regen-keys` generates (or regenerates) SSH host keys.

If the current host is not a VM, a current host user that will own the keys must be specified to the --owner flag.

```
emscli execute ssh-regen-keys [flags]
```

Options

```
  -h, --help           help for ssh-regen-keys
      --owner string   The user on the host which will be the owner of the authorization keys
```

See also

- emscli execute - for executing commands on the host

emscli execute time

retrieves, updates, or synchronizes the host's time

Synopsis

`emscli execute time` interacts with the host's time settings.

Running the command with no arguments will return the current time.

Running the command and passing a 24-hour time (of the format HH:MM:SS) will attempt to update the host's time to the provided time. If the host is synchronized with a time protocol other than NTP, the time will not be updated. If the time is successfully updated, host synchronization with the network will be disabled.

Passing the `synch` argument will attempt to synchronize the host's time with the network time.

```
emscli execute time [synch|HH:MM:SS] [flags]
```

Options

```
  -h, --help   help for time
```

See also

- emscli execute - for executing commands on the host
- emscli execute timezone - for managing the host's timezone
- emscli execute date - retrieves, updates, or synchronizes the host's date

emscli execute timezone get

retrieves the host's timezone

Synopsis

`execute timezone get` returns the host's timezone.

```
emscli execute timezone get [flags]
```

Options

```
  -h, --help   help for get
```

See also

- emscli execute timezone - for managing the host's timezone
- emscli execute time - retrieves, updates, or synchronizes the host's time
- emscli execute date - retrieves, updates, or synchronizes the host's date

emscli execute timezone list

lists available timezones

Synopsis

`execute timezone list` returns a list of timezone names.

A filter string may be passed to this command, in which case only the timezone names containing the filter string (case-insensitive) will be returned.

If no filter string is passed, *all* timezone names will be returned.

```
emscli execute timezone list [filter] [flags]
```

Options

```
  -h, --help   help for list
```

See also

- emscli execute timezone - for managing the host's timezone

emscli execute timezone set

sets the host's timezone

Synopsis

`execute timezone set` sets the host's timezone.

Pass the name of the timezone to the command without the use of flags.

See the `execute timezone list` command if you need to find the name of a timezone.

```
emscli execute timezone set [timezone name] [flags]
```

Options

```
  -h, --help   help for set
```

See also

- emscli execute timezone - for managing the host's timezone
- emscli execute timezone get - retrieves the host's timezone

emscli execute timezone

for managing the host's timezone

Options

```
  -h, --help   help for timezone
```

See also

- emscli execute - for executing commands on the host
- emscli execute time - retrieves, updates, or synchronizes the host's time
- emscli execute date - retrieves, updates, or synchronizes the host's date
- emscli execute timezone get - retrieves the host's timezone
- emscli execute timezone list - lists available timezones
- emscli execute timezone set - sets the host's timezone

emscli execute top

functions identically to Linux 'top'; displays info of host processes

Synopsis

Arguments to `top` used on Linux can be passed as flags to this command after specifying "--" by itself.
Example: `execute top -- --pid=1234,5678`

```
emscli execute top [option...] [flags]
```

Options

```
  -h, --help   help for top
```

See also

- emscli execute - for executing commands on the host

emscli execute traceroute

Runs a traceroute from the current host to another

```
emscli execute traceroute [flags]
```

Options

```
  -h, --help   help for traceroute
```

See also

- emscli execute - for executing commands on the host

emscli execute upgrade ems

Upgrades EMS

Synopsis

`execute upgrade ems` upgrades ems installation.

The ems installation file must be provided using either `--local.file` or `--remote.file` flag.

```
emscli execute upgrade ems [flags]
```

Options

```
      --copy.service string      The service to be used to copy files from the remote host
[scp|ftp|sftp] (default "scp")
  -h, --help                     help for ems
      --local.file string        The path and file name of the local installer file to be read for
installation
      --remote.file string       The path and file name on the remote host from which the
installer binary will be copied. The remote user must have write access to this location.
                                 (For the FTP service, the file location is relative to the FTP
root folder).
```

```
      --remote.ip string         The IP of the remote host where the install file will be copied
from.
      --remote.password string   The password for the remote user that will be used to connect to
the remote host.
      --remote.port int          The port to be used by the remote copy service. [default: 22 for
SCP/SFTP, 21 for FTP]
      --remote.user string       The user that will be used to connect to the remote host.
```

See also

- emscli execute upgrade - Upgrade [package|ems]

emscli execute upgrade

Upgrade [package|ems]

Options

```
  -h, --help   help for upgrade
```

See also

- emscli execute - for executing commands on the host
- emscli execute upgrade ems - Upgrades EMS

emscli feature

used to manage EMS features from System Settings -> Feature Select

Options

```
  -h, --help   help for feature
```

See also

- emscli feature get - for retrieving the current status of a feature or features
- emscli feature set - for making changes to a feature or features

emscli feature get

for retrieving the current status of a feature or features

Synopsis

`feature get` retrieves the current status of a feature(s).

The status of all features can be retrieved at once using `--all` option or multiple specific features can be returned by using the `--name` or just providing the feature name one after the other as arguments

```
emscli feature get [flags]
```

Options

```
      --all           get the status of all features
  -h, --help          help for get
      --name string   name of the features to get. Multiple feature names can be provided,
separated by comma (e.g. ztna,vpn,forensics)
      --site string   name of the site (e.g. default, site1, sitea) (default "default")
```

See also

- emscli feature on page 73 - used to manage EMS features from System Settings -> Feature Select

emscli feature set

for making changes to a feature or features

```
emscli feature set [flags]
```

Options

```
      --all           to change the status of all features
      --disable       disables a feature(s)
      --enable        enables a feature(s)
  -h, --help          help for set
      --name string   name of the features to get. Multiple feature names can be provided,
separated by comma (e.g. ztna,vpn,forensics)
      --site string   name of the site (e.g. default, site1, sitea) (default "default")
```

See also

- emscli feature - used to manage EMS features from System Settings -> Feature Select

emscli fds

for managing FDS (FortiGuard Distribution Servers) services

Options

```
  -h, --help   help for fds
```

See also

- emscli fds fctinstallers on page 75 - gets the FortiClient installers for repackaging
- emscli fds update - starts a full FDS update with debug logs

emscli fds fctinstallers

Get the FCT installers for repackaging

Synopsis

`fds fctinstallers` get the FCT installers for repackaging.

```
emscli fds fctinstallers [flags]
```

Options

```
  -h, --help   help for fctinstallers
```

See also

- emscli fds on page 75 - for managing FDS (FortiGuard Distribution Servers) services
- emscli fds update on page 76 - starts a full FDS update with debug logs

emscli fds update

starts a full FDS update with debug logs

Synopsis

`fds update` starts a full FDS update with debug logs.

```
emscli fds update [flags]
```

Options

```
  -h, --help   help for update
```

See also

- emscli fds - for managing FDS (FortiGuard Distribution Servers) services
- emscli fds fctinstallers on page 75 - gets the FortiClient installers for repackaging

emscli ha

for checking and managing EMS High Availability parameters

Options

```
  -h, --help   help for ha
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- emscli ha get - for retrieving a specific HA parameter
- emscli ha set - for setting an alias for this EMS HA node

emscli ha get

for retrieving a specific HA parameter

Options

```
  -h, --help   help for get
```

See also

- emscli ha - for checking and managing EMS High Availability parameters
- emscli ha get nodes - returns a list of the EMS nodes of the current cluster. This also returns a list DB nodes even if EMS itself is not part of a cluster
- emscli ha get status - indicates whether this is an EMS cluster or not.

emscli ha get nodes

returns a list of the EMS nodes of the current cluster. This also returns a list DB nodes even if EMS itself is not part of a cluster

Synopsis

Queries for the nodes in the current EMS cluster and returns a list with the information on those nodes, their current status and role. This also provides a list of the database nodes and their role and latency

```
emscli ha get nodes [flags]
```

Options

```
  -h, --help   help for nodes
```

See also

- emscli ha get - for retrieving a specific HA parameter
- emscli ha get status - indicates whether this is an EMS cluster or not.

emscli ha get status

indicates whether this is an EMS cluster or not.

Synopsis

Checks whether this is an HA cluster or not by indicating the HA status as enabled/disabled. Enabled means this is a cluster there are at least two nodes. Disabled means

```
emscli ha get status [flags]
```

Options

```
  -h, --help   help for status
```

See also

- emscli ha get - for retrieving a specific HA parameter
- emscli ha get nodes - returns a list of the EMS nodes of the current cluster. This also returns a list DB nodes even if EMS itself is not part of a cluster

emscli ha set

for setting an alias for this EMS HA node

Options

```
  -h, --help   help for set
```

See also

- emscli ha - for checking and managing EMS High Availability parameters
- emscli ha set alias - setting an alias for this EMS HA node.

emscli ha set alias

setting an alias for this EMS HA node.

Synopsis

Set an alias for this HA EMS node. If not defined, hostname is displayed as the name for this EMS node.

```
emscli ha set alias [flags]
```

Options

```
  -h, --help   help for alias
```

See also

- emscli ha set - for setting an alias for this EMS HA node

emscli redirect

redirects an EMS instance to access a different EMS DB, for example, you can switch from a local DB to a remote DB or from one remote DB to another remote DB

```
emscli redirect [flags]
```

Options

```
      --db_connection_pool_mode string   The connection pool mode of the target remote database.
Accepted values: low|medium|high
      --db_host string                   The target remote database IP
      --db_hosts string                  Comma-separated list of IP:PORT pairs for DB cluster
nodes. Examples: --db_hosts 10.0.0.5:5432 or --db_hosts 10.0.0.5:5432,10.0.0.6,10.0.0.8:5434,...
      --db_pass string                   The target remote database password
      --db_port string                   The target remote database port
      --db_preferred_dcs string          The preferred data centers for EMS ha node (Optional),
used together with --db_hosts. Examples: "--db_
hosts="10.0.0.5:5432@Dc1,10.0.0.6:5636@Dc2,10.0.0.8:5434@Dc3,..." so --db_preferred_dcs Dc1,Dc2.
      --db_prefix string                 The target remote database prefix
      --db_user string                   The target remote database user
      --debug                            Executes the 'direct' command in debug mode
  -h, --help                             help for redirect
      --is_paas                          Specifies if the EMS instance is being redirected to a
PAAS target remote DB server (e.g. Azure, AWS)
      --is_primary_node                  Specifies if the EMS instance will be the primary node in
an EMS cluster after redirection to the target remote DB (or standalone if the target remote
PostgreSQL server does not have any EMS DB deployed).
      --is_secondary_node                Specifies if the EMS instance will be the secondary node
in an EMS cluster after redirection to the target remote DB
      --yes                              Executes the 'direct' command in non-interactive mode
```

DB redirect behavior

The following table elaborates DB redirection behavior based on the primary and secondary node setting and current and target remote EMS DB version.

	--is_primary_node --yes	--is_secondary_node --yes
Same EMS version for target remote DB and current EMS DB	Redirect EMS instance to target remote DB with no upgrade. EMS instance will be the primary node.	Redirect EMS instance to target remote DB with no upgrade. EMS instance will be a secondary node.
Target remote DB has an older EMS version than current EMS DB	Upgrade target remote EMS DB version and redirect EMS instance to it.	The command exits with no upgrade on target remote DB and no redirection.
Target remote DB has a newer EMS version than current EMS DB	The command exits with no redirection.	
No EMS DB is installed on target remote DB server	Deploy EMS DB on target remote DB server and redirect EMS instance to it. EMS instance will be a standalone.	The command exits with no EMS DB deployment on target remote DB server and no redirection.

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS

emscli service

for querying and managing the statuses and log levels of EMS services

Options

```
  -h, --help   help for service
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- emscli service disable-debug - command to disable debug logging for a service(s)
- emscli service enable-debug - command to enable debug logging for a service(s)

- emscli service get - command to retrieve information about a service(s)
- emscli service log - command to retrieve the latest log(s) for a service(s)
- emscli service restart - command to restart a service(s)
- emscli service start - command to start a service(s)
- emscli service stop - command to stop a service(s)

emscli service disable-debug

command to disable debug logging for a service(s)

Synopsis

`service disable-debug` disables debug logging for the named service(s).

Provide the name(s) of the services you wish to disable debug logs for to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service disable-debug [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_
ka|fcems_monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_
tag|fcems_chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_
dbop|fcems_adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_
forensics|fcems_ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Disables debug logging for all EMS services
  -h, --help          help for disable-debug
      --name string   Disables debug logging for the named service(s). Multiple services may be
specified (as a comma-separated list without spaces)
```

See also

- emscli service - for querying and managing the statuses and log levels of EMS services

emscli service enable-debug

command to enable debug logging for a service(s)

Synopsis

`service enable-debug` enables debug logging for the named service(s).

Provide the name(s) of the services you wish to enable debug logs for to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service enable-debug [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_
ka|fcems_monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_
tag|fcems_chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_
dbop|fcems_adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_
forensics|fcems_ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Enables debug logging for all EMS services
  -h, --help          help for enable-debug
      --name string   Enables debug logging for the named service(s). Multiple services may be
specified (as a comma-separated list without spaces)
```

See also

- emscli service - for querying and managing the statuses and log levels of EMS services

emscli service get

command to retrieve information about a service(s)

Synopsis

`service get` retrieves information about a service(s).

Provide the name(s) of the services you wish to retrieve information for to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service get [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_ka|fcems_
monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_tag|fcems_
chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_dbop|fcems_
adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_forensics|fcems_
ftntdbimporter|fcems_
```

```
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Returns information for all EMS services
      --describe      Returns the description(s) of the service(s)
  -h, --help          help for get
      --name string   Returns information about the named service(s). Multiple services may be
specified (as a comma-separated list without spaces)
```

See also

- emscli service - for querying and managing the statuses and log levels of EMS services

emscli service log

command to retrieve the latest log(s) for a service(s)

Synopsis

`service log` prints the latest log(s) for a service(s).

Provide the name(s) of the services you wish to retrieve logs for to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

To filter returned log messages to only include messages containing a particular string, pass that string to the `--filter` flag.

The `--filter` flag can also filter on regex patterns; use the `--regex` flag if you would like it to be parsed as extended regex.

```
emscli service log [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_ka|fcems_
monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_tag|fcems_
chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_dbop|fcems_
adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_forensics|fcems_
ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all             Returns the most recent log(s) for all EMS service(s)
      --filter string   Results will be filtered to only display lines containing a provided
string. Grep-based regex is supported
      --follow          Monitors the named log file(s) and prints any new log messages as soon as
they are added
  -h, --help            help for log
      --ignore-case     Expands the filtered results to also contain case-insensitive matches
      --name string     Returns the most recent log(s) for the named service(s). Multiple services
may be specified (as a comma-separated list without spaces)
      --regex           Parses the string passed to the --filter flag using extended regex (rather
than basic regex)
```

See also

- emscli service - for querying and managing the statuses and log levels of EMS services

emscli service restart

command to restart a service(s)

Synopsis

`service restart` restarts the named service(s).

Provide the name(s) of the services you wish to restart to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service restart [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_ka|fcems_
monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_tag|fcems_
chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_dbop|fcems_
adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_forensics|fcems_
ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Restarts all EMS services
  -h, --help          help for restart
```

```
      --name string   Restarts the named service(s). Multiple services may be specified (as a
comma-separated list without spaces)
```

See also

- emscli service - for querying and managing the statuses and log levels of EMS services

emscli service start

command to start a service(s)

Synopsis

`service start` starts the named service(s).

Provide the name(s) of the services you wish to start to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service start [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_ka|fcems_
monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_tag|fcems_
chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_dbop|fcems_
adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_forensics|fcems_
ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Starts all EMS services
  -h, --help          help for start
      --name string   Starts the named service(s). Multiple services may be specified (as a comma-
separated list without spaces)
```

See also

- emscli service - for querying and managing the statuses and log levels of EMS services

emscli service stop

command to stop a service(s)

Synopsis

`service stop` stops the named service(s).

Provide the name(s) of the services you wish to stop to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service stop [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_ka|fcems_
monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_tag|fcems_
chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_dbop|fcems_
adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_forensics|fcems_
ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Stops all EMS services
  -h, --help          help for stop
      --name string   Stops the named service(s). Multiple services may be specified (as a comma-
separated list without spaces)
```

See also

- emscli service - for querying and managing the statuses and log levels of EMS services

emscli system

for querying and updating system parameters on the machine where EMS is installed

Options

```
  -h, --help   help for system
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- emscli system get - for retrieving a specific system parameter

- emscli system set - for setting a specific system parameter
- emscli system unset - for unsetting a specific system parameter

emscli system get

for retrieving a specific system parameter

Options

```
  -h, --help   help for get
```

See also

- emscli system - for querying and updating system parameters on the machine where EMS is installed
- emscli system set - for setting a specific system parameter
- emscli system get info - command to retrieve general system info and resource details of the EMS machine
- emscli system get network - for getting a specific network parameter

emscli system get info

Command to retrieve general system info and resource details of the EMS machine.

Synopsis

`system get info` retrieves general system information about the EMS machine.

Specify the information to be retrieved (ems, fips, os, kernel, ram, cpu, disk, ip, all) without flags.

Passing no arguments, or passing `all` as an argument, functions identically to passing the --all flag.

```
emscli system get info [ems|fips|os|kernel|ram|cpu|disk|ip|hostname|airgap|all] [flags]
```

Options

```
      --all    Retrieves all system info
  -h, --help   help for info
```

See also

- emscli system get - for retrieving a specific system parameter
- emscli system set - for setting a specific system parameter
- emscli system unset - for unsetting a specific system parameter

emscli system get network

for getting a specific network parameter

Options

```
  -h, --help   help for network
```

See also

- emscli system get - for retrieving a specific system parameter
- emscli system get network domain - command to get dns search domains

emscli system get network domain

command to get dns search domains

Synopsis

`system get network domain` gets dns search domain for one or all network adapters on the host

```
emscli system get network domain [flags]
```

Options

```
      --adapter string   Name of the adapter to show search dns domains
      --all              To show search dns domains of all adapters
  -h, --help             help for domain
```

See also

- emscli system get network - for getting a specific network parameter
- emscli system set network - for setting a specific network parameter

emscli system set

for setting a specific system parameter

Options

```
  -h, --help   help for set
```

See also

- emscli system - for querying and updating system parameters on the machine where EMS is installed
- emscli system get - for retrieving a specific system parameter
- emscli system set airgapped - command to set this EMS instance/cluster as air-gapped. Air-gapped EMS are instances that do not have access to the internet to access Fortinet services.
- emscli system set hostname - command to set system hostname
- emscli system set network - for setting a specific network parameter
- emscli system set proxy on page 92 - sets a HTTP/HTTPs proxy system wide

emscli system set airgapped

command to set this EMS instance/cluster as air-gapped. Air-gapped EMS are instances that do not have access to the internet to access Fortinet services.

Synopsis

`system set airgapped` sets the EMS instance/cluster as air-gapped.

```
emscli system set airgapped [flags]
```

Options

```
  -h, --help   help for airgapped
```

See also

- emscli system set - for setting a specific system parameter

emscli system set hostname

command to set system hostname

Synopsis

`system set hostname` changes the hostname of the system

The new hostname will be automatically updated on EMS database after some seconds

```
emscli system set hostname [flags]
```

Options

```
  -h, --help   help for hostname
```

See also

- emscli system set - for setting a specific system parameter
- emscli system set network - for setting a specific network parameter

emscli system set network

for setting a specific network parameter

Options

```
  -h, --help   help for network
```

See also

- emscli system set - for setting a specific system parameter
- emscli system set hostname - command to set system hostname
- emscli system set airgapped - command to set this EMS instance/cluster as air-gapped. Air-gapped EMS are instances that do not have access to the internet to access Fortinet services.
- emscli system set network domain - command to set dns search domains
- emscli system set network ip - command to set a static/dynamic IP on the network adapter

emscli system set network domain

command to set dns search domains

Synopsis

`system set network domain` sets dns search domain for one or all network adapters on the host

```
emscli system set network domain [flags]
```

Options

```
      --adapter string   The name of the ethernet adapter to be configured
      --add string       A comma-separated list (without spaces) of search dns domains to be added
to the adapter configuration
      --all              Configures search dns domains to all adapters
      --delete string    A comma-separated list (without spaces) of search dns domains to be
removed to the adapter configuration
  -h, --help             help for domain
```

See also

- emscli system set network - for setting a specific network parameter
- emscli system set network ip - command to set a static/dynamic IP on the network adapter

emscli system set network ip

command to set a static/dynamic IP on the network adapter

Synopsis

`system set network ip` sets a static or dynamic IP on the network adapter.

The adapter name to set the IP on must be passed to the --adapter flag.

If the --dynamic flag is not specified, all three of the --ip, --gateway, and --dns flags must be specified.

To reset any previous DNS configuration, pass the --reset.dns and --dynamic flags together.

```
emscli system set network ip [flags]
```

Options

```
      --adapter string   The name of the ethernet adapter to be configured
      --add.ip           Adds the ip address to the adapter configuration
      --dns string       Configures the network adapter IP to use a specified preferred DNS
server. Separate multiple DNS servers with comma. For example, dnsserver1,dnsserver2.
      --dynamic          Configures the network adapter to use a dynamic IP assigned by DHCP
      --gateway string   Configures the network adapter to use a specified network gateway
  -h, --help             help for ip
      --ip string        Configures the network adapter to use a specified static IP address and
subnet mask
      --remove.ip        Removes the ip address to the adapter cofiguration
      --reset.dns        If configuring the adapter to use a dynamic IP (--dynamic), resets any
previous DNS configuration
```

See also

- emscli system set network - for setting a specific network parameter
- emscli system set network domain - command to set dns search domains

emscli system set proxy

sets a HTTP/HTTPs proxy system wide

```
emscli system set proxy [flags]
```

Options

```
  -h, --help              help for proxy
      --password string   The password for the user to authenticate on the proxy. If empty, and --
user is provided, there will be a prompt for the password.
      --skip.services     By default, proxy settings will also be applied to systemd services.
Using this flag will skip and leave those services without proxy setting.
      --url string        The URL for the proxy. It must be a valid URL that includes the
protocol/schema, e.g. http://myproxy.io:3128/
      --user string       The username to authenticate on the proxy server. Only required to be
used if the proxy requires authentication.
```

See also

- emscli system set on page 89 - for setting a specific system parameter

emscli system unset

for unsetting a specific system parameter

Options

```
  -h, --help   help for unset
```

See also

- emscli system - for querying and updating system parameters on the machine where EMS is installed
- emscli system get - for retrieving a specific system parameter
- emscli system set - for setting a specific system parameter
- emscli system unset airgapped - command to set this EMS instance/cluster as NOT air-gapped
- emscli system unset proxy on page 94 - unsets proxy settings

emscli system unset airgapped

command to set this EMS instance/cluster as NOT air-gapped.

Synopsis

`system unset airgapped` sets the EMS instance/cluster as NOT air-gapped.

```
emscli system unset airgapped [flags]
```

Options

```
  -h, --help   help for airgapped
```

See also

- emscli system unset - for unsetting a specific system parameter
- emscli system set airgapped - command to set this EMS instance/cluster as air-gapped. Air-gapped EMS are instances that do not have access to the internet to access Fortinet services.

emscli system unset proxy

command to unset proxy settings.

Synopsis

`system unset proxy` removes proxy settings previous set in the environment.

```
emscli system unset proxy [flags]
```

Options

```
  -h, --help   help for proxy
```

See also

- emscli system unset on page 93 - for unsetting a specific system parameter

Commands for EMS virtual appliance template installation

The following sections describe commands that are available if your EMS is a virtual appliance installation.

emscli

EMS CLI - a tool for viewing and updating information about EMS

Synopsis

EMS CLI, short for 'command line interface', is a convenient tool for viewing and updating information about EMS.

```
[flags]
```

Options

```
  -h, --help   help for emscli
```

See also

- cache - for querying the contents of the DAS cache
- config - for querying and updating EMS config files
- container - execut commands for containerized EMS
- db - attempts to connect to the EMS DB using psql
- diag - for troubleshooting issues with particular endpoints
- execute - for executing commands on the host
- fds - for managing FDS (FortiGuard Distribution Servers) services
- ha - for checking and managing EMS High Availability parameters
- redirect - redirects an EMS instance to access a remote EMS DB instead of the local DB
- service - for querying and managing the statuses and log levels of EMS services
- system - for querying and updating system parameters on the machine where EMS is installed

cache

for querying the contents of the DAS cache

Options

```
  -h, --help   help for cache
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- cache get - retrieves data from the DAS cache

cache get

retrieves data from the DAS cache

Synopsis

`cache get` returns data from the DAS cache matching the provided model and ID using the specified database (DB). If no DB is specified, FCM_default is used. The `--model` and `--id` flags are mandatory and the user must specify them.

```
cache get [flags]
```

Options

```
      --db string      The name of the DB to connect to. Must be prefixed with fcm_ for vdom dbs
      --format         Prints the response json in pretty format
  -h, --help           help for get
      --id string      The ID of the object to retrieve from the DAS cache
      --model string   The name of the DAS model (generic, fct, users, devices) to query
```

See also

- cache - for querying the contents of the DAS cache

config

for querying and updating EMS config files

Options

```
-h, --help   help for config
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- config get - for retrieving information from a specific EMS config file
- config reset-admin - resets the EMS administrator password using the EMS password recovery tool
- config set - for updating information in a specific EMS config file
- config unset - for updating specific config file values back to default values

config get

for retrieving information from a specific EMS config file

Options

```
-h, --help   help for get
```

See also

- config - for querying and updating EMS config files
- config set - for updating information in a specific EMS config file
- config unset - for updating specific config file values back to default values
- config get autoupgrade - command to retrieve specific autoupgrade configuration values
- config get console - command to retrieve specific console configuration values
- config get db - command to retrieve specific EMS DB configuration values
- config get ec on page 99 - retrieves specific service configuration values
- config get events - command to retrieve specific events configuration values
- config get fds on page 100 - retrieves specific fds configuration values
- config get fos on page 101 - retrieves FortiOS specific configuration

- config get invitation - command to retrieve specific invitation configuration values (EMS cloud instances only)
- config get mdm - Retrieves mdm specific configuration
- config get mpmworker - Retrieves mpm_worker specific config.
- config get upload on page 104 - retrieves specific upload configuration values
- config get ztna - Retrieves ZTNA specific config

config get autoupgrade

command to retrieve specific autoupgrade configuration values

Synopsis

`config get autoupgrade` retrieves the value(s) of the specified setting(s) from the autoupgrade configuration.

A minimum of one (1) configuration setting to retrieve must be specified. If specifying multiple settings, separate each with a single space.

```
config get autoupgrade [enable|limit.days] [flags]
```

Options

```
  -h, --help   help for autoupgrade
```

See also

- config get - for retrieving information from a specific EMS config file
- config set autoupgrade - command to set specific autoupgrade configuration values

config get console

command to retrieve specific console configuration values

Synopsis

`config get console` retrieves the value(s) of the specified setting(s) from the console configuration.

A minimum of one (1) configuration setting to retrieve must be specified. If specifying multiple settings, separate each with a single space.

```
emscli config get console
[allowed.hosts|http.port|https.port|fileserver.port|remote.access|server.threads|server.processes]
[flags]
```

Options

```
  -h, --help   help for console
```

See also

- config get on page 97 - for retrieving information from a specific EMS config file

config get db

command to retrieve specific EMS DB configuration values

Synopsis

`config get db` retrieves the value(s) of the specified setting(s) from the EMS DB configuration.

A minimum of one (1) configuration setting to retrieve must be specified. If specifying multiple settings, separate each with a single space.

```
config get db [db.user|db.host|db.port|db.password|db.connection_pool_mode|db.hosts|db.preferred_
dcs] [flags]
```

Options

```
  -h, --help   help for db
```

See also

- config get - for retrieving information from a specific EMS config file

config get ec

command to retrieve specific service configuration values

```
emscli config get ec [flags]
```

Options

```
  -h, --help             help for ec
      --service string   Service to retrieve status of
```

See also

- config get - for retrieving information from a specific EMS config file

config get events

command to retrieve specific events configuration values

Synopsis

`config get events` retrieves the value(s) of the specified setting(s) from the events configuration.

A minimum of one (1) configuration setting to retrieve must be specified. If specifying multiple settings, separate each with a single space.

```
config get events
[enable.feature|es.user|es.hosts|es.cert|es.password|es.key|enable.event.queue|enable.es.queue|use
.db.prefix] [flags]
```

Options

```
  -h, --help   help for events
```

See also

- config get - for retrieving information from a specific EMS config file

config get fds

command to retrieve specific fds configuration values

Synopsis

`config get fds` retrieves the value(s) of the specified setting(s) from the console configuration.

```
emscli config get fds [flags]
```

Options

```
  -h, --help   help for fds
```

See also

- config get - for retrieving information from a specific EMS config file

config get fos

Retrieves FOS specific configuration

```
emscli config get fos
[sysinfo.window|tags.window|tags.definition.window|secpos.window|crl.window|update.interval|ping.i
nterval|pong.interval|log.interval] [flags]
```

Options

```
  -h, --help   help for fos
```

See also

- config get - for retrieving information from a specific EMS config file

config get installer

command to retrieve specific installer configuration values

Synopsis

`config get installer` retrieves the value(s) of the specified setting(s) from the console configuration.

```
config get installer [flags]
```

Options

```
  -h, --help   help for installer
```

See also

- config get - for retrieving information from a specific EMS config file

config get invitation

command to retrieve specific invitation configuration values (EMS cloud instances only)

Synopsis

`config get invitation` retrieves the value(s) of the specified setting(s) from the console configuration (EMS cloud instances only).

```
config get invitation [enable.v2] [flags]
```

Options

```
  -h, --help   help for invitation
```

See also

- config get - for retrieving information from a specific EMS config file
- config set invitation - command to set specific invitation configuration vaules (EMS cloud instances only)

config get mdm

Retrieves mdm specific configuration

```
config get mdm [scep.publichostname|ems.url|ems.port] [flags]
```

Options

```
  -h, --help   help for mdm
```

See also

- config get - for retrieving information from a specific EMS config file
- config set mdm - Sets mdm specific configuration

config get mpmworker

Retrieves mpm_worker specific config.

```
config get mpmworker [(thread.limit|tl)|(threads.per.child|tpc)|(max.req.workers|mrw)] [flags]
```

Options

```
  -h, --help   help for mpmworker
```

See also

- config get - for retrieving information from a specific EMS config file
- config get mpmworker - Sets the specified Apache MPM Worker config from the specified arguments and values.

config get perfmon

command to retrieve spepcifc perfmon configuration values

```
config get perfmon [enabled] [flags]
```

Options

```
  -h, --help   help for perfmon
```

See also

- config get - for retrieving information from a specific EMS config file

config get snmp

Retrieves SNMP specific configuration

```
config get snmp [enabled|snmp.host|snmp.community] [flags]
```

Options

```
  -h, --help   help for snmp
```

See also

- config get - for retrieving information from a specific EMS config file

config get upload

command to retrieve specific upload configuration values

Synopsis

`upload get types` retrieves list of upload types that are enabled

```
emscli config get upload [types] [flags]
```

Options

```
  -h, --help   help for upload
```

See also

- config get - for retrieving information from a specific EMS config file

config get ztna

Retrieves ZTNA specific config

```
config get ztna [ (request.limit|rl) | (enable.cache|ec) | (zip.api|za) | (debug.sysinfo|ds) |
(debug.uidtags|dut) | (debug.tags|dt) | (debug.uids|uids) | (debug.fgtsns|sns) ] [flags]
```

Options

```
  -h, --help   help for ztna
```

See also

- config get - for retrieving information from a specific EMS config file
- config set ztna - Sets the specified ZTNA config from the specified arguments and values

config reset-admin

resets the EMS administrator password using the EMS password recovery tool

Synopsis

`config reset-admin` resets the EMS administrator password, using the EMS password recovery tool to do so.

```
config reset-admin [flags]
```

Options

```
  -h, --help   help for reset-admin
```

See also

- config - for querying and updating EMS config files

config set

for updating information in a specific EMS config file

Options

```
  -h, --help   help for set
```

See also

- config - for querying and updating EMS config files
- config get - for retrieving information from a specific EMS config file
- config get - for updating specific config file values back to default values
- config set autoupgrade - command to set specific autoupgrade configuration values
- config set console - command to set specific webserver console configuration values

- config set db - command to set specific EMS DB configuration values
- config set ec on page 108 - enables / disables grpc services
- config set events - command to set specific events configuration values
- config set fds on page 109 - sets specific fds configuration values
- config set fos on page 110 - sets the FortiOS config from the specified flags
- config set invitation - command to set specific invitation configuration vaules (EMS cloud instances only)
- config set mdm - Sets mdm specific configuration
- config set mpmworker - Sets the specified Apache MPM Worker config from the specified arguments and values.
- config set upload on page 113 - enables / disables upload types
- config set ztna - Sets the specified ZTNA config from the specified arguments and values

config set autoupgrade

command to set specific autoupgrade configuration values

Synopsis

`config set autoupgrade` sets the value(s) of the specified setting(s) in the autoupgrade configuration.

Multiple flags may be specified.

```
config set autoupgrade [flags]
```

Options

```
      --enable           Enables the auto-upgrade feature. Accepted values: true|false (default
true). For example, --enable="false"
  -h, --help             help for autoupgrade
      --limit.days int   Number of days to limit the EMS auto-upgrade to
```

See also

- config set - for updating information in a specific EMS config file
- config get autoupgrade - command to retrieve specific autoupgrade configuration values

config set console

command to set specific webserver console configuration values

Synopsis

`config set console` sets the value(s) of the specified setting(s) in the webserver console configuration.

Multiple flags may be specified.

```
emscli config set console [flags]
```

Options

```
      --allowed.hosts string   A comma-separated list (without spaces) of host addresses with
which the EMS console can be accessed
      --enable.remote.access   Enables remote https access to the EMS console. Accepted values:
true|false. For example, --enable.remote.access="false"
      --fileserver.port int    The fileserver port for the EMS console (default 10443)
  -h, --help                   help for console
      --http.port int          The http port for the EMS console (default 80)
      --https.port int         The https port for the EMS console (default 443)
      --server.processes int   The number of processes for WSGI daemon (default 1)
      --server.threads int     The number of threads for WSGI daemon processes (default 150)
```

See also

- config set on page 105 - for updating information in a specific EMS config file

config set db

command to set specific EMS DB configuration values

Synopsis

`config set db` sets the value(s) of the specified setting(s) in the EMS DB configuration.

Multiple flags may be specified.

If you wish to set the value(s) of a particular setting(s) back to their default(s), use the `config unset db` command.

```
config set db [flags]
```

Options

```
      --db.connection_pool_mode string   The database connection pool mode. Accepted values:
low|medium|high
```

```
      --db.host string                  The database host
      --db.hosts string                 Comma-separated list of IP:PORT@DCS pairs for DB cluster
nodes. Examples: --db_hosts="10.0.0.5:5432" or --db_
hosts="10.0.0.5:5432,10.0.0.6,10.0.0.8:5434,..." or --db_
hosts="10.0.0.5:5432@Dc1,10.0.0.6:5636@Dc1,10.0.0.8:5434@Dc3,..."
      --db.password string              The database password
      --db.port string                  The database port
      --db.preferred_dcs string         The preferred data centers for EMS ha node (Optional),
used together with --db.hosts. Examples: "--db_
hosts="10.0.0.5:5432@Dc1,10.0.0.6:5636@Dc2,10.0.0.8:5434@Dc3,..." so --db.preferred_dcs Dc1,Dc2.
      --db.prefix string                The database prefix
      --db.user string                  The database user
  -h, --help                            help for db
```

See also

- config set - for updating information in a specific EMS config file

config set ec

Enable / disable grpc services

```
emscli config set ec [flags]
```

Options

```
      --disable          Disable passed services (comma separate string with no spaces)
      --enable           Enables passed services (comma separate string with no spaces)
  -h, --help             help for ec
      --remove.resp      Remove the custom response for the passed service
      --resp string      Default response for passed service
      --service string   Services to enable / disable
```

See also

- config set - for updating information in a specific EMS config file

config set events

command to set specific events configuration values

Synopsis

`config set events` sets the value(s) of the specified setting(s) in the events configuration.

Multiple flags may be specified.

```
config set events [flags]
```

Options

```
      --enable.es.queue string      Enables the elasticsearch queue. Accepted values: true|false
      --enable.event.queue string   Enables the event queue. Accepted values: true|false
      --enable.feature              Enables the endpoint events feature. Accepted values:
true|false (default true)
      --es.cert string              The path to the elasticsearch CA cert
      --es.hosts string             The elasticsearch host
      --es.key string               The elasticsearch API key
      --es.password string          The elasticsearch account password
      --es.user string              The elasticsearch user
  -h, --help                        help for events
      --use.db.prefix               Enable the use of the DB prefix as a prefix for the ES indices
(default true)
```

See also

- config set - for updating information in a specific EMS config file

config set fds

command to set specific fds configuration values

Synopsis

`config set fds` sets the value(s) of the specified setting(s) in the fds configuration

```
emscli config set fds [flags]
```

Options

```
  -h, --help   help for fds
```

See also

- config set - for updating information in a specific EMS config file

config set fos

Sets the FOS config from the specified flags

```
emscli config set fos [flags]
```

Options

```
      --crl.window int               Max notification window duration for CRL API in seconds
  -h, --help                         help for fos
      --log.interval int             How often to print out FGT connection logs in seconds
      --ping.interval int            Ping interval in seconds
      --pong.interval int            Pong interval in seconds
      --secpos.window int            Max notification window duration for security posture API in
seconds
      --sysinfo.window int           Max notification window duration for sysinfo API in seconds
      --tags.definition.window int   Max notification window duration for tags definition API in
seconds
      --tags.window int              Max notification window duration for tags API in seconds
      --update.interval int          Notification window update interval in milliseconds
```

See also

- config set - for updating information in a specific EMS config file

config set installer

command to set specific installer configuration values

Synopsis

`config set installer` sets the value(s) of the specified setting(s) in the installer configuration

```
config set installer [flags]
```

Options

```
      --ems_installer.max_delay int   max delay for downloading EMS installers (for autoupgrade)
  -h, --help                          help for installer
      --source string                 source of FCT base installer (fds|cloud) (default "fds")
```

See also

- config set - for updating information in a specific EMS config file

config set invitation

command to set specific invitation configuration vaules (EMS cloud instances only)

Synopsis

`config set invitation` sets the value(s) of the specified setting(s) in the invitation configuration (EMS cloud instances only).

```
config set invitation [flags]
```

Options

```
      --enable.v2   Enable the invitation type v2. Values true|false default(true) (default true)
  -h, --help        help for invitation
```

See also

- config set - for updating information in a specific EMS config file
- config get invitation - command to retrieve specific invitation configuration values (EMS cloud instances only)

config set mdm

Sets mdm specific configuration

```
config set mdm [flags]
```

Options

```
      --ems.port int                Update port used by mdm service to access EMS
      --ems.url string              Update url used by mdm service to access EMS
  -h, --help                        help for mdm
      --scep.publichostname string  Set the public address used by devices to request security
certificates from the MDM
```

See also

- config set - for updating information in a specific EMS config file
- config get mdm - Retrieves mdm specific configuration

config set mpmworker

Sets the specified Apache MPM Worker config from the specified arguments and values.

```
config set mpmworker [flags]
```

Options

```
  -h, --help                    help for mpmworker
      --max.req.workers int     [Alias 'mrw'] Set the total cap on concurrent requests Apache will
serve. This is across all child processes. Must have MaxRequestWorkers <= ServerLimit x
ThreadsPerChild.
      --thread.limit int        [Alias 'tl'] Set the max upper bound on how many threads a single
child process can run. Must have ThreadLimit >= ThreadsPerChild.
      --threads.per.child int   [Alias 'tpc'] Set the number of threads each child process spawns
on startup. If set higher than ThreadLimit, it will be reduced back down.
```

See also

- config set - for updating information in a specific EMS config file

config set perfmon

command to set specific perfmon configuration values

Synopsis

`config set perfmon` sets the value(s) of the specified setting(s) in the events configuration.

Multiple flags may be specified.

```
config set perfmon [flags]
```

Options

```
      --disable   Disables the EMS performance monitoring dashboard
      --enable    Enables the EMS performance monitoring dashboard
  -h, --help      help for perfmon
```

See also

- config set - for updating information in a specific EMS config file

config set snmp

Sets the SNMP config from the specified flags

```
config set snmp [flags]
```

Options

```
      --enabled string          Enable SNMP traps
  -h, --help                    help for snmp
      --snmp.community string   Sets the SNMP commnity to use when sending traps
      --snmp.host string        Sets the host for the SNMP Manager to send traps to
```

See also

- config set - for updating information in a specific EMS config file

config set upload

Enable / disable upload types

```
emscli config set upload [flags]
```

Options

```
      --disable string   Disable passed upload types (comma separate string with no spaces)
      --enable string    Enable passed upload types (comma separate string with no spaces)
  -h, --help             help for upload
```

See also

- config set - for updating information in a specific EMS config file

config set ztna

Sets the specified ZTNA config from the specified arguments and values

```
config set ztna [flags]
```

Options

```
      --debug.fgtsns string    [Alias 'sns'] Comma delimited list of FGT SNs to debug from API
response. Example: SN1,SN2,SN3.
      --debug.sysinfo string   [Alias 'ds'] Debugging Sysinfo response. Need to set
[debug.uids|debug.fgtsns]. (default "no")
      --debug.tags string      [Alias 'dt'] Debugging Tags response. Need to set [debug.fgtsns].
      --debug.uids string      [Alias 'uids'] Comma delimited list of FCT UIDs to debug from API
response. Example: UID1,UID2,UID3.
      --debug.uidtags string   [Alias 'dut'] Debugging UID Tags response. Need to set
[debug.uids|debug.fgtsns].
      --enable.cache string    [Alias 'ec'] Toggle API response caching. (default "no")
  -h, --help                   help for ztna
      --request.limit int      [Alias 'rl'] Set the maximum concurrent requests handled by ZTNA
worker.
      --zip.api string         [Alias 'za'] Toggles manual zipping of API repsonse. This should be
used as a secondary option (after Mantis 1051765, clients should pass Accept-Encoding header).
(default "no")
```

See also

- config set - for updating information in a specific EMS config file
- config get ztna - Retrieves ZTNA specific config

config unset

for updating specific config file values back to default values

Options

```
  -h, --help   help for unset
```

See also

- config - for querying and updating EMS config files
- config get - for retrieving information from a specific EMS config file
- config set - for updating information in a specific EMS config file
- config unset console on page 115 - unsets specific console configuration values
- config unset db - command to unset specific DB configuration values
- config unset events - unsets specific events configuration values

config unset console

command to unset specific console configuration values

Synopsis

`config unset console` unsets the value(s) of the specified setting(s) in the console configuration, updating them to their default value(s).

A minimum of one (1) configuration setting to unset must be specified. If specifying multiple settings, separate each with a single space.

```
emscli config unset console [server.threads|server.processes] [flags]
```

Options

```
  -h, --help   help for console
```

See also

- config unset - for updating specific config file values back to default values

config unset db

command to unset specific DB configuration values

Synopsis

`config unset db` unsets the value(s) of the specified setting(s) in the EMS DB configuration, updating them to their default value(s), or "" if the setting has no default value.

A minimum of one (1) configuration setting to unset must be specified. If specifying multiple settings, separate each with a single space.

```
config unset db [db.user|db.password|db.host|db.port|db.prefix|db.connection_pool_
mode|db.hosts|db.preferred_dcs] [flags]
```

Options

```
  -h, --help   help for db
```

See also

- config unset - for updating specific config file values back to default values

config unset events

unsets specific events configuration values

Synopsis

`config unset events` unsets the value(s) of the specified setting(s) in the events configuration, updating them to their default value(s), or "" if the setting has no default value.

A minimum of one (1) configuration setting to unset must be specified. If specifying multiple settings, separate each with a single space.

```
config unset events
[enable.feature|es.user|es.password|es.cert|es.hosts|es.key|enable.event.queue|enable.es.queue|use
.db.prefix] [flags]
```

Options

```
  -h, --help   help for events
```

See also

- config unset - for updating specific config file values back to default values

container

execute commands for containerized EMS

Options

```
-h, --help   help for container
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- container get - gets an option or attribute from containerized EMS
- container set - sets an option or attribute to containerized EMS

container get

gets an option or attribute from containerized EMS

Options

```
-h, --help   help for get
```

See also

- container - execut commands for containerized EMS
- container get override - gets an overriden variable from containerized EMS

container get override

gets an overriden variable from containerized EMS

Synopsis

`container get override --name EMS_DAS_HOST` returns the overriden value for variable `EMS_DAS_HOST` if any

```
container get override [flags]
```

Options

```
  -h, --help          help for override
      --name string   The name of the attribute to retrieve from the overrides
```

See also

- container get - gets an option or attribute from containerized EMS

container set

sets an option or attribute to containerized EMS

Options

```
  -h, --help   help for set
```

See also

- container - execut commands for containerized EMS
- container set override - sets an override variable to containerized EMS

container set override

sets an override variable to containerized EMS

Synopsis

`container set override --name EMS_DAS_HOST --value remotedas` overrides the container variable `EMS_DAS_HOST` with the value `remotedas`

```
container set override [flags]
```

Options

```
  -h, --help           help for override
      --name string    The name of the attribute to override
      --value string   The value to override the attribute with. If --value is not provided, or is
provided with empty value, the variable will be set to ""
```

See also

- container set - sets an option or attribute to containerized EMS

db

attempts to connect to the EMS DB using psql

Synopsis

db will attempt to connect to the EMS DB using psql.

A specific DB to connect to, and/or a query to execute, may optionally be provided using the --db and --query flags, respectively.

If no DB is specified, fcm_default will be used.

If a query is specified, psql will exit after attempting to execute the query against the specified DB. If no query is specified, psql will remain open.

```
db [flags]
```

Options

```
      --db string      The database to connect to (default "fcm_default")
  -h, --help           help for db
      --public         Use the public schema when attempting to connect to the DB
      --query string   The query to execute
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS

debug-filters

for managing debug logging filters to enable debug only for specific things that match the specified filters

Options

```
  -h, --help   help for debug-filters
```

See also

- emscli - a tool for viewing and updating information about EMS
- debug-filters add - Adds a new line or field based debug filter. By default only 10 rules are supported. This can be overridden using the --max flag
- debug-filters clear - clears/disables all debug logging filters
- debug-filters list - lists existing debug logging filters if any
- debug-filters remove - Removes a rule, given it's number, from the debug filters configuration. To know the rule number run `debug-filters ls` or `emscli debug-filters ls` first.

debug-filters add

Adds a new line or field based debug filter. By default only 10 rules are supported. This can be overridden using the --max flag

```
emscli debug-filters add [flags]
```

Options

```
      --field string    An RE2 compatible regular expression to use as filter log field names
      --filter string   An RE2 compatible regular expression to use as filter for debug lines or
log field values
  -h, --help            help for add
      --max int         The max number of debug filter rules to support (default 10)
```

See also

- debug-filters - for managing debug logging filters to enable debug only for specific things that match the specified filters

debug-filters clear

clears/disables all debug logging filters

```
emscli debug-filters clear [flags]
```

Options

```
  -h, --help   help for clear
```

See also

- debug-filters - for managing debug logging filters to enable debug only for specific things that match the specified filters

debug-filters list

lists existing debug logging filters if any

```
emscli debug-filters list [flags]
```

Options

```
  -h, --help   help for list
```

See also

- debug-filters - for managing debug logging filters to enable debug only for specific things that match the specified filters

debug-filters remove

Removes a rule, given it's number, from the debug filters configuration. To know the rule number run `debug-filters ls` or `emscli debug-filters ls` first.

```
emscli debug-filters remove [flags]
```

Options

```
  -h, --help                   help for remove
      --rule debug-filters ls   The number of the rule to remove. Check debug-filters ls or
`emscli debug-filters ls` first, to get existing rules and their numbers.
```

See also

- debug-filters - for managing debug logging filters to enable debug only for specific things that match the specified filters

diag

for troubleshooting issues with particular endpoints

Options

```
  -h, --help   help for diag
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- diag endpoint - shows details for a particular endpoint

diag endpoint

shows details for a particular endpoint

Synopsis

`diag endpoint` will show details for a particular endpoint.

An identifier for the endpoint (either a hostname or its UUID) must be provided to the --id flag.

```
diag endpoint [flags]
```

Options

```
      --dev-only      Return only device data
      --fct-only      Return only FCT & FCT user data
      --full          Return all device, FCT and FCT user data
  -h, --help          help for endpoint
      --id string     An identifier for the endpoint. Can be a hostname or the endpoint's UUID
```

```
    --logs          Return the latest log entries for the endpoint/device
    --site string   If using multitenancy, the name of the site. (default "default")
```

See also

- diag - for troubleshooting issues with particular endpoints

execute

for executing commands on the host

Options

```
  -h, --help   help for execute
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- execute backup - generates an EMS database backup
- execute cat - functions identically to Linux 'cat'
- execute clear - for clearing/managing files on a host
- execute clear-known-host - removes a host entry from the SSH known_hosts file
- execute copyfile - copies a file to/from a location(s) on the host
- execute date - retrieves, updates, or synchronizes the host's date
- execute dbop-poll-status - polls the status of a database backup/restore operation
- execute delete-site - deletes a site from EMS
- execute diagnostic - generates diagnostic logs from EMS and the database
- execute disable-migration - disables data migration from a remote EMS v7.2
- execute enable-migration - enables data migration from a remote EMS v7.2
- execute ftp - copies files to/from a remote host using the FTP service
- execute hotfix - manages FortiClient EMS hotfixes
- execute import-cert - Imports a previously uploaded cert to the linux CA cert store.
- execute key-conf - opens the wizard to change keyboard configuration
- execute list-certs - Lists the custom certificates previously imported to this EMS Virtual Appliance
- execute list-users - Lists current users and their statuses
- execute ls - functions identically to Linux 'ls -ltr'
- execute lvm - for disk and logical volume management
- execute passwd - prompts the current user for setting a new password

- execute pcap - Runs a network packet capture with the specified parameters.
- execute ping - functions identically to Linux 'ping'; verifies if there is a network route between the current host and the specified host
- execute reboot - reboots the host
- execute remove-cert - Removes a previously imported cert from the linux CA cert store.
- execute restore - restores a database backup into EMS
- execute revert-ems-file - reverts an EMS installaton file previously replaced using SCP/FTP/SFTP
- execute scp - copies files to/from a remote host using the SCP service
- execute sftp - copies files to/from a remote host using the SFTP service
- execute shutdown - shuts down the host
- execute ssh - attempts to access a remote host using the ssh service
- execute ssh-copy-key - copies the ssh public key to a remote host
- execute ssh-regen-keys - generates (or regenerates, if previously created) SSH host keys
- execute time - retrieves, updates, or synchronizes the host's time
- execute timezone - for managing the host's timezone
- execute top - functions identically to Linux 'top'; displays info of host processes
- execute traceroute - Runs a traceroute from the current host to another
- execute upgrade - Upgrade [package|ems]
- execute useradd - creates a new user to the EMS backend terminal
- execute userdel - deletes a user from the EMS backend terminal
- execute usermod - modifies and existing EMS backend terminal user

execute backup

generates an EMS database backup

Synopsis

The 'backup' command creates an EMS database backup and saves it either locally or remotely.

You must specify a destination for the backup file: • Use '--local.file' to save the backup to a local path (e.g., /opt/ems/backups/emsdb_20251017.backup.enc). • Or use '--remote.file' along with '--remote.ip', '--remote.port', '--remote.user', and '--remote.password' to save it remotely. If remote.password is not supplied, you will be prompted to enter it securely.

Additionally, you must provide: • '--compress.type' — either 'zip' or 'database' (defines the compression format) • '--backup.password' — password to encrypt the database backup file

Backup file name rules: • For a **full EMS database backup**, do NOT specify '--backup.sitename'. The backup filename must start with 'emsdb_'. Example: emsdb_20251017.backup.enc

• For a **site-specific backup**, you MUST specify '--backup.sitename'. The backup filename must start with 'emssite_' followed by the site name. Example: emssite_nycdb_20251017.backup.enc

```
execute backup [flags]
```

Options

```
      --backup.password string   A password for the database backup file, which must be provided
when the database is later restored
      --backup.sitename string   The specific site name to be backup
      --compress.type string     The compression type to be used for the backup [database|zip]
(default "zip")
      --copy.service string      The service that will be used to copy to the remote host
[scp|ftp|sftp] (default "scp")
  -h, --help                     help for backup
      --local.file /exchange     The file name of the local database backup to be saved (in the
local host /exchange folder)
      --op_id string             The operation ID will be used to track the status of the backup
operation
      --remote.file string       The path/file name on the remote host to where the database
backup file will be copied. The remote user must have write access to this location.
                                 (For the FTP service, the file location is relative to the FTP
root folder)
      --remote.ip string         The IP of the remote host where the database backup file will be
copied to
      --remote.password string   The password for the remote user that will be used to connect to
the remote host
      --remote.port int          The port to be used by the remote copy service. [default: 22 for
SCP/SFTP, 21 for FTP]
      --remote.user string       The user that will be used to connect to the remote host
      --yes                      Skip confirmation prompts during backup
```

See also

- execute - for executing commands on the host

execute cat

functions identically to Linux 'cat'

```
execute cat [file name] [flags]
```

Options

```
  -h, --help   help for cat
```

See also

- execute - for executing commands on the host

execute clear

for clearing/managing files on a host

Options

```
  -h, --help   help for clear
```

See also

- execute - for executing commands on the host
- execute clear exchange - clears files from the /exchange folder
- execute clear logs - for clearing/managing Forticlient EMS and system logs

execute clear exchange

clears files from the /exchange folder

Synopsis

execute clear exchange clears files from the /exchange folder.

To clear only file(s) whose names include a particular string, provide that string to the --filter flag.

To clear all files from the folder, use the --all flag.

```
execute clear exchange [flags]
```

Options

```
      --all             Deletes all files in the /exchange folder
      --filter string   Only files in the /exchange folder containing the specified string will be
deleted
  -h, --help            help for exchange
```

See also

- execute clear - for clearing/managing files on a host

execute clear-known-host

removes a host entry from the SSH known_hosts file

Synopsis

`clear-known-host` removes a host entry from the SSH known_hosts file.

Specify either a `--host` to remove, or `--remove.all` to remove all hosts.

```
execute clear-known-host [flags]
```

Options

```
  -h, --help          help for clear-known-host
      --host string   Hostname or IP address to remove from the SSH known_hosts file
      --remove.all    Remove all entries from the known_hosts file
```

See also

- execute - for executing commands on the host

execute clear logs

for clearing/managing Forticlient EMS and system logs

Options

```
  -h, --help   help for logs
```

See also

- execute clear - for clearing/managing files on a host
- execute clear logs ems - clears and/or manages FortiClient EMS logs
- execute clear logs system - clears and/or manages system logs

execute clear logs ems

clears and/or manages FortiClient EMS logs

Synopsis

`execute clear logs ems` clears FortiClient EMS logs from the host that are older than a specified number of days.

Provide the number of days (minimum 1) to the `--delete.older` flag.

If the `--delete.older` flag is not specified, a default value of 4 days will be used.

```
execute clear logs ems [flags]
```

Options

```
      --delete.older int   The maximum number of days a log file should be kept before it is
deleted (default 4)
  -h, --help               help for ems
```

See also

- execute clear logs - for clearing/managing Forticlient EMS and system logs

execute clear logs system

clears and/or manages system logs

Synopsis

`execute clear logs system` controls how frequently system logs are rotated and/or cleared from the host.

A log 'rotation' refers to the moment when logs stop being written to a particular file, and start being written to another, usually new, file.

Use the `--rotate` flag to force an immediate log rotation.

```
execute clear logs system [flags]
```

Options

```
  -h, --help              help for system
      --rotate            Forces an immediate log rotation
      --set.freq string   Controls how frequently log files are to be rotated [daily|weekly]
      --set.rotate int    Controls how many times a log file can be rotated before the oldest log
file is deleted [1-10] [default: 10]
```

See also

- execute clear logs - for clearing/managing Forticlient EMS and system logs

execute clear logs system

clears and/or manages system logs

Synopsis

`execute clear logs system` controls how frequently system logs are rotated and/or cleared from the host.

A log 'rotation' refers to the moment when logs stop being written to a particular file, and start being written to another, usually new, file.

Use the `--rotate` flag to force an immediate log rotation.

```
execute clear logs system [flags]
```

Options

```
  -h, --help              help for system
      --rotate            Forces an immediate log rotation
      --set.freq string   Controls how frequently log files are to be rotated [daily|weekly]
      --set.rotate int    Controls how many times a log file can be rotated before the oldest log
file is deleted [1-10] [default: 10]
```

See also

- execute clear logs - for clearing/managing Forticlient EMS and system logs

execute clear redis

clears the redis .dmp file and restarts redis

Synopsis

`execute clear redis` clears the redis .dmp file if it exists, and restarts redis if the .dmp file was cleared.

```
execute clear redis [flags]
```

Options

```
  -h, --help   help for redis
```

See also

- execute clear - for clearing/managing files on a host

execute copyfile

copies a file to/from a location(s) on the host

Synopsis

`execute copyfile` copies a file to/from a location(s) on the host.

Use the `--from` and `--to` flags to specify the source and destination paths of the file to be copied.

Only the `/exchange`, `/opt/forticlientems` and `/var/log/forticlientems` folders (and their subfolders) can be accessed.

```
execute copyfile [flags]
```

Options

```
      --from string   The file that will be copied.
  -h, --help          help for copyfile
      --preserve      The permissions of the original file will be set to the copied file.
      --to string     Path and file name to where the file will copied.
```

See also

- execute - for executing commands on the host

execute date

retrieves, updates, or synchronizes the host's date

Synopsis

`execute date` interacts with the host's date settings.

Running the command with no arguments will return the current date.

Running the command and passing a date (of the format YYYY-MM-DD) will attempt to update the host's date to the provided date. If the host is synchronized with a time protocol other than NTP, the date will not be updated. If the date is successfully updated, host synchronization with the network will be disabled.

Passing the `synch` argument will attempt to synchronize the host's date with the network date.

```
execute date [synch|YYYY-MM-DD] [flags]
```

Options

```
  -h, --help   help for date
```

See also

- execute - for executing commands on the host
- execute time - retrieves, updates, or synchronizes the host's time
- execute timezone - for managing the host's timezone

execute dbop-poll-status

polls the status of a database backup/restore operation

Synopsis

`execute dbop-poll-status` polls the status of a database operation previously started using either `execute backup` or `execute restore` commands.

The operation ID must be provided to the `--operation.id` flag.

```
execute dbop-poll-status [flags]
```

Options

```
  -h, --help           help for dbop-poll-status
      --op.id string   The operation ID returned when the dbop backup/restore/diagnostic command
was first executed
```

See also

- execute - for executing commands on the host

execute delete-site

deletes a site from EMS

Synopsis

`execute delete-site` deletes a site from EMS.

The site name must be provided to the `--name` flag.

```
execute delete-site [flags]
```

Options

```
  -h, --help          help for delete-site
      --name string   The name of the site to be deleted
      --yes           If set, the deletion will be confirmed without prompting.
```

See also

- execute - for executing commands on the host

execute diagnostic

generates diagnostic logs from EMS and the database

Synopsis

`execute diagnostic` generates diagnostic logs for EMS.

To save a remote copy, provide any --remote flags required to connect.

In either case, a `--compress-type` (either `zip` or `database`) and `--backup.password` for the database backup file must also be provided.`

```
execute diagnostic [flags]
```

Options

```
      --backup.password string   A password for the database backup file to be included in the
diagnostic output, which must be provided when the database is later restored
      --copy.service string      The service that will be used to copy to the remote host
```

```
[scp|ftp|sftp] (default "scp")
  -h, --help                     help for diagnostic
      --include.db               Controls whether a backup of the database will be included in the
diagnostic output
      --keep.file /exchange      If copying to a remote host, controls whether a copy of the
diagnostic file will be kept locally in the /exchange folder after the diagnostic file generation
completes
      --op_id string             The operation ID will be used to track the status of the
diagnostic operation
      --remote.folder string     The /path/ on the remote host to where the diagnostic file will
be copied. The remote user must have write access to this location.
                                 (For the FTP service, the file location is relative to the FTP
root folder)
      --remote.ip string         The IP of the remote host where the diagnostic file will be
copied to
      --remote.password string   The password for the remote user that will be used to connect to
the remote host
      --remote.port int          The port to be used by the remote copy service. [default: 22 for
SCP/SFTP, 21 for FTP]
      --remote.user string       The user that will be used to connect to the remote host
      --yes                      Skip confirmation prompts during diagnostic logs generation
```

Example

```
execute diagnostic --keep.file --copy.service ftp --remote.ip 192.161.1.100 --remote.user admin --
remote.password test1000 --remote.folder "/" --yes
```

See also

- execute - for executing commands on the host

execute disable-migration

disables data migration from a remote EMS v7.2

Synopsis

`execute disable-migration` configures an EMS installation to NOT accept data migration from a remote EMS v7.2.

```
execute disable-migration [flags]
```

Options

```
  -h, --help   help for disable-migration
```

See also

- execute - for executing commands on the host
- execute enable-migration - enables data migration from a remote EMS v7.2

execute enable-migration

enables data migration from a remote EMS v7.2

Synopsis

`execute enable-migration` configures an EMS installation to accept data migration from a remote EMS v7.2.

The public key file name from the EMS 7.2 host must be provided to the `--pub.key` flag.

```
execute enable-migration [flags]
```

Options

```
  -h, --help                  help for enable-migration
      --pub.key string        The path/name of the public key file obtained from the EMS 7.2 host.
      --ssh.key string        The plain text content of the public key file obtained from the EMS
7.2 host. Wrap the text content in double quotations.
      --ssh.key.file string   The path/name of the public key file obtained from the EMS 7.2 host.
(same as --pub.key)
```

See also

- execute - for executing commands on the host

execute ftp

copies files to/from a remote host using the FTP service

For security reasons, you cannot freely transfer files from other hosts to EMS Virtual Appliance host using "scp", "ftp", or "sftp". You can only transfer files to/from an EMS Virtual Appliance by running the relevant commands from the EMS Virtual Appliance itself.

Synopsis

`execute ftp` attempts to copy files to or from a remote host using the FTP service.

If copying from a remote host to the local machine, include the `--read` flag; if copying from the local machine to a remote host, do not include the flag.

Also include:

- the local filepath (or local destination for a remote file) to the `--local.file` flag;
- the remote filepath (or remote destination for a local file) to the `--remote.file` flag, and
- any other --remote flags required to connect.

Furthermore:

- If writing to a remote host, the --local.file must be located in one of `/exchange`, `/opt/forticlientems`, or `/var/log/forticlientems` (or subfolders of these folders)
- If reading from a remote host, --local.file must be located in either `/exchange` or `/opt/forticlientems` (or subfolders of these folders)

```
execute ftp [flags]
```

Options

```
  -h, --help                    help for ftp
      --local.file string       The /path/filename of the file to be copied (or destination of
the file to be saved) on the local host. If no path is specified, the command will look for the
file in the "/exchange" folder.
      --read                    Specifies that this command is to read a file from the remote
host (rather than copy from)
      --remote.file string      The /path/filename of the file to be copied (or destination of
the file to be saved) on the remote host. The file location is relative to the FTP root folder.
The remote filename on the target host can be different from the filename on your EMS Virtual
Appliance. Examples: --remote.file "c:/workfolder/file20.txt" or --remote.file
"/home/myuser/file20.txt"
      --remote.ip string        The IP of the remote host where the file will be copied to/from
      --remote.password string  The password for the remote user that will be used to connect to
the remote host. If the password is not provided here, you will be prompted to enter the password
when running the command.
      --remote.port int         If your FTP client is configured to use a different port than
port 21, use the --remote.port option to specify the port. For example, --remote.port 3021
      --remote.user string      The user that will be used to connect to the remote host
```

Examples

- **To transfer a file from the EMS Virtual Appliance to a Windows host (with FTP client service installed):**

```
emscli execute ftp --remote.ip 172.10.10.10 --remote.user myuser --remote.file
"c:/workfolder/file20.txt" --local.file file10.txt
```

- **To transfer a file (such as hotfix files from Fortinet support or public keys for migration from 7.2) from a Linux host (with FTP client service installed) to the EMS Virtual Appliance:**

```
emscli execute ftp --read --remote.ip 172.10.10.10 --remote.user myuser --remote.file
"/home/myuser/file30.txt" --local.file file40.txt
```

To collect EMS log and configuration files for troubleshooting, use the execute diagnostic on page 132 command instead.

See also

- execute - for executing commands on the host
- execute scp - copies files to/from a remote host using the SCP service
- execute sftp - copies files to/from a remote host using the SFTP service

execute hotfix

manages FortiClient EMS hotfixes

Synopsis

`execute hotfix` is used to interact with EMS hotfixes.

- To list all hotfixes that have been applied or attempted, use the `--list` flag.
- To apply a hotfix, pass the name of the hotfix .zip file at /exchange folder to the --apply flag.
- To revert a hotfix, pass the checksum of the hotfix to the `--revert.checksum` flag.

Note that hotfixes can only be reverted in reverse order of application.

The hotfix file must be located in the `/exchange` folder.

```
execute hotfix [flags]
```

Options

```
      --apply string             Applies the hotfix in the specified zip file
  -h, --help                     help for hotfix
      --list                     Lists all hotfixes that have been applied or attempted before
(failed or reverted)
      --revert.checksum string   Reverts the hotfix with the specified checksum. Only hotfixes
that are currently applied can be reverted. Hotfixes can only be reverted in reverse order of
application
```

See also

- execute - for executing commands on the host

execute import-cert

Imports a previously uploaded cert to the linux CA cert store.

Synopsis

`execute import-cert test.crt` imports the previously uploaded `test.crt` to the linux CA cert store.

```
execute import-cert [flags]
```

Options

```
  -h, --help   help for import-cert
```

See also

- execute - for executing commands on the host

execute key-conf

opens the wizard to change keyboard configuration

```
execute key-conf [flags]
```

Options

```
  -h, --help   help for key-conf
```

See also

- execute - for executing commands on the host

execute list-certs

Lists the custom certificates previously imported to this EMS Virtual Appliance

```
execute list-certs [flags]
```

Options

```
  -h, --help   help for list-certs
```

See also

- execute - for executing commands on the host

execute list-users

Lists current users and their statuses

```
execute list-users [flags]
```

Options

```
  -h, --help   help for list-users
```

See also

- execute - for executing commands on the host

execute ls

functions identically to Linux 'ls -ltrh'

Synopsis

only the /exchange, /opt/forticlientems and /var/log/forticlientems folders (and their subfolders() can be accessed.

```
emscli execute ls [file pattern] [flags]
```

Options

```
  -h, --help              help for ls
      --only.file.names   Filters the output to only display file names
      --show.bytes        Prints sizes in bytes instead of in human readable format
```

See also

- execute - for executing commands on the host

execute lvm

for disk and logical volume management

Options

```
  -h, --help   help for l
```

See also

- execute - for executing commands on the host
- execute lvm add-disk - adds a physical disk to the logical volume
- execute lvm expand-disk - expands the physical disk partition
- execute lvm expand-volume - expands the disk logical volume size
- execute lvm info - shows info from the disks and logical volume

execute lvm add-disk

adds a physical disk to the logical volume

Synopsis

`execute lvm add-disk` adds a physical disk to the logical volume.

Provide a name for the new disk to be added to the `--disk.name` flag.

```
execute lvm add-disk [flags]
```

Options

```
      --disk.name string   The name of the disk to add to the logical volume
  -h, --help               help for add-disk
```

See also

- execute lvm - for disk and logical volume management

execute lvm expand-disk

expands the physical disk partition

Synopsis

`execute lvm expand-disk` expands the physical disk partition.

Provide the name of the disk to be expanded to the `--disk.name` flag.

```
execute lvm expand-disk [flags]
```

Options

```
      --disk.name string   The name of the disk to be expanded
  -h, --help               help for expand-disk
```

See also

- execute lvm - for disk and logical volume management

execute lvm expand-volume

expands the disk logical volume size

Synopsis

`execute lvm expand-volume` expands the logical volume size of a disk.

Provide either a specific size to expand the volume by to `--grow.gb`, or use `--grow.free` to expand using all available free space in the volume group.

```
execute lvm expand-volume [flags]
```

Options

```
      --grow.free       Expands the logical volume, using all available free space in the volume
group
      --grow.gb float   The size (in gigabytes) to expand the logical volume by, using free space
from the volume group
  -h, --help            help for expand-volume
```

See also

- execute lvm - for disk and logical volume management

execute lvm info

shows info from the disks and logical volume

Synopsis

`execute lvm info` returns information about the disks and logical volume.

```
execute lvm info [flags]
```

Options

```
  -h, --help   help for info
```

See also

- execute lvm - for disk and logical volume management

execute passwd

prompts the current user for setting a new password

Synopsis

`execute passwd` will take the current user through the password change procedure asking for their current password and then a new password

```
execute passwd [flags]
```

Options

```
  -h, --help          help for passwd
      --user string   The name of the user you wish to change the password
```

See also

- execute - for executing commands on the host

execute pcap

Runs a network packet capture with the specified parameters.

Synopsis

Runs a network package capture with the specified parameters, supporting the same filters as those supported by tcpdump. `execute pcap --if ens2 --filter "port 443 and host 10.20.20.1" --out port443.pcap` this would capture packets on the network interface ens2 and apply filters to match only host 10.20.20.1 and requests to port 443.

```
execute pcap [flags]
```

Options

```
      --filter string   The filter string to apply to the packet capture. This only supports
filters supported by tcpdump and a single filter string can be made of a composite filter.
Reference: https://www.tcpdump.org/manpages/pcap-filter.7.html
  -h, --help            help for pcap
      --if string       The network interface to monitor. If none is provide, the one detected as
main will be used.
      --out string      The name of the output file to save the capture at. If none is provided,
the capture will be longed on the console only.
```

See also

- execute - for executing commands on the host

execute ping

functions identically to Linux 'ping'; verifies if there is a network route between the current host and the specified host

```
execute ping [ip] [flags]
```

Options

```
  -h, --help   help for ping
```

See also

- execute - for executing commands on the host

execute reboot

reboots the host

Synopsis

`execute reboot` reboots the host.

```
execute reboot [flags]
```

Options

```
  -h, --help   help for reboot
```

See also

- execute - for executing commands on the host

execute remove-cert

Removes a previously imported cert from the linux CA cert store.

Synopsis

`execute remove-cert test.crt` removes the previously imported `test.crt` from the linux CA cert store.

```
execute remove-cert [flags]
```

Options

```
  -h, --help   help for remove-cert
```

See also

- execute - for executing commands on the host

execute restore

restores a database backup into EMS

Synopsis

The 'restore' command restores an EMS database backup/site from a local or remote location.

You must specify the backup file to restore: • Use '--local.file' to restore from a local backup located in the '/exchange' folder (e.g., /exchange/emsdb_20251017.backup.enc). • Use '--remote.path' along with '--remote.ip', '--remote.port', '--remote.user', and '--remote.password' to restore from a remote backup.

Restore type rules: • For a **site-specific restore**, you MUST provide '--restore.sitename' to specify the site to restore into. You MUST also provide '--backup.sitename' to indicate the site from which the backup was

originally taken. The backup file must start with 'emssite_' followed by the site name. Example: emssite_nycdb_20251017.backup.enc • For a **full EMS database restore**, do NOT provide '--restore.sitename' or '--backup.sitename'. The backup file must start with 'emsdb_'. Example: emsdb_20251017.backup.enc

Ensure the file naming follows the above rules to prevent errors. Providing the correct site names ensures that site-specific restores apply to the intended site without affecting other sites or the full database.

```
execute restore [flags]
```

Options

```
      --backup.password string    The password of the database backup file (set when the backup
was first created)
      --backup.sitename string    Site name from which the backup was taken
      --copy.service string       The service that will be used to copy from the remote host
[scp|ftp|sftp] (default "scp")
  -h, --help                      help for restore
      --keep.file /exchange       If restoring from a remote backup, controls whether a copy of
the backup file will be kept locally in the /exchange folder after the restore completes
      --local.file /exchange      The backup file name to be restored (must be located in the
localhost /exchange folder)
      --op_id string              The operation ID will be used to track the status of the restore
operation
      --remote.file string        The /path/filename on the remote host of the backup file to be
restored. The remote user must have read access for this location.
                                  (For the FTP service, the file location is relative to the FTP
root folder)
      --remote.ip string          The IP of the remote host where the database backup file will be
copied from
      --remote.password string    The password for the remote user that will be used to connect to
the remote host
      --remote.port int           The port to be used by the remote read service. [default: 22 for
SCP/SFTP, 21 for FTP]
      --remote.user string        The user that will be used to connect to the remote host
      --restore.sitename string   Specify the site name to restore the backup into
      --yes                       Skip confirmation prompts during restore
```

See also

- execute - for executing commands on the host

execute revert-ems-file

reverts an EMS installaton file previously replaced using SCP/FTP/SFTP

```
execute revert-ems-file [flags]
```

Options

```
      --file string   The backup file name in the /exchange folder that will be reverted to EMS
installation folder.
  -h, --help          help for revert-ems-file
```

See also

- execute - for executing commands on the host

execute scp

copies files to/from a remote host using the SCP service

For security reasons, you cannot freely transfer files from other hosts to EMS Virtual Appliance host using "scp", "ftp", or "sftp". You can only transfer files to/from an EMS Virtual Appliance by running the relevant commands from the EMS Virtual Appliance itself.

Synopsis

`execute scp` attempts to copy files to or from a remote host using the SCP service.

If copying from a remote host to the local machine, include the `--read` flag; if copying from the local machine to a remote host, do not include the flag.

Also include:

- the local filepath (or local destination for a remote file) to the `--local.file` flag;
- the remote filepath (or remote destination for a local file) to the `--remote.file` flag, and
- any other --remote flags required to connect.

Furthermore:

- If writing to a remote host, the --local.file must be located in one of `/exchange`, `/opt/forticlientems`, or `/var/log/forticlientems` (or subfolders of these folders)
- If reading from a remote host, --local.file must be located in either `/exchange` or `/opt/forticlientems` (or subfolders of these folders)

```
execute scp [flags]
```

Options

```
  -h, --help                    help for scp
      --local.file string       The /path/filename of the file to be copied (or destination of
```

```
the file to be saved) on the local host. If no path is specified, the command will look for the
file in the "/exchange" folder.
      --read                    Specifies that this command is to read a file from the remote
host (rather than copy from)
      --remote.file string      The /path/filename of the file to be copied (or destination of
the file to be saved) on the remote host. The remote filename on the target host can be different
from the filename on your EMS Virtual Appliance. Examples: --remote.file
"c:/workfolder/file20.txt" or --remote.file "/home/myuser/file20.txt"
      --remote.ip string        The IP of the remote host where the file will be copied to/from
      --remote.password string  The password for the remote user that will be used to connect to
the remote host. If the password is not provided here, you will be prompted to enter the password
when running the command.
      --remote.port int         If your SCP client is configured to use a different port than
port 22, use the --remote.port option to specify the port. For example, --remote.port 3022
      --remote.user string      The user that will be used to connect to the remote host
```

Examples

- **To transfer a file from the EMS Virtual Appliance to a Windows host (with SCP client service installed):**

  ```
  emscli execute scp --remote.ip 172.10.10.10 --remote.user myuser --remote.file
  "c:/workfolder/file20.txt" --local.file file10.txt
  ```

- **To transfer a file (such as hotfix files from Fortinet support or public keys for migration from 7.2) from a Linux host (with SCP client service installed) to the EMS Virtual Appliance:**

  ```
  emscli execute scp --read --remote.ip 172.10.10.10 --remote.user myuser --remote.file
  "/home/myuser/file30.txt" --local.file file40.txt
  ```

To collect EMS log and configuration files for troubleshooting, use the execute diagnostic on page 132 command instead.

See also

- execute - for executing commands on the host
- execute ftp - copies files to/from a remote host using the FTP service
- execute sftp - copies files to/from a remote host using the SFTP service

execute sftp

copies files to/from a remote host using the SFTP service

For security reasons, you cannot freely transfer files from other hosts to EMS Virtual Appliance host using "scp", "ftp", or "sftp". You can only transfer files to/from an EMS Virtual Appliance by running the relevant commands from the EMS Virtual Appliance itself.

Synopsis

`execute sftp` attempts to copy files to or from a remote host using the SFTP service.

If copying from a remote host to the local machine, include the `--read` flag; if copying from the local machine to a remote host, do not include the flag.

Also include:

- the local filepath (or local destination for a remote file) to the `--local.file` flag;
- the remote filepath (or remote destination for a local file) to the `--remote.file` flag, and
- any other --remote flags required to connect.

Furthermore:

- If writing to a remote host, the --local.file must be located in one of `/exchange`, `/opt/forticlientems`, or `/var/log/forticlientems` (or subfolders of these folders)
- If reading from a remote host, --local.file must be located in either `/exchange` or `/opt/forticlientems` (or subfolders of these folders)

```
execute sftp [flags]
```

Options

```
  -h, --help                    help for sftp
      --local.file string       The /path/filename of the file to be copied (or destination of
the file to be saved) on the local host. If no path is specified, the command will look for the
file in the "/exchange" folder.
      --read                    Specifies that this command is to read a file from the remote
host (rather than copy from)
      --remote.file string      The /path/filename of the file to be copied (or destination of
the file to be saved) on the remote host. The remote filename on the target host can be different
from the filename on your EMS Virtual Appliance. Examples: --remote.file
"c:/workfolder/file20.txt" or --remote.file "/home/myuser/file20.txt"
      --remote.ip string        The IP of the remote host where the file will be copied to/from
      --remote.password string  The password for the remote user that will be used to connect to
the remote host. If the password is not provided here, you will be prompted to enter the password
when running the command.
      --remote.port int         If your SFTP client is configured to use a different port than
port 22, use the --remote.port option to specify the port. For example, --remote.port 3022
      --remote.user string      The user that will be used to connect to the remote host
```

Examples

- **To transfer a file from the EMS Virtual Appliance to a Windows host (with SFTP client service installed):**

```
emscli execute sftp --remote.ip 172.10.10.10 --remote.user myuser --remote.file
"c:/workfolder/file20.txt" --local.file file10.txt
```

- **To transfer a file (such as hotfix files from Fortinet support or public keys for migration from 7.2) from a Linux host (with SFTP client service installed) to the EMS Virtual Appliance:**

```
emscli execute sftp --read --remote.ip 172.10.10.10 --remote.user myuser --remote.file
"/home/myuser/file30.txt" --local.file file40.txt
```

To collect EMS log and configuration files for troubleshooting, use the execute diagnostic on page 132 command instead.

See also

- execute - for executing commands on the host
- execute scp - copies files to/from a remote host using the SCP service
- execute ftp - copies files to/from a remote host using the FTP service

execute shutdown

shuts down the host

Synopsis

`execute shutdown` shuts down the host.

```
execute shutdown [flags]
```

Options

```
  -h, --help   help for shutdown
```

See also

- execute - for executing commands on the host

execute ssh-copy-key

copies the ssh public key to a remote host

Synopsis

`execute ssh-copy-key` copies the ssh public key to a remote host.

The remote host IP, user, and a destination file name must all be specified (to the --remote.ip, --remote.user, and --remote.file flags, respectively).

```
execute ssh-copy-key [flags]
```

Options

```
      --copy.service string      The service that will be used to copy to the remote host
[scp|ftp|sftp] (default "scp")
  -h, --help                     help for ssh-copy-key
      --remote.file string       The intended destination /path/filename for the file on the
remote host.
                                 (For the FTP service, the file location is relative to the FTP
root folder)
      --remote.ip string         The IP of the remote host where the public key file will be
copied from
      --remote.password string   The password for the remote user that will be used to connect to
the remote host
      --remote.port int          The port to be used by the remote read service. [default: 22]
      --remote.user string       The user that will be used to connect to the remote host
```

See also

- execute - for executing commands on the host

execute ssh-regen-keys

generates (or regenerates, if previously created) SSH host keys

Synopsis

`execute ssh-regen-keys` generates (or regenerates) SSH host keys.

If the current host is not a VM, a current host user that will own the keys must be specified to the --owner flag.

```
execute ssh-regen-keys [flags]
```

Options

```
  -h, --help   help for ssh-regen-keys
```

See also

- execute - for executing commands on the host

execute ssh

attempts to access a remote host using the ssh service

Synopsis

`execute ssh` attempts to connect to a remote host using the `ssh` service.

A remote host IP, port, and user to connect with should be provided to the respective flags.

```
execute ssh [flags]
```

Options

```
  -h, --help                help for ssh
      --remote.ip string    The IP of the remote host to connect to
      --remote.port int     The port to be used by the remote SSH service. [default: 22]
      --remote.user string  The user that will be used to connect to the remote host
```

See also

- execute - for executing commands on the host

execute time

retrieves, updates, or synchronizes the host's time

Synopsis

`execute time` interacts with the host's time settings.

Running the command with no arguments will return the current time.

Running the command and passing a 24-hour time (of the format HH:MM:SS) will attempt to update the host's time to the provided time. If the host is synchronized with a time protocol other than NTP, the time will not be updated. If the time is successfully updated, host synchronization with the network will be disabled.

Passing the `synch` argument will attempt to synchronize the host's time with the network time.

```
execute time [synch|HH:MM:SS] [flags]
```

Options

```
  -h, --help   help for time
```

See also

- execute - for executing commands on the host
- execute timezone - for managing the host's timezone
- execute date - retrieves, updates, or synchronizes the host's date

execute timezone

for managing the host's timezone

Options

```
  -h, --help   help for timezone
```

See also

- execute - for executing commands on the host
- execute time - retrieves, updates, or synchronizes the host's time
- execute date - retrieves, updates, or synchronizes the host's date
- execute timezone get - retrieves the host's timezone
- execute timezone list - lists available timezones
- execute timezone set - sets the host's timezone

execute timezone get

retrieves the host's timezone

Synopsis

`execute timezone get` returns the host's timezone.

```
execute timezone get [flags]
```

Options

```
  -h, --help   help for get
```

See also

- execute timezone - for managing the host's timezone
- execute time - retrieves, updates, or synchronizes the host's time
- execute date - retrieves, updates, or synchronizes the host's date

execute timezone list

lists available timezones

Synopsis

`execute timezone list` returns a list of timezone names.

A filter string may be passed to this command, in which case only the timezone names containing the filter string (case-insensitive) will be returned.

If no filter string is passed, *all* timezone names will be returned.

```
execute timezone list [filter] [flags]
```

Options

```
  -h, --help   help for list
```

See also

- execute timezone - for managing the host's timezone

execute timezone set

sets the host's timezone

Synopsis

`execute timezone set` sets the host's timezone.

Pass the name of the timezone to the command without the use of flags.

See the `execute timezone list` command if you need to find the name of a timezone.

```
execute timezone set [timezone name] [flags]
```

Options

```
  -h, --help   help for set
```

See also

- execute timezone - for managing the host's timezone
- execute timezone get - retrieves the host's timezone

execute top

functions identically to Linux 'top'; displays info of host processes

Synopsis

Arguments to `top` used on Linux can be passed as flags to this command after specifying "--" by itself.
Example: `execute top -- --pid=1234,5678`

```
execute top [option...] [flags]
```

Options

```
  -h, --help   help for top
```

See also

- execute - for executing commands on the host

execute traceroute

Runs a traceroute from the current host to another

```
execute traceroute [flags]
```

Options

```
  -h, --help   help for traceroute
```

See also

- execute - for executing commands on the host

execute upgrade

Upgrade [package|ems]

Options

```
  -h, --help   help for upgrade
```

See also

- execute - for executing commands on the host
- execute upgrade ems - Upgrades EMS
- execute upgrade package - Upgrades Ubuntu package

execute upgrade ems

Upgrades EMS

Synopsis

`execute upgrade ems` upgrades ems installation.

The ems installation file must be provided using either `--local.file` or `--remote.file` flag.

```
execute upgrade ems [flags]
```

Options

```
      --copy.service string      The service to be used to copy files from the remote host
[scp|ftp|sftp] (default "scp")
  -h, --help                     help for ems
      --keep.file /exchange      If copying from a remote host, controls whether a copy of the
installer will be kept locally in the /exchange after the installation
      --local.file /exchange     The file name of the local installer file to be saved (in the
local host /exchange folder)
      --remote.file string       The path and file name on the remote host from which the
installer binary will be copied. The remote user must have write access to this location.
                                 (For the FTP service, the file location is relative to the FTP
root folder).
      --remote.ip string         The IP of the remote host where the install file will be copied
from.
      --remote.password string   The password for the remote user that will be used to connect to
the remote host.
      --remote.port int          The port to be used by the remote copy service. [default: 22 for
SCP/SFTP, 21 for FTP]
      --remote.user string       The user that will be used to connect to the remote host.
```

See also

- execute upgrade - Upgrade [package|ems]

execute upgrade package

Upgrades Ubuntu package

Synopsis

`execute upgrade package` upgrades a specified Ubuntu package on the machine.

The name of a package to upgrade must be provided to the `--package` flag. If the --all flag is provided instead, it upgrades all linux packages pending upgrade.

```
execute upgrade package [flags]
```

Options

```
      --all              Upgrades all ubuntu packages pending upgrade, on this VM.
  -h, --help             help for package
      --package string   Upgrade a Ubuntu package on this VM.
```

See also

- execute upgrade - Upgrade [package|ems]

execute useradd

creates a new user to the EMS backend terminal

Synopsis

`execute useradd --name test` creates user test with access to the EMS backend terminal

```
execute useradd [flags]
```

Options

```
      --allow.ssh.pwd         Indicates whether to allow the user to SSH using a password.
  -h, --help                  help for useradd
      --name string           The user name
      --ssh.key string        The contents of the SSH public key to use for this user's authorized
key for key based SSH
      --ssh.key.file string   SSH public key file to use for this user's authorized key for key
based SSH
      --super.admin           Make the user a super admin that can manage other users.
```

See also

- execute - for executing commands on the host

execute userdel

deletes a user from the EMS backend terminal

Synopsis

`execute del test` deletes user test from the EMS backend terminal

```
execute userdel [flags]
```

Options

```
  -h, --help   help for userdel
```

See also

- execute - for executing commands on the host

execute usermod

modifies and existing EMS backend terminal user

Synopsis

`execute usermod --name user1 --add.super.admin` makes user1 a super admin.

```
execute usermod [flags]
```

Options

```
      --add.super.admin       Indicates whether to make the user a super admin
      --allow.ssh.pwd         Indicates whether to allow the user to SSH using a password.
      --disallow.ssh.pwd      Indicates whether to disallow the user to SSH using a password.
  -h, --help                  help for usermod
      --lock                  Indicates whether to lock the account for the user
      --name string           The user name
      --rm.super.admin        Indicates whether to remove super admin priviledges for the user
      --ssh.key string        The contents of the SSH public key to use for this user's authorized
key for key based SSH
      --ssh.key.file string   SSH public key file to use for this user's authorized key for key
```

```
based SSH
      --unlock                Indicates whether to unlock the account for the user
```

See also

- execute - for executing commands on the host

fds

for managing FDS (FortiGuard Distribution Servers) services

Options

```
   -h, --help   help for fds
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- fds fctinstallers on page 159 - gets the FortiClient installers for repackaging
- fds update - starts a full FDS update with debug logs

fds fctinstallers

Get the FCT installers for repackaging

Synopsis

`fds fctinstallers` get the FCT installers for repackaging.

```
emscli fds fctinstallers [flags]
```

Options

```
   -h, --help   help for fctinstallers
```

See also

- fds - for managing FDS (FortiGuard Distribution Servers) services

fds update

starts a full FDS update with debug logs

Synopsis

`fds update` starts a full FDS update with debug logs.

```
fds update [flags]
```

Options

```
  -h, --help   help for update
```

See also

- fds - for managing FDS (FortiGuard Distribution Servers) services

feature

used to manage EMS features from System Settings -> Feature Select

Options

```
  -h, --help   help for feature
```

See also

- emscli - a tool for viewing and updating information about EMS
- feature get - for retrieving the current status of a feature or features
- feature set - for making changes to a feature or features

feature get

for retrieving the current status of a feature or features

Synopsis

`feature get` retrieves the current status of a feature(s).

The status of all features can be retrieved at once using `--all` option or multiple specific features can be returned by using the `--name` or just providing the feature name one after the other as arguments

```
emscli feature get [flags]
```

Options

```
      --all           get the status of all features
  -h, --help          help for get
      --name string   name of the features to get. Multiple feature names can be provided,
separated by comma (e.g. ztna,vpn,forensics)
      --site string   name of the site (e.g. default, site1, sitea) (default "default")
```

See also

- feature - used to manage EMS features from System Settings -> Feature Select

feature set

for making changes to a feature or features

```
emscli feature set [flags]
```

Options

```
      --all           to change the status of all features
      --disable       disables a feature(s)
      --enable        enables a feature(s)
  -h, --help          help for set
      --name string   name of the features to get. Multiple feature names can be provided,
separated by comma (e.g. ztna,vpn,forensics)
      --site string   name of the site (e.g. default, site1, sitea) (default "default")
```

See also

- feature - used to manage EMS features from System Settings -> Feature Select

ha

for checking and managing EMS High Availability parameters

Options

```
-h, --help   help for ha
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- ha add - for adding an additional node to the EMS cluster
- ha get - for retrieving a specific HA parameter
- ha join - for joining an EMS cluster
- ha leave - for leaving an EMS cluster
- ha set - for setting an alias for this EMS HA node
- ha standby - to demote the DB or the EMS instance

ha add

for adding an additional node to the EMS cluster

Options

```
-h, --help   help for add
```

See also

- ha - for checking and managing EMS High Availability parameters
- ha add node - enables the HA add node mode by providing a join and code and a service for the joining code to use to make part of the current EMS cluster

ha add node

enables the HA add node mode by providing a join and code and a service for the joining code to use to make part of the current EMS cluster

```
ha add node [flags]
```

Options

```
  -h, --help          help for node
      --host string   [--host] Use the specified fully-qualified domain name instead of local IP
(s).
```

See also

- ha add - for adding an additional node to the EMS cluster

ha get

for retrieving a specific HA parameter

Options

```
  -h, --help   help for get
```

See also

- ha - for checking and managing EMS High Availability parameters
- ha get nodes - returns a list of the EMS nodes of the current cluster. This also returns a list DB nodes even if EMS itself is not part of a cluster
- ha get status - indicates whether this is an EMS cluster or not.

ha get nodes

returns a list of the EMS nodes of the current cluster. This also returns a list DB nodes even if EMS itself is not part of a cluster

Synopsis

Queries for the nodes in the current EMS cluster and returns a list with the information on those nodes, their current status and role. This also provides a list of the database nodes and their role and latency

```
ha get nodes [flags]
```

Options

```
  -h, --help   help for nodes
```

See also

- ha get - for retrieving a specific HA parameter
- ha get status - indicates whether this is an EMS cluster or not.

ha get status

indicates whether this is an EMS cluster or not.

Synopsis

Checks whether this is an HA cluster or not by indicating the HA status as enabled/disabled. Enabled means this is a cluster there are at least two nodes. Disabled means

```
ha get status [flags]
```

Options

```
  -h, --help   help for status
```

See also

- ha get - for retrieving a specific HA parameter
- ha get nodes - returns a list of the EMS nodes of the current cluster. This also returns a list DB nodes even if EMS itself is not part of a cluster

ha join

for joining an EMS cluster

```
ha join [flags]
```

Options

```
      --auto_rename   [--auto_rename] Used to automatically rename the EMS host based on the
cluster configuration. Accepted values: true|false (default is true). For example, --auto_
rename="false"
      --code string   The EMS cluster JOIN code.
  -h, --help          help for join
      --host string   [--host] Use the specified fully-qualified domain name instead of local IP
(s).
```

See also

- ha - for checking and managing EMS High Availability parameters

ha leave

for leaving an EMS cluster

```
ha leave [flags]
```

Options

```
  -h, --help   help for leave
```

See also

- ha - for checking and managing EMS High Availability parameters

ha set

for setting an alias for this EMS HA node

Options

```
  -h, --help   help for set
```

See also

- ha - for checking and managing EMS High Availability parameters
- ha set alias - setting an alias for this EMS HA node.

ha set alias

setting an alias for this EMS HA node.

Synopsis

Set an alias for this HA EMS node. If not defined, hostname is displayed as the name for this EMS node.

```
ha set alias [flags]
```

Options

```
  -h, --help   help for alias
```

See also

- ha set - for setting an alias for this EMS HA node

ha standby

to demote the DB or the EMS instance

Synopsis

The standby command can only be executed from an EMS instance currently acting as primary. It is necessary to specify which instance will be demoted using --type='db' or --type='ems'.

```
ha standby [flags]
```

Options

```
  -h, --help          help for standby
      --type string   [--type] Use this to specify whether EMS or only the DB will be demoted.
```

See also

- ha - for checking and managing EMS High Availability parameters

redirect

redirects an EMS instance to access a different EMS DB, for example, you can switch from a local DB to a remote DB or from one remote DB to another remote DB

```
redirect [flags]
```

Options

```
      --db_connection_pool_mode string   The connection pool mode of the target remote database.
Accepted values: low|medium|high
      --db_host string                   The target remote database IP
      --db_hosts string                  Comma-separated list of IP:PORT pairs for DB cluster
nodes. Examples: --db_hosts 10.0.0.5:5432 or --db_hosts 10.0.0.5:5432,10.0.0.6,10.0.0.8:5434,...
      --db_pass string                   The target remote database password
      --db_port string                   The target remmote database port
      --db_preferred_dcs string          The preferred data centers for EMS ha node (Optional),
used together with --db_hosts. Examples: "--db_
hosts="10.0.0.5:5432@Dc1,10.0.0.6:5636@Dc2,10.0.0.8:5434@Dc3,..." so --db_preferred_dcs Dc1,Dc2.
      --db_prefix string                 The target remote database prefix
      --db_user string                   The target remote database user
      --debug                            Executes the 'direct' command in debug mode
  -h, --help                             help for redirect
      --is_paas                          Specifies if the EMS instance is being redirected to a
PAAS target remote DB server (e.g. Azure, AWS)
      --is_primary_node                  Specifies if the EMS instance will be the primary node in
an EMS cluster after redirection to the target remote DB (or standalone if the target remote
PostgreSQL server does not have any EMS DB deployed).
      --is_secondary_node                Specifies if the EMS instance will be the secondary node
in an EMS cluster after redirection to the target remote DB
      --yes                              Executes the 'direct' command in non-interactive mode
```

DB redirect behavior

The following table elaborates DB redirection behavior based on the primary and secondary node setting and current and target remote EMS DB version.

	--is_primary_node --yes	--is_secondary_node --yes
Same EMS version for target remote DB and current EMS DB	Redirect EMS instance to target remote DB with no upgrade. EMS instance will be the primary node.	Redirect EMS instance to target remote DB with no upgrade. EMS instance will be a secondary node.
Target remote DB has an older EMS version than current EMS DB	Upgrade target remote EMS DB version and redirect EMS instance to it.	The command exits with no upgrade on target remote DB and no redirection.
Target remote DB has a newer EMS version than current EMS DB	The command exits with no redirection.	
No EMS DB is installed on target remote DB server	Deploy EMS DB on target remote DB server and redirect EMS instance to it. EMS instance will be a standalone.	The command exits with no EMS DB deployment on target remote DB server and no redirection.

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- ha get nodes on page 163 - returns a list of the EMS nodes of the current cluster. This also returns a list DB nodes even if EMS itself is not part of a cluster.

service

for querying and managing the statuses and log levels of EMS services

Options

```
-h, --help   help for service
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- service disable-debug - command to disable debug logging for a service(s)
- service enable-debug - command to enable debug logging for a service(s)
- service get - command to retrieve information about a service(s)
- service log - command to retrieve the latest log(s) for a service(s)
- service restart - command to restart a service(s)
- service start - command to start a service(s)
- service stop - command to stop a service(s)

service disable-debug

command to disable debug logging for a service(s)

Synopsis

`service disable-debug` disables debug logging for the named service(s).

Provide the name(s) of the services you wish to disable debug logs for to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service disable-debug [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_
ka|fcems_monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_
tag|fcems_chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_
dbop|fcems_adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_
forensics|fcems_ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Disables debug logging for all EMS services
  -h, --help          help for disable-debug
      --name string   Disables debug logging for the named service(s). Multiple services may be
specified (as a comma-separated list without spaces)
```

See also

- service - for querying and managing the statuses and log levels of EMS services

service enable-debug

command to enable debug logging for a service(s)

Synopsis

`service enable-debug` enables debug logging for the named service(s).

Provide the name(s) of the services you wish to enable debug logs for to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service enable-debug [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_
ka|fcems_monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_
tag|fcems_chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_
dbop|fcems_adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_
forensics|fcems_ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Enables debug logging for all EMS services
  -h, --help          help for enable-debug
      --name string   Enables debug logging for the named service(s). Multiple services may be
specified (as a comma-separated list without spaces)
```

See also

- service - for querying and managing the statuses and log levels of EMS services

service get

command to retrieve information about a service(s)

Synopsis

`service get` retrieves information about a service(s).

Provide the name(s) of the services you wish to retrieve information for to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service get [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_ka|fcems_
monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_tag|fcems_
chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_dbop|fcems_
adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_forensics|fcems_
ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Returns information for all EMS services
      --describe      Returns the description(s) of the service(s)
  -h, --help          help for get
      --name string   Returns information about the named service(s). Multiple services may be
specified (as a comma-separated list without spaces)
```

See also

- service - for querying and managing the statuses and log levels of EMS services

service log

command to retrieve the latest log(s) for a service(s)

Synopsis

`service log` prints the latest log(s) for a service(s).

Provide the name(s) of the services you wish to retrieve logs for to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

To filter returned log messages to only include messages containing a particular string, pass that string to the `--filter` flag.

The `--filter` flag can also filter on regex patterns; use the `--regex` flag if you would like it to be parsed as extended regex.

```
emscli service log [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_ka|fcems_
monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_tag|fcems_
chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_dbop|fcems_
adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_forensics|fcems_
ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all             Returns the most recent log(s) for all EMS service(s)
      --filter string   Results will be filtered to only display lines containing a provided
string. Grep-based regex is supported
      --follow          Monitors the named log file(s) and prints any new log messages as soon as
they are added
  -h, --help            help for log
      --ignore-case     Expands the filtered results to also contain case-insensitive matches
      --name string     Returns the most recent log(s) for the named service(s). Multiple services
may be specified (as a comma-separated list without spaces)
      --regex           Parses the string passed to the --filter flag using extended regex (rather
than basic regex)
```

See also

- service - for querying and managing the statuses and log levels of EMS services

service restart

command to restart a service(s)

Synopsis

`service restart` restarts the named service(s).

Provide the name(s) of the services you wish to restart to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service restart [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_ka|fcems_
monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_tag|fcems_
chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_dbop|fcems_
adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_forensics|fcems_
ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Restarts all EMS services
  -h, --help          help for restart
```

```
      --name string   Restarts the named service(s). Multiple services may be specified (as a
comma-separated list without spaces)
```

See also

- service - for querying and managing the statuses and log levels of EMS services

service start

command to start a service(s)

Synopsis

`service start` starts the named service(s).

Provide the name(s) of the services you wish to start to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service start [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_ka|fcems_
monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_tag|fcems_
chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_dbop|fcems_
adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_forensics|fcems_
ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Starts all EMS services
  -h, --help          help for start
      --name string   Starts the named service(s). Multiple services may be specified (as a comma-
separated list without spaces)
```

See also

- service - for querying and managing the statuses and log levels of EMS services

service stop

command to stop a service(s)

Synopsis

`service stop` stops the named service(s).

Provide the name(s) of the services you wish to stop to the `--name` flag as a comma-separated list, without spaces. More than one service name may be specified.

Passing the --all flag will supersede any names passed using the `--name` flag.

```
emscli service stop [apache2|web|webserver|fcems_probe|fcems_notify|fcems_ztna|fcems_ka|fcems_
monitor|fcems_ecsocksrv|fcems_wspgbouncer|fcems_das|fcems_pgbouncer|fcems_reg|fcems_tag|fcems_
chromebook|fcems_deploy|fcems_task|fcems_installer|fcems_upload|fcems_adevtsrv|fcems_dbop|fcems_
adconnector|fcems_mdmproxy|fcems_scep|fcems_sip|fcems_update|fcems_addaemon|fcems_forensics|fcems_
ftntdbimporter|fcems_
adtask|probe|notify|ztna|ka|monitor|ecsocksrv|ec|wspgbouncer|das|pgbouncer|reg|tag|chromebook|depl
oy|task|installer|upload|adevtsrv|dbop|adconnector|mdmproxy|scep|sip|update|addaemon|forensics|ftn
tdbimporter|adtask|event|events|fcems_event|redis-server|postgresql] [flags]
```

Options

```
      --all           Stops all EMS services
  -h, --help          help for stop
      --name string   Stops the named service(s). Multiple services may be specified (as a comma-
separated list without spaces)
```

See also

- service - for querying and managing the statuses and log levels of EMS services

system

for querying and updating system parameters on the machine where EMS is installed

Options

```
  -h, --help   help for system
```

See also

- emscli - EMS CLI - a tool for viewing and updating information about EMS
- system get - for retrieving a specific system parameter

- system set - for setting a specific system parameter
- system unset - for unsetting a specific system parameter

system get

for retrieving a specific system parameter

Options

```
  -h, --help   help for get
```

See also

- system - for querying and updating system parameters on the machine where EMS is installed
- system set - for setting a specific system parameter
- system get info - command to retrieve general system info and resource details of the EMS machine
- system get network - for getting a specific network parameter

system get info

command to retrieve general system info and resource details of the EMS machine

Synopsis

`system get info` retrieves general system information about the EMS machine.

Specify the information to be retrieved (ems, fips, os, kernel, ram, cpu, disk, ip, all) without flags.

Passing no arguments, or passing `all` as an argument, functions identically to passing the --all flag.

```
system get info [ems|fips|os|kernel|ram|cpu|disk|ip|hostname|airgap|all] [flags]
```

Options

```
      --all    Retrieves all system info
  -h, --help   help for info
```

See also

- system get - for retrieving a specific system parameter
- system set - for setting a specific system parameter
- system unset - for unsetting a specific system parameter

system get network

for getting a specific network parameter

Options

```
  -h, --help   help for network
```

See also

- system get - for retrieving a specific system parameter
- system get network domain - command to get dns search domains

system get network domain

command to get dns search domains

Synopsis

`system get network domain` gets dns search domain for one or all network adapters on the host

```
system get network domain [flags]
```

Options

```
      --adapter string   Name of the adapter to show search dns domains
      --all              To show search dns domains of all adapters
  -h, --help             help for domain
```

See also

- system get network - for getting a specific network parameter
- system set network - for setting a specific network parameter

system set

for setting a specific system parameter

Options

```
-h, --help   help for set
```

See also

- system - for querying and updating system parameters on the machine where EMS is installed
- system set airgapped - command to set this EMS instance/cluster as air-gapped. Air-gapped EMS are instances that do not have access to the internet to access Fortinet services.
- system set hostname - command to set system hostname
- system set network - for setting a specific network parameter
- system set proxy on page 180 - sets a HTTP/HTTPs proxy system wide

system set airgapped

command to set this EMS instance/cluster as air-gapped. Air-gapped EMS are instances that do not have access to the internet to access Fortinet services.

Synopsis

`system set airgapped` sets the EMS instance/cluster as air-gapped.

```
system set airgapped [flags]
```

Options

```
-h, --help   help for airgapped
```

See also

- system set - for setting a specific system parameter

system set hostname

command to set system hostname

Synopsis

`system set hostname` changes the hostname of the system

The new hostname will be automatically updated on EMS database after some seconds

```
system set hostname [flags]
```

Options

```
  -h, --help   help for hostname
```

See also

- system set - for setting a specific system parameter
- system set network - for setting a specific network parameter

system set network

for setting a specific network parameter

Options

```
  -h, --help   help for network
```

See also

- system set - for setting a specific system parameter
- system set hostname - command to set system hostname
- system set airgapped - command to set this EMS instance/cluster as air-gapped. Air-gapped EMS are instances that do not have access to the internet to access Fortinet services.
- system set network domain - command to set dns search domains
- system set network ip - command to set a static/dynamic IP on the network adapter

system set network domain

command to set dns search domains

Synopsis

`system set network domain` sets dns search domain for one or all network adapters on the host

```
system set network domain [flags]
```

Options

```
      --adapter string   The name of the ethernet adapter to be configured
      --add string       A comma-separated list (without spaces) of search dns domains to be added
to the adapter configuration
      --all              Configures search dns domains to all adapters
      --delete string    A comma-separated list (without spaces) of search dns domains to be
removed to the adapter configuration
  -h, --help             help for domain
```

See also

- system set network - for setting a specific network parameter
- system set network ip - command to set a static/dynamic IP on the network adapter

system set network ip

command to set a static/dynamic IP on the network adapter

Synopsis

`system set network ip` sets a static or dynamic IP on the network adapter.

The adapter name to set the IP on must be passed to the --adapter flag.

If the --dynamic flag is not specified, all three of the --ip, --gateway, and --dns flags must be specified.

To reset any previous DNS configuration, pass the --reset.dns and --dynamic flags together.

```
system set network ip [flags]
```

Options

```
      --adapter string   The name of the ethernet adapter to be configured
      --add.ip           Adds the ip address to the adapter configuration
      --dns string       Configures the network adapter IP to use a specified preferred DNS
server. Separate multiple DNS servers with comma. For example, dnsserver1,dnsserver2.
      --dynamic          Configures the network adapter to use a dynamic IP assigned by DHCP
```

```
      --gateway string   Configures the network adapter to use a specified network gateway
  -h, --help             help for ip
      --ip string        Configures the network adapter to use a specified static IP address and
subnet mask
      --remove.ip        Removes the ip address to the adapter cofiguration
      --reset.dns        If configuring the adapter to use a dynamic IP (--dynamic), resets any
previous DNS configuration
```

See also

- system set network - for setting a specific network parameter
- system set network domain - command to set dns search domains

system set proxy

sets a HTTP/HTTPs proxy system wide

```
emscli system set proxy [flags]
```

Options

```
  -h, --help              help for proxy
      --password string   The password for the user to authenticate on the proxy. If empty, and --
user is provided, there will be a prompt for the password.
      --skip.services     By default, proxy settings will also be applied to systemd services.
Using this flag will skip and leave those services without proxy setting.
      --url string        The URL for the proxy. It must be a valid URL that includes the
protocol/schema, e.g. http://myproxy.io:3128/
      --user string       The username to authenticate on the proxy server. Only required to be
used if the proxy requires authentication.
```

See also

- system set - for setting a specific system parameter

system unset

for unsetting a specific system parameter

Options

```
  -h, --help   help for unset
```

See also

- system - for querying and updating system parameters on the machine where EMS is installed
- system get - for retrieving a specific system parameter
- system set - for setting a specific system parameter
- system unset airgapped - command to set this EMS instance/cluster as NOT air-gapped
- system unset proxy on page 181 - unsets proxy settings

system unset airgapped

command to set this EMS instance/cluster as NOT air-gapped.

Synopsis

`system unset airgapped` sets the EMS instance/cluster as NOT air-gapped.

```
system unset airgapped [flags]
```

Options

```
  -h, --help   help for airgapped
```

See also

- system unset - for unsetting a specific system parameter
- system set airgapped - command to set this EMS instance/cluster as air-gapped. Air-gapped EMS are instances that do not have access to the internet to access Fortinet services.

system unset proxy

command to unset proxy settings.

Synopsis

`system unset proxy` removes proxy settings previous set in the environment.

```
emscli system unset proxy [flags]
```

Options

```
  -h, --help   help for proxy
```

See also

- system unset - for unsetting a specific system parameter

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