

1E Client command-line parameters

Summary

Command-line interface (CLI) parameters available to the 1E Client executable.

Some CLI actions invoke the 1E Client itself, whereas others are used to control execution of the 1E Client. Normally a user does not have to be aware of the options, but they can be useful for testing and debugging. These options work on all supported platforms except Android.

If **1E.Client.exe** is run without a CLI parameter it will output a usage message showing the options and syntax.

The syntax shown below shows all parameters starting with - but you can use / instead. CLI parameters are mutually exclusive unless noted otherwise.

When running these commands from a console, run as administrator (Windows) or prefix the commands with `sudo` (non-Windows).



A popular use of the CLI is to reconfigure settings in the 1E Client configuration file using the **-reconfigure** and **-restart** parameters.

For further guidance on using the **-reconfigure** parameter please refer to [Reconfiguring 1E Client](#).

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Command-line parameters

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- reconfigure *name1=value1*
- ...
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- start [-immediate]
- restart [-immediate]

Command-line parameters

-console

Instead of running the 1E Client as a service or daemon, run it as a console application. To stop the 1E Client, press `ctrl-C`.



This mode is for testing and should not be used unless advised by 1E.

-runservice

This is the normal invocation of the 1E Client to run it as a service or daemon.



Do not use this mode from the command line.

-uninstall[=*module1,module2,...*]

Run the uninstall action on all (by default) or the specified modules. Case is not significant.

Most modules use the default uninstall action which does nothing, but a few such as Nomad perform important tasks.

This CLI action checks that the 1E Client service/daemon is not currently running, and aborts if it is, because it is not safe to uninstall a module that is active.



New in v4.1

-getdbkey

In rare circumstances 1E Support may ask for a copy of the Tachyon persistent storage database files for diagnostic purposes. This option gives an encrypted form of the DB's key.



Do not use this option unless requested by 1E Support.



Because the DB is generated and encrypted by the 1E Client runs using the system account, you must fetch the key in the same context. On Windows the SysInternals `psexec` command is convenient for this, as follows:

```
psexec -s 1E.Client.exe -getdbkey
```

-reconfigure name1=value1 ...

This is a convenient way to change settings in the 1E Client configuration file. One or more name=value pairs should be specified, and the configuration file will be updated. A value can be empty, although that is only valid for a few configuration settings. Case of the name-part is not significant, but the case of the value is preserved when it is written to the configuration file.



You can change only configuration file settings using this method, you must use other methods to change registry settings. For further guidance please refer to [Reconfiguring 1E Client](#).



Any name=value pair can be added to the configuration file, no validation is done. If a key with the name does not already exist in the configuration file, it will be added to the file and a warning output (in case the name has been misspelled).

This CLI action can be used in combination with **-start** and **-restart** (and **-stop** although that is not very useful).



The 1E Client will not pick up the new configuration value(s) until it is restarted.

Examples

Set the `Switch` and `BackgroundChannelUrl` values, then restart the 1E Client (after a random stagger interval) to pick up the new values.

On Windows:

```
"C:\Program Files\1E\Client\1E.Client.exe" -reconfigure Switch=ACME-DMZ01.ACME.LOCAL:4000  
BackgroundChannelUrl=https://ACME-DMZ01.ACME.LOCAL:443/Background/ -restart
```

On Linux and Solaris:

```
/usr/sbin/1E.Client -reconfigure Switch=ACME-DMZ01.ACME.LOCAL:4000 BackgroundChannelUrl=https://ACME-DMZ01.  
ACME.LOCAL:443/Background/ -restart
```

On macOS:

```
cd /Library/Application Support/1E/Client # Do not prefix cd with sudo  
./1E.Client -reconfigure Switch=ACME-DMZ01.ACME.LOCAL:4000 BackgroundChannelUrl=https://ACME-DMZ01.ACME.  
LOCAL:443/Background/ -restart
```

-stdin

Read configuration values from standard input rather than the configuration file. This is only used with **-console** when debugging.



This mode is for testing and should not be used unless advised by 1E.

-stop [-immediate]

Stop the 1E Client service or daemon if it is running. If **-immediate** is given, the 1E Client will shut down immediately (or as soon as possible to preserve instruction integrity), otherwise it will happen after a random number of seconds in a range between the `ConnectionRetryTimeInSecondsMin` and `ConnectionRetryTimeInSecondsMax` configuration values. This is to prevent flooding, for example, the Tachyon Switch with offline messages, depending on which client options have been enabled.

-start [-immediate]

Start the 1E Client service or daemon if it is not already running. If **-immediate** is given, the 1E Client will start immediately, otherwise it will happen after a random number of seconds in a range between the `ConnectionRetryTimeInSecondsMin` and `ConnectionRetryTimeInSecondsMax` configuration values. This is to prevent flooding, for example, the Tachyon Switch with online messages, or Nomad content registration messages, depending on which client options have been enabled.

-restart [-immediate]

Stop the 1E Client service or daemon if it is running, then start it. If **-immediate** is given, this will happen immediately, otherwise it will happen after a random number of seconds in a range between the `ConnectionRetryTimeInSecondsMin` and `ConnectionRetryTimeInSecondsMax` configuration values. This is to prevent flooding, for example, the Tachyon Switch with offline and online messages, or Nomad content registration messages, depending on which client options have been enabled.
