

Gateway Command-line Utility

The Gateway Command-line Utility provides a list of commands you can use to perform specific functions in the Gateway. The Gateway Command-line Utility or **'gwcmd'** provides basic commands, such as resetting the main password, changing the Gateway's port, or restarting the Gateway.

A note to our legacy users...

Older versions of Ignition featured a visual Gateway Control Utility or GCU that could start and stop the Ignition service. This visual element of the GCU, as well as the ability to start and stop the service have since been removed in Ignition 8.0. For more information on starting or stopping the service, please see the [Gateway Settings](#) page.

More information on the older version of the GCU can be found in [Deprecated Features](#) of the user manual.

On this page

...

- [Command-line Utility Options](#)
- [Use the Command-line Utility to Start or Stop the Gateway](#)
- [Command-line Utility 'gwcmd' Options](#)
- [Reset the Password](#)

Command-line Utility Options

The Gateway command-line utility supports Windows, Linux, and Mac OS platforms. The **'gwcmd'** only runs on the same machine as the Ignition Gateway and requires administrative privileges.

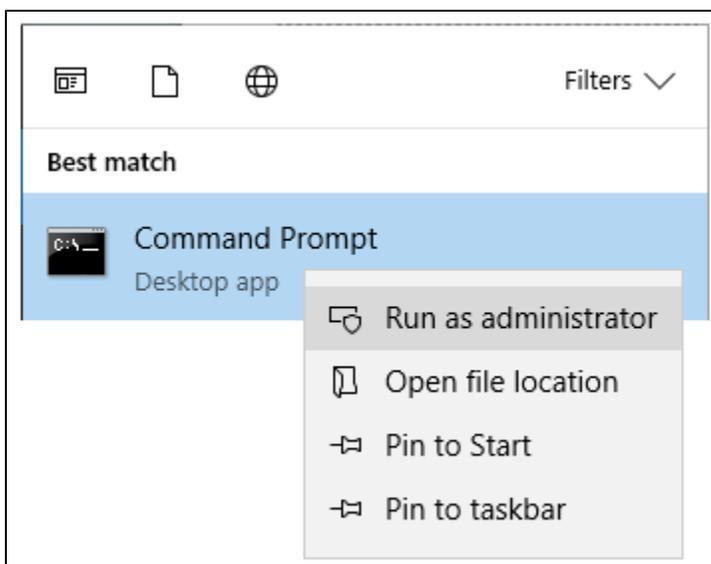


Gateway Command-line Utility

[Watch the Video](#)

To run the Gateway Command-line Utility, open a command shell and type: **gwcmd <option>**. This example uses the Windows platform:

1. Open the **Command Prompt** with admin privileges. In the search bar, enter **cmd** then right click next to the **Command Prompt** to select **Run as administrator**.



2. Any time you run any of the Gateway command utility options, you need to run them from the directory that Ignition is installed in. The default install directory is: **C:/Program Files/Inductive Automation/Ignition**.

- From here, you can enter any of the command options listed in the table below. This example is of a Gateway backup using the following command: **gwcmd -b "C:/Gateway Backups/Backup_190108.gwbk"**.



Using spaces in a file path

When using spaces in a file path name, use quotation marks around the full path name, as shown in the example above. Forward or backward slashes can be used to separate folders. The file path includes the disk name, folder path, and file name.

- The above command created a Gateway Backup on the C drive, in the Gateway Backups folder with a file name of Backup_190108.gwbk. The image below shows all the commands used in Steps 2 and 3.

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.17134.228]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>cd C:/Program Files/Inductive Automation/Ignition

C:\Program Files\Inductive Automation\Ignition>gwcmd -b "C:/Gateway Backups/Backup_190108.gwbk"
Gateway backup saved to C:/Gateway Backups/Backup_190108.gwbk

C:\Program Files\Inductive Automation\Ignition>
```

Use the Command-line Utility to Start or Stop the Gateway

One of the common uses for the Command-Line Utility is to start or stop the Gateway.

Windows

Ignition's installation directory contains `start-ignition.bat` and `stop-ignition.bat`, which can start or stop the service. Example:

```
C:\Program Files\Inductive Automation\Ignition> start-ignition.bat
```

However, you can also use Windows native service commands to control the running state of the Gateway:

```
net start ignition
```

```
net stop ignition
```

Linux

You can control the service using the `ignition.sh` script. It can be called with the `start` and `stop` parameters to perform the relevant operations.

For example:

```
/usr/local/bin/ignition/ignition.sh start
```

Additionally, you can use native terminal commands to start or stop the service:

```
service ignition start
```

```
service ignition stop
```

Mac OS X

You can access the service from the install directory using the "ignition.sh" script. On a typical Mac install using the dmg installer, the full command (without a custom location specified) is the following:

```
/usr/local/ignition/ignition.sh start
```

Command-line Utility 'gwcmd' Options

The following table lists all available 'gwcmd' options.

Options	Description
<code>-a, --activate <license-key></code> Offline activation	Creates an <code>activation_request.txt</code> file that can be used to request a <code>license.ip1</code> file from the Inductive Automation website. You must specify the license key to use for activation. The <code>activation_request.txt</code> file is saved in the current directory.
<code>-b, --backup <new filepath></code>	Downloads a Gateway backup <code>.gwbk</code> file and saves the file to the specified path. The path can be either an absolute path or a relative path. You will be prompted whether it is OK to overwrite the file if another <code>.gwbk</code> file with the same name already exists. You can override with the <code>-y</code> option to force the file to always be overwritten.
<code>-c, --clearks</code>	<div style="border: 1px solid black; background-color: #fff9c4; padding: 5px; text-align: center;">This feature is new in Ignition version 8.0.3 Click here to check out the other new features</div> Clears the gateway's SSL / TLS setup. The gateway's SSL / TLS connector will be immediately shut down.
<code>-e, --exportks <new filepath></code>	<div style="border: 1px solid black; background-color: #fff9c4; padding: 5px; text-align: center;">This feature is new in Ignition version 8.0.3 Click here to check out the other new features</div> Exports the gateway's SSL key store in PKCS12 format and saves to the specified path.
<code>-f, --exportpk <new filepath></code>	<div style="border: 1px solid black; background-color: #fff9c4; padding: 5px; text-align: center;">This feature is new in Ignition version 8.0.3 Click here to check out the other new features</div> Exports the private key from the gateway's SSL key store in PEM format and saves to the specified path.
<code>-g, --reloadks</code>	<div style="border: 1px solid black; background-color: #fff9c4; padding: 5px; text-align: center;">This feature is new in Ignition version 8.0.3 Click here to check out the other new features</div> Reloads the Gateway's SSL keystore from disk. Any update to the keystore will be automatically applied to any new connections.
<code>-h, --help</code>	Shows the usage for this command.
<code>-i, --info</code>	Retrieves server status and port information from the Gateway if it is running.
<code>-k, --port <new port></code>	Changes the Gateway http port.
<code>-l, --sslport <new port></code>	Changes the Gateway https port.
<code>-n, --nocrypt</code>	<div style="border: 1px solid black; background-color: #fff9c4; padding: 5px; text-align: center;">This feature is new in Ignition version 8.0.3 Click here to check out the other new features</div> Add to the export private key command to not encrypt the private key.

-o, --name	<div data-bbox="467 163 1273 247" style="border: 1px solid black; background-color: #f9e79f; padding: 5px; text-align: center;"> <p>This feature is new in Ignition version 8.0.3 Click here to check out the other new features</p> </div> <p>Specifies a Gateway name while restoring a backup. Additionally, the <code>-y</code> command now skips prompts asking for a Gateway name override.</p>
-p, --passwd	Enables a password change for the initial user.
-r, --restart	Restarts the Gateway.
-s, --restore	Restores a Gateway backup (.gwbk) file.
-t, --tdump	Performs a thread dump in the Gateway and prints the dump to the command-line.
-u, --unactivate Offline unactivation	Creates an <code>unactivation_message.txt</code> file that you can use to unactivate a license via the Inductive Automation website. The <code>unactivation_message.txt</code> file is saved in the current directory.
-w, --uselicense <license.ipl path>	Applies a <code>license.ipl</code> file that was downloaded from the Inductive Automation website. You must supply the location of the <code>license.ipl</code> file. If it is in the current directory, use <code>license.ipl</code> for the location.
-y, --promptyes	Automatically answers <code>yes</code> to any prompt that may appear in the above commands, such as permission to overwrite an existing file.

Reset the Password

If something happened and you can't get into the Gateway Webpage anymore, you may need to reset the master username/password. You can use this Gateway Command-line Utility to reset the main password for the user with full privileges. This '[gwcmd](#)' utility triggers system commissioning, and prompts the user to enter a username and password for the main user (with full privileges) after the [Gateway](#) restarts.