Scripting Functions

The Ignition scripting API, which is available under the module name "system", is full of functions that are useful when designing projects in Ignition. From running database queries, manipulating components, to exporting data, scripting functions can help. Some of these functions only work in the Gateway scope, and other only work in the Client scope, while the rest will work in any scope.

Additional information on scripting Ignition can be found in the Scripting section.

In this section, we cover all of the built in scripting functions available inside of Ignition. Each page will have a banner at the top that looks like this:

This function is used in **Python Scripting**.

This lets you know that you are looking at a function for the Python scripting language.

**Keyboard Shortcut**

A complete list of these functions (with their definitions) is available wherever you can add a script. Just type `system` and then press `Ctrl+Space` to get a list of all the functions available. If you keep typing, the list will even be automatically narrowed down for you!

**FactoryPMI**

"I'm upgrading from FactoryPMI - will my calls to fpmi.* still work?"

Yes. Ignition's scripting API is backwards compatible. You'll probably want to gradually move your "fpmi" references to "system" but you don't need to.

**System Functions**

You can see below there are many different categories of system functions available for your use. For an overview and syntax scripting, refer to the Python Scripting section.

- system.alarm
- system.dataset
- system.date
- system.db
- system.device
- system.dnp3
- system.eam
- system.groups
- system.gui
- system.math
- system.nav
- system.net
- system.opc
- system.opchda
- system.security
- system.serial
- system.sfc
- system.tag
- system.twilio
- system.user
- system.util
system.file  system.opcua
system.perspective
system.print
system.report