

# I

2	A	B	C	D	E	F	G	H	I	J
K	L	M	N	O	P	Q	R	S	T	U
V	W	X	Y	Z						

(I) **14** terms

## I/O Created Sep 11, 2018 (21:30)

I/O (Input/Output) commonly refers to the data points of a PLC. Specifically, the input and output wires of a PLC are directly connected to a nearby machine. Usually Ignition will interact with other memory locations in the PLC, but sometimes users want to see the exact value coming from a machine.

## Ignition Created Sep 11, 2018 (21:30)

Ignition software started as a SCADA/HMI application. Built by Inductive Automation, Ignition has grown to become a universal platform for industrial automation. With one server license you can seamlessly connect your data, design an industrial application, and instantly web-deploy unlimited clients. Ignition interacts with PLCs, logs data, manages alarms and notifications, creates reports, interfaces with databases, and much more.

## Inductive Automation Created Sep 11, 2018 (21:30)

Abbreviation(s): IA

Inductive Automation is the company that created Ignition. We started from Integrator roots and built our software to be as easy to use and powerful as possible. We strive to make our software fit every need, and love to hear from you about how we are doing. If you have an idea about how we can improve, check out [ideas.inductiveautomation.com](https://ideas.inductiveautomation.com) to let us know.

## industrial control system Created Oct 11, 2018 (18:51)

Industrial control system is a general term that refers to several types of control systems used in industrial production, including Supervisory Control and Data Acquisition (SCADA) systems and smaller control system configurations such as programmable logic controllers (PLC) often found in the industrial and critical infrastructures.

## Integrator Created Sep 11, 2018 (21:30)

An Integrator is a person or company who specializes in integrating control systems into manufacturing processes. Integrators are the heart of Inductive Automation; they are the ones called on to create an Ignition project in a facility or expand existing systems.

## iterate Created Sep 11, 2018 (21:30)

Iterating through a list of items means stepping through them one at a time. The iterator is the object (usually a variable) that is holding the current item as you step through the list. You often hear these terms when talking about loops in scripting.

## Input/Output Created Oct 3, 2018 (18:21)

See I/O.

---

## IoT Created Oct 3, 2018 (23:01)

The Internet of Things (IoT) is the network of devices, home appliances, vehicles, and other items embedded with electronics and software. The devices collect and share huge amounts of data across the Internet. With the IoT, there is more direct integration of the physical world into computer-based systems, resulting in efficiency improvements, economic benefits, and reduced human exertions. IoT involves extending Internet connectivity beyond standard devices, such as computers and smartphones, to any range of traditionally dumb or non-internet-enabled physical devices and everyday objects. Embedded with technology, these devices can communicate and interact over the Internet, and they can be remotely monitored and controlled. See also IIoT.

---

## Internet of Things Created Oct 3, 2018 (23:02)

See IoT.

---

## IIoT Created Oct 3, 2018 (23:04)

*Synonym(s):* Industrial Internet, Industry 4.0

The Industrial Internet of Things (IIoT) is the use of Internet of Things (IoT) technologies to enhance manufacturing and industrial processes. Also known as the Industrial Internet or Industry 4.0, IIoT incorporates machine learning and big data technologies to harness the sensor data, machine-to-machine (M2M) communication and automation technologies that exist in industrial settings. One notable goal of IIoT is to create a very simple architecture where all devices are pointed in to a central data collector (like a database). This will make setting up or adding to factories very simple. See also IoT.

---

## Industrial Internet of Things Created Oct 3, 2018 (23:04)

See IIoT.

---

2	A	B	C	D	E	F	G	H	I	J
K	L	M	N	O	P	Q	R	S	T	U
V	W	X	Y	Z						

(I) **14** terms

## interpolation Created Oct 23, 2018 (22:24)

In math, interpolation is a method of constructing new data points within the range of a discrete set of known data points. Ignition can use interpolation in a number of places, but it is notably used in the Tag Historian query system to intelligently generate additional values when the desired number of data points is greater than the amount of data stored in the database.

---

## **Identity Provider** Created Dec 1, 2018 (00:32)

An Identity Provider (IdP) offers user authentication as a service. An IdP creates, maintains, and manages identity information for principals while providing authentication services to relying party applications within a federation or distributed network. Ignition 8 integrates with existing corporate identity infrastructures that use two-factor authentication (2FA).

---

## **IdP** Created Dec 1, 2018 (00:32)

See Identity Provider.

---