

M

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(M) **13** terms

Memory Tag Created Sep 28, 2016 (22:28)

These tags are simple values. The value is specified during configuration, and it is stored when written to (if the tag allows writing).

MES Created Sep 28, 2016 (22:28)

A Manufacturing Execution System (MES) is a control system for managing and monitoring work-in-process on a factory floor. Manufacturing information is tracked by the MES in real time as it receives data from robots, machine monitors, and employees.

An MES can be used to operate as a self-contained system or integrated with Enterprise Resource Planning (ERP) software suites. The goal of an MES is to improve productivity and reduce the total time to produce an order (cycle time). By integrating an MES with ERP software, factory managers can understand how current conditions on the plant floor can be optimized to improve production output.

MES systems generally include OEE, Downtime, Track and Trace, and other data management systems.



Microsoft SQL Server Created Sep 28, 2016 (22:28)

Abbreviation(s): MS SQL

Synonym(s): SQL Server

Microsoft's flagship database. Ignition connects easily to it and can use it to store or retrieve data.

Mobile Created Sep 28, 2017 (23:44)

Synonym(s): Mobile Module

In Ignition, mobile usually refers to using a device such as a phone or tablet to launch a client. The Mobile Module is required to launch these clients since they would otherwise require a Java installation.

Modbus Created Sep 28, 2016 (22:28)

Modbus is a serial communications protocol originally developed in 1979 for use with programmable logic controllers (PLCs). Modbus is transmitted over serial lines between devices. Many devices around the world (sometimes referred to collectively as 'Modbus devices') use this protocol to share data with other systems like Ignition.

modular Created Mar 24, 2017 (18:35)

Synonym(s): modular architecture

This refers to an architecture type that allows you to add and remove pieces (modules) to change the functionality, instead of installing a different piece of software for each possible configuration. We say that Ignition has a modular architecture because you can pick and choose which modules you want and ignore the rest.

A modular architecture sometimes includes the ability to add and remove functionality without stopping the software. This is referred to as a 'hot swap,' and is built into Ignition.

Modules Created Sep 28, 2016 (22:28)

A compartmentalized addition to an Ignition server that when installed will introduce extra features. Modules can be added or removed from the Gateway Webpage, and additional modules can be downloaded from the Inductive Automation website.

MQTT Created Sep 28, 2016 (22:28)

• [MQTT](#)

Message Queueing Telemetry Transport is a standard machine-to-machine data transfer protocol. The Cirrus Link modules are often referred to as the 'MQTT modules' because they use this protocol to send data between the server and devices.

multivariate Created Oct 30, 2018 (20:47)

Multivariate describes data involving two or more variable quantities. Multivariate analysis is a set of techniques used for analysis of data sets that contain more than one variable, and the techniques are especially valuable when working with correlated variables. For example, if you are using compressed air in your process you may want to track both the air pressure and the air temperature to determine maximum efficiency.

MySQL Created Sep 28, 2016 (22:28)

A relational database. Ignition connects easily to it and can use it to store or retrieve data.

Manufacturing Execution System Created Oct 30, 2018 (20:39)

See MES.

Message Queueing Telemetry Transport Created Oct 30, 2018 (20:39)

See MQTT.

mnemonic Created Oct 30, 2018 (20:48)

In Ignition, a mnemonic is an underlined alphanumeric character that appears in a menu title, menu item, or the text of a button or component of the user interface. Used in conjunction with the Alt key, a mnemonic gives the user a keyboard shortcut to access an item (rather than having to use the mouse to navigate).

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