T

(T) **20** terms

Tag Created Sep 11, 2018 (21:30)

Tags in Ignition are points of data, and can have static or dynamic values that come from an OPC address, an expression, or a SQL query. They also offer scaling, alarming, and meta information facilities. The different types of tags include: OPC tags, Memory Tag, Expression Tag, SQL Query Tags, and Complex Tags.

Tags in a PLC are very similar but lack many of the meta properties that Ignition tags have. Usually, these PLC tags only have a value, timestamp, and the OPC Server will sometimes add a quality property to them.

TEEP Created Sep 11, 2018 (21:30)

TEEP stands for Total Effective Equipment Performance.

Overall Equipment Effectiveness (OEE) quantifies how well a manufacturing unit performs relative to its designed capacity, during the periods when it is scheduled to run. Total Effective Equipment Performance measures OEE against calendar hours, for example, 24 hours per day, 365 days per year. This is useful for companies that want a metric for how effective their scheduling is.

Template Created Sep 11, 2018 (21:30)

A template is an object that you can use to create many identical copies. In Ignition, a Template is referring to the Vision module's Template feature that allows you to link many components together as a definition and create instances across your projects. Updating the master will update all instances.

There are Tag templates too, but these are called User Defined Types (UDTs).

third-party Created Sep 11, 2018 (21:30)

Synonym(s): third party, 3rd party

Third party software only makes sense in relation to other software. It almost always means that there is an additional piece of software that works with or inside of another piece of software, but it was created by a company other than the one that made the main software. With Ignition, we have other companies that make modules, and both the company and the module is considered 'third-party.'

time series Created Sep 11, 2018 (21:30)

Synonym(s): time-series, timeseries

This is the most common way to show data in a chart. Data points are plotted against time.

Total Effective Equipment Performance Created Oct 3, 2018 (20:32)

See TEEP.

Touchscreen Created Sep 11, 2018 (21:30)

A computer monitor that can be operated by touch (like a smartphone or tablet) instead of requiring a mouse. Usually referred to as a touchscreen terminal that often has a full computer included in it, making it a standalone option that can be mounted in a control panel. Ignition has a built-in Touchscreen Mode that takes advantage of these devices by showing a keyboard when needed.

Transaction Groups Created Oct 3, 2018 (20:34)

The SQL Bridge module uses Transaction Groups to transfer data between OPC devices like PLCs and databases. They perform a variety of actions, such as storing data historically, synchronizing database values to OPC, or loading recipe values. A variety of group types, item types, and options means that Transaction Groups can be configured to accomplish almost any task. There are four types of groups: Historical, Standard, Block, and Stored Procedure.

Translation Manager Created Sep 11, 2018 (21:30)

The Translation Manager is where new terms and phrases are added to the translation database. The translation database can be viewed and edited in the Translation Manager located in the Designer.

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trending Created Sep 11, 2018 (21:30)

> *Synonym(s):* history

Trending or trending screens are displays that show historical data. Usually shown as charts on a window, these displays will track changes over time so you can see rising or falling levels and predict what your process is doing.

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trigger Created Sep 11, 2018 (21:30)

A trigger is an event or value used to initiate some action. Often we talk about PLC tags being triggers for a Transaction Group to run, for example, when a tag value changes to true, the Transaction Group will start entering records in the database. You might also hear about a 'triggered execution.' This is just a fancy way of saying that a trigger caused something to start running.

Also, a trigger can refer to triggering an Event Script to happen. This just means that the corresponding event happened and caused the code to start running.

TCP Created Oct 8, 2018 (22:23)

The Transmission Control Protocol (TCP) standard defines how to establish and maintain a network conversation through which applications can exchange data. TCP works with the Internet Protocol (IP), which defines how computers send packets of data to each other. The entire IP suite used to interconnect network devices on the Internet is commonly referred to as TCP/IP. See also UDP.

Transmission Control Protocol Created Oct 8, 2018 (22:24)

See TCP.

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tuple Created Nov 2, 2018 (16:53)

In mathematics, a tuple is a finite ordered list (sequence) of elements. In Python, a tuple is a sequence of immutable Python objects. Tuples are sequences similar to lists. Tuples use parentheses, cannot be changed (immutable), and can hold mixed data types. Lists use square brackets. Creating a tuple is as simple as making a list of comma-separated values.

Title 21 CFR Part 11 Created Nov 21, 2018 (23:27)

Title 21 CFR Part 11 (21 CFR 11) is the section of the Code of Federal Regulations (CFR) that deals with Food and Drug Administration (FDA) guidelines on electronic records and electronic signatures in the United States. It defines the criteria under which electronic records and electronic signatures are considered trustworthy, reliable, and equivalent to paper records. Ignition can use Active Directory for its authentication, which is part of 21 CFR 11. For more information, see 21CFR11 Ignition Compliance White Paper.

Two-Factor Authentication Created Nov 30, 2018 (23:49)

Two-Factor Authentication (2FA) is a secure method of identifying users. A user's claimed identity is confirmed by using a combination of two different factors: 1) something they know, 2) something they have, or 3) something they are. Ignition 8 integrates with existing corporate IdPs that use 2FA to verify the identity of users.

Tag group Created Jan 28, 2019 (16:07)

A Tag group (formerly scan class) dictates how often an Ignition Tag will get new values (poll) from the PLC. A Tag group can be set to any rate you want. Generally a Tag group will run every second, or something similar. There are several modes available, and ways to make changes to the poll rate on the fly. You can learn more about Tag groups here.

Transport Layer Security Created Jan 28, 2019 (16:11)

Transport Layer Security (TLS) is a cryptographic protocol designed to provide communications security over a computer network. It is the successor to the Secure Socket Layer (SSL) security protocol.

TLS Created Jan 28, 2019 (16:12)

See Transport Layer Security.

Typeahead Created Oct 14, 2019 (16:37)

> *Synonym(s):* autocomplete autosuggest
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Typeahead (also known as autocomplete or autosuggest) is a language prediction tool that search interfaces use to provide suggestions as users type in a query. Typeahead menus drop down below the search bar as users type and change with each keystroke to provide increasingly accurate predictions. The Perspective - Dropdown component can be configured with scripting to create a typeahead search.