

Google Cloud Injector Module

By Cirrus Link Solutions



The Google Cloud Injector module easily connects any tag data from the Inductive Automation Ignition platform into the Google cloud infrastructure. With simple configuration, tag data will flow into the Google Cloud using an easy to read and efficient JSON representation.

With the operational data from Ignition in Google cloud you can unleash the power of the Google Cloud Platform for big data applications, predictive maintenance, predictive analytics, AI, and vastly improve operations and ultimately insight into your business processes.

Operational data seamlessly pushed to the cloud



The Google Cloud Injector module is available for both Ignition Gateway and Ignition Edge, allowing data to flow directly to the cloud from any point in the network.

Extremely simple to configure

For tutorials visit <https://docs.chariot.io/display/CLD/Google+Cloud+Injector>

Features

- Connects to any Tag Data
- Easy to Configure
- Efficient reporting scheme
- Use in Ignition Gateway or EDGE
- Does not require MQTT infrastructure

Supported Operating Systems

Windows Server 2008/2012, Windows 7, 8, and 10. Ubuntu Linux 12.04 or later Other Java SE-enabled OSes1

Supported Databases

- Microsoft® SQL Server
- MySQL
- Oracle
- PostgreSQL

Requirements

- Java SE 8 (server)
- Java SE 6, 7, or 8 (client)
- 1024 MB RAM3
- 1 GB free HD space
- (Requirements vary by usage)

Ignition is compatible with any Java SE 8-enabled OS. Full support is only offered for listed OSes.

Google Cloud Injector Settings

General | Cloud IoT Core | Sets | Tag Agents

Tag Provider Name	Tag Path	Convert UDTs	Set	Auto-discover Tags	Group ID	Edge Node ID	Device ID
default	Edge Nodes	false	Default	false			

→ Create new Tag Agent Settings...

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Operational data is seamlessly pushed to the cloud

Once the data is inside Google cloud, there is a large selection of tools and business partners available specifically designed for big data analytics.

Using Google big data tools, the user will be able to perform:

- Big Data analytics
- Predictive maintenance
- Predictive analytics
- Artificial Intelligence

Gain insight needed to deliver intelligent actions that improve customer engagement, provide market differentiators, increase revenue, and lower costs.

Powered by Ignition: Google Cloud Injector Modules are powered by Ignition, the powerful HMI, SCADA, and MES software platform from Inductive Automation providing cross-platform compatibility, unlimited free clients, robust out-of-the-box SQL database support, and fast installation.



Leveraging the full power of the Ignition universal industrial automation platform with fully integrated HMI/SCADA functionality, the Google Cloud Injector Modules will unleash the true value of your IIOT Data.