Web Services Module

MES BUILT ON IGNITION®

The Sepasoft™ Web Services Module gives your Ignition® Server the ability to communicate with modern and legacy web services. Web Services will enable you to consume data from and send data to remote and local Web Services, via both REST and SOAP protocols. What's more, the Web Services Module turns your Ignition® Server into a RESTful and SOAP web service, such that you can be the source of accurate data at any time.

Consume and Update Vital Information

The Web Services Module's consumer or client functionality gives your Ignition® Server the power to retrieve and send data to web services. It can enable you to obtain weather or mapping data from a (Representational State Transfer) RESTful Application Program Interface (API), or gather upcoming work orders from your Enterprise Resource Planning's (ERP) Simple Object Access Protocol (SOAP) interface. The Web Services Module's intuitive interface lets you configure your request once, and then apply it across your Ignition® projects. No more rewriting complex REST queries—simply run your custom-configured Web Service.

Provide Essential Information

The Web Services Module also enables you to be a provider of data, via REST or SOAP, to other systems. Rather than generating and passing around static reports, you can enable your organization to retrieve up-to-date production data on-demand. What's more, you can also give others the power to perform actions from outside of the Ignition® context. Clear alarms, edit your production schedule—you can make a web service for nearly anything you can do in Ignition®, giving the right people the ability to make choices and enabling remote systems to perform operations. The Web Services module even demystifies the SOAP protocol, giving you a simple UI to create the data structure you wish to serve, and automatically generating your Web Services Description Language (WSDL) file!

Built-in Security

Web Services consumers can successfully communicate with Web Services that use Basic, Digest, and NTLM security protocols, ensuring that your communications are secure. Web Services providers can be configured to use your existing Ignition® User Sources, so your Web Service is every bit as secure as your Ignition® Server. In addition, all communications can be sent via SSL, ensuring your communications are encrypted and secure.

Features

RESTful Client
SOAP Client
RESTful Provider
SOAP Provider
Use Ignition® Tags + Expressions for inputs

Supported Operating Systems

Windows Server 2008/2012/2016
Windows 7, 8, 10, or later
Ubuntu Linux 12.04 or later
Other Java SE enabled OSes*

Requirements

Ignition® Core Modules
Java SE 8+ (server)
Java SE 6, 7, 8, or 9 (client)
Quad-core processor (32- or 64-bit)
8GB RAM
10GB free HD space
(requirements vary by usage)

*Ignition® is compatible with any Java-enabled operating system. Full support is only offered for listed operating systems.

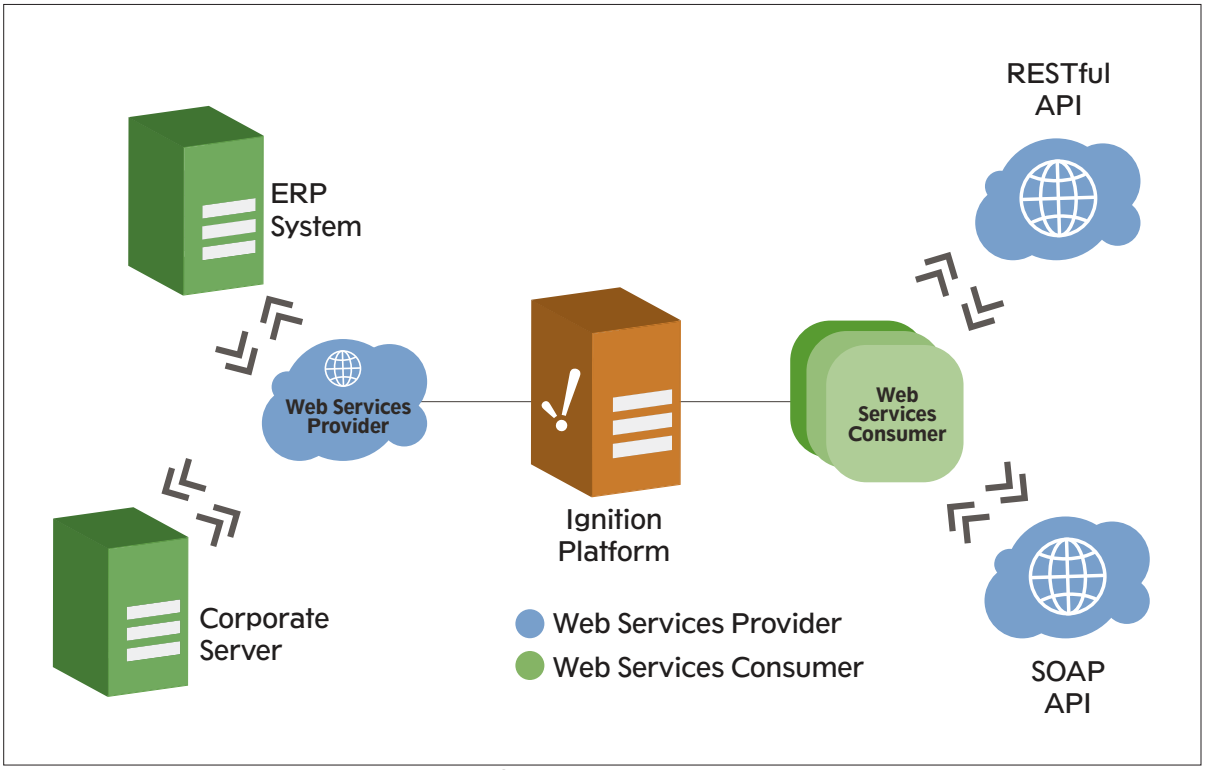
Business Connector Compatibility

The Web Services Module integrates seamlessly with the Sepasoft™ Business Connector, enabling you to visually construct complex workflows that incorporate web service calls via an intuitive drag-and-drop interface. Eliminate the need for complex scripting by using Business Connector's simple sequence chart builder, and get your data where you need it, when you need it.

Built on Ignition®

Web Services installs as a module on Ignition®, the powerful, award-winning, HMI, SCADA, and industrial software platform from Inductive Automation. This module works seamlessly with the MES Suite, built to help your enterprise align with ISA-95 model standards.

By leveraging the power of Ignition®, the Sepasoft™ modules are unlike any other MES offering available on the market.



Web Services Provider and Consumer Relationships on the Ignition® Platform.

For more information, please visit our Web Services product page:
www.sepasoft.com/products/web-services