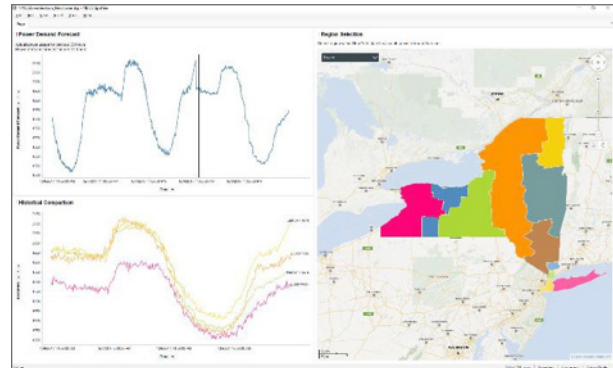


MATLAB Production Server Interface for TIBCO Spotfire Software

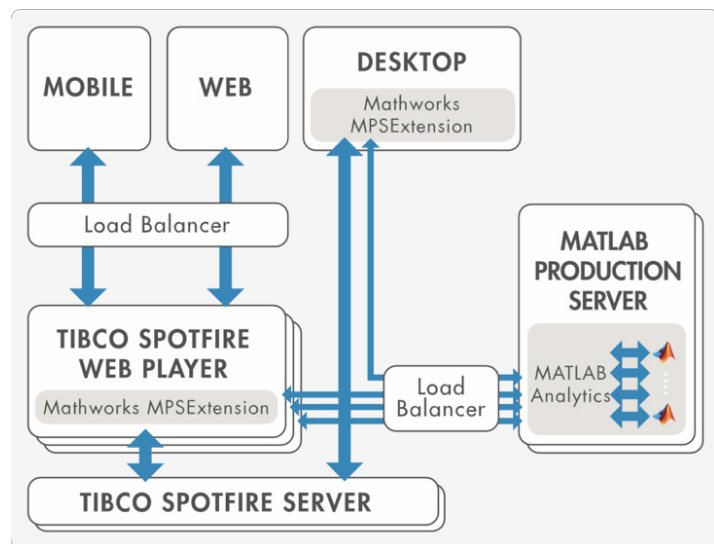
Reference Architecture Brief

MATLAB Production Server™ Interface for TIBCO Spotfire® Software is a Spotfire extension that provides a link to a robust and scalable MATLAB® analytics engine. This extension supports advanced analytics processing for multiple concurrent users within the Spotfire environment.



Reference Diagram

MATLAB Production Server Interface for TIBCO Spotfire Software is managed and deployed to Spotfire desktop, web, and mobile clients using the Spotfire Server.



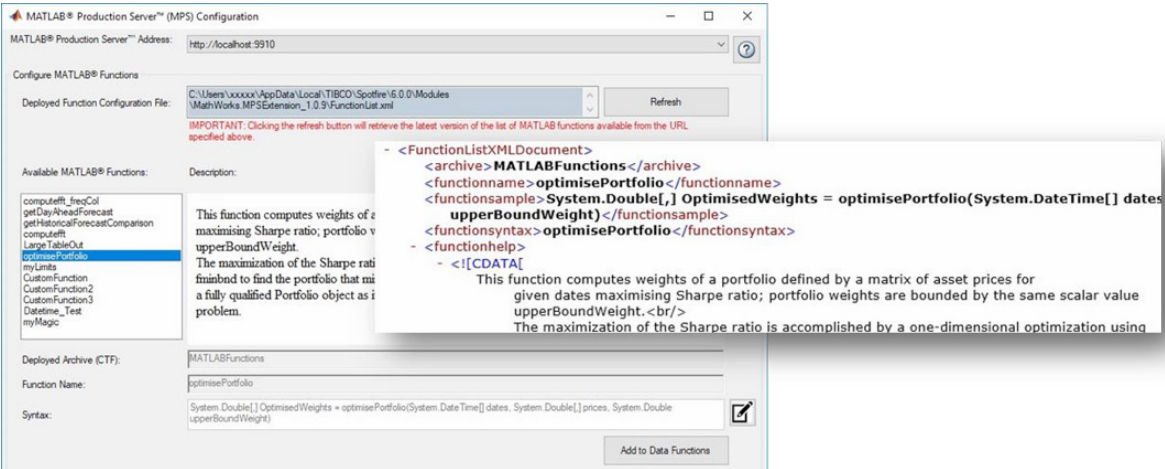
MATLAB programs are packaged using MATLAB Compiler SDK and hosted on MATLAB Production Server. Spotfire clients use the extension to make calls and pass data to these MATLAB programs.

- MATLAB programs are packaged and encrypted for use on MATLAB Production Server
- It uses the HTTP protocol (default port of 9910)
- You can scale out MATLAB Production Server capacity using basic round robin load balancing techniques (the extension assumes the MATLAB programs are called as stateless functions)
- It supports standard Spotfire data types

Configuration

A MATLAB Production Server configuration tool is provided as part of the extension, which:

- Allows users to define the location of one or more MATLAB Production Server instances
- Provides a library of MATLAB programs that can be chosen for use in Spotfire applications
- Defines and manages configurations using XML configuration files



System Components

In addition to MATLAB Production Server Interface for TIBCO Spotfire Software, the following products are required.

MATLAB & Simulink Products (R2014b or later)	TIBCO Products (version 6.0 or later)
<p>MATLAB®</p> <p>MATLAB Compiler™</p> <p>MATLAB Compiler SDK™</p> <p>MATLAB Production Server™</p>	<p>TIBCO Spotfire® Server</p> <p>TIBCO Spotfire® Web Player</p> <p>TIBCO Spotfire® Analyst and Consumer Clients</p> <p>Note: TIBCO Spotfire® Statistical Services provides for an alternate interface to MATLAB. Learn more about which <i>configuration is best for you.</i></p>

For More Information

Explore Data Analytics with MATLAB

mathworks.com/data-analytics

Contact MathWorks Sales

mathworks.com/company/aboutus/contact_us/contact_sales.html