

# Open Source Modules

Servoy provides a collection of open source Servoy modules which are ready for developers to use, extend or contribute.

Each module is maintained and released independently. Source code, documentation and release packages are available on Github, at their own project repository. Checkout the **master** branch to get the source code of the latest stable release or checkout the **develop** branch of the project to get the latest source code available.

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## svyUtils

'svyUtils' is a module of the Servoy Business Application Platform. It provides a wide range of low-level utility methods and application concepts for Servoy solutions. Read more about svyUtils in the [wiki](#) section of the project.

Download the latest [release](#) as a prebuilt .servoy export or checkout the latest source code from our Git repository [svyUtils](#).

### ***LogManager***

Provides finegrained logging functionality built with performance and configurability in mind.

### ***EventManager***

Provides the ability to (de)register listeners for events and fire events. Aims to provide a way to decouple hard links in code between otherwise stand-alone code

### ***ApplicationCore***

It offers default implementations for the solutions onError and onDataBroadcast events and provides a module initialization mechanism.

The aim of this module is to provide the API's for 3rd party modules to allow easy integration.

### ***Web Client utils***

Set of utility methods specifically for the Servoy Web Client Also replaces (most) of the functionality of the [WebClientUtils](#) plugin.

### ***Smart Client utils***

Set of utility methods specifically for the Servoy Smart Client.

### ***Excel utils***

Set of utility methods for read, create and manipulate Excel Workbooks. Does not requires Microsoft Excel.

### ***LogManagerAppenders Utils***

Provides a set of Appenders plugins for the [LogManager](#) Loggers. The implemented appenders allow to append logs in database and in a log file.

### ***UnitTest Utils***

Utility methods for unit testing.

## svyJFXWebView

A HTML5 WebView component for the Servoy Smart Client. 'svyJFXWebView' is a module of the Servoy Business Application Platform.

The WebView component brings HTML5 to the Servoy Smart Client. Based on the JavaFX WebView technology, it allows embedding HTML(5) content onto forms, with full bidirectional scripting access

The component allows for displaying websites, as well as displaying custom HTML markup generated by the application.

Read more about svyJFXWebView in the [wiki](#) section of the project.

Download the latest [release](#) as a prebuilt .servoy export or checkout the latest source code from our Git repository [svyJFXWebView](#).

## svyGoogleMaps

The GoogleMaps component allows to use google maps within Servoy Smart Client and Web Client.

The GoogleMaps component is implemented on top of the [google maps Javascript API v3](#). The component has similar API ( not all GMaps API are implemented ) which allows to display maps on Servoy forms and interact with them.

Read more about svyGoogleMaps in the [wiki](#) section of the project.

Download the latest [release](#) as a prebuilt .servoy export or checkout the latest source code from our Git repository [svyGoogleMaps](#).

## svyGoogleAnalytics

The svyGoogleAnalytics module offer an API for Google Analytics tracking.

Use svyGoogleAnalytics to analyze your customer behavior on your Servoy solution and help you in understanding how to better meet the needs of your customer. Use the API to track the user behavior and analyze the results in your Google Analytics report dashboard accessible on the [web](#)

The Servoy GoogleAnalytics API are implemented on top of the [Google Analytics API](#). The API allows you to track pages visiting and events of the User Agent.

Read more about svyGoogleAnalytics in the [wiki](#) section of the project.

Download the latest [release](#) as a prebuilt .servoy export or checkout the latest source code from our Git repository [svyGoogleAnalytics](#).

## svyPayPal

PayPal API for Servoy clients

Read more about svyPayPal in the [Readme](#) section of the project.

Download the latest [release](#) as a prebuilt .servoy export or checkout the latest source code from our Git repository [svyPayPal](#).

## svyComponent

'svyComponent' is a module of the Servoy Business Application Platform which allow to easily integrate stateful web components into Servoy Smart Clients and Web Clients. Web Components created with the svyComponent module have nothing to do with the custom Web Components which can be created for the NGClient.

Checkout the project svyGoogleMaps to see how the module svyComponent can be used to create web components which can be easily integrated into Servoy clients.

Read more about svyComponent in the [Readme](#) section of the project.

Download the latest [release](#) as a prebuilt .servoy export or checkout the latest source code from our Git repository [svyComponent](#).

## svyJenkinsConfig

'svyJenkinsConfig' is a project of the Servoy Business Application Platform. It provides a build.xml file which can be used in the Jenkins build process of Servoy test solutions.

The build.xml is configured for code instrumentation with Istanbul code coverage and Plato code analysis.

Read more about svyJenkinsConfig in the [Readme](#) section of the project.

Download the latest [pre-release](#) as a .zip package or checkout the latest source code from our Git repository [svyJenkinsConfig](#).

## svyDataBroadcaster

This module is intended to help synchronize Servoy applications when 3rd-party applications have modified the underlying database contents.

When this happens, Servoy clients are not aware of the change. Any data which has been cached will no longer reflect the true state of the database. To compensate for this, svyDataBroadcaster exposes a REST webservice endpoint allowing 3rd-party applications to notify a Servoy Application Server when there has been a change.

Read more about svyDataBroadcaster in the [Readme](#) section of the project.

Download the latest [release](#) as a prebuilt .servoy export or checkout the latest source code from our Git repository [svyDataBroadcaster](#).

## svySearch

'svySearch' is a module of the Servoy Business Application Platform. It provides APIs for text-based, user-interactive searching.

Read more about svySearch in the [Readme](#) section of the project.

Download the latest [release](#) as a prebuilt .servoy export or checkout the latest source code from our Git repository [svySearch](#).

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