

SolidOpt Now!

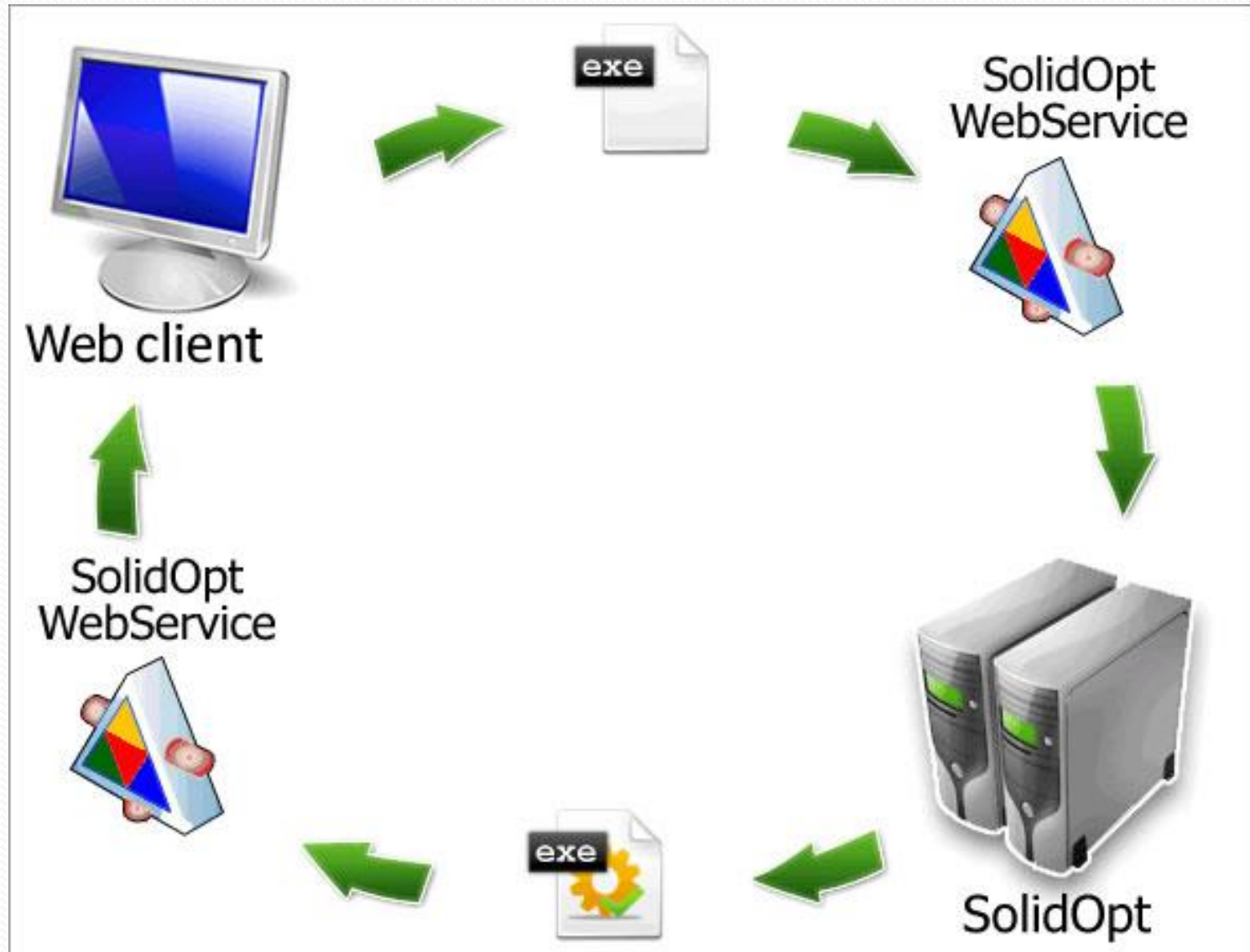
Flex based interfaces for SolidOpt

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Goals of the subproject

- Building a suitable and flexible Web interface
- Developing a Webservice for SolidOpt
- Designing an expandable architecture

How the system works



Exploring SolidOpt Now!

The screenshot shows the Solid Optimizer web application running in Mozilla Firefox. The browser's address bar shows the URL `http://solidopt.org/online`. The page title is "SOLID OPTIMIZER".

The interface includes two tabs: "Optimize now" (active) and "About". Below the tabs, a prompt asks the user to "Select the application you want to optimize:". A "Browse" button is next to a text input field containing "Restaurant.exe". An "Upload" button is located to the right of the input field.

Under the "Your combination:" section, there are two panels:

- Composite 1.0 stable**: A panel with a close button (X) and a "Sub methods" input field containing "methods".
- Inline 0.5 beta**: A panel with a close button (X) and a "Level" input field containing "5".

At the bottom of this section is a "Save combination" button.

Under the "Choose optimization methods:" section, there is a list of optimization methods, each with a version dropdown and an "i" icon:

Inline	0.5 beta	i
Constant Propagation	1.0 devel	i
Expression simplify	1.0 devel	i
Composite	1.0 stable	i
Composite II	1.0 stable	i

An "Optimize" button is located at the bottom of this section.

Interacting with the Web interface

- Receiving the methods for the optimization through SolidOpt Webservice
- Uploading a file on the server
- Choosing optimization methods

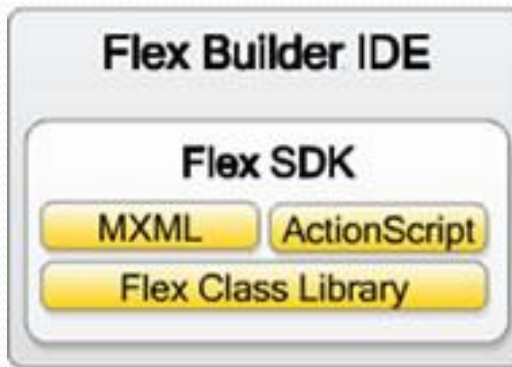
Interacting with the Web interface

- Sending the chosen optimization methods to SolidOpt through the Web service
- Waiting for a response from SolidOpt and receiving the optimized file

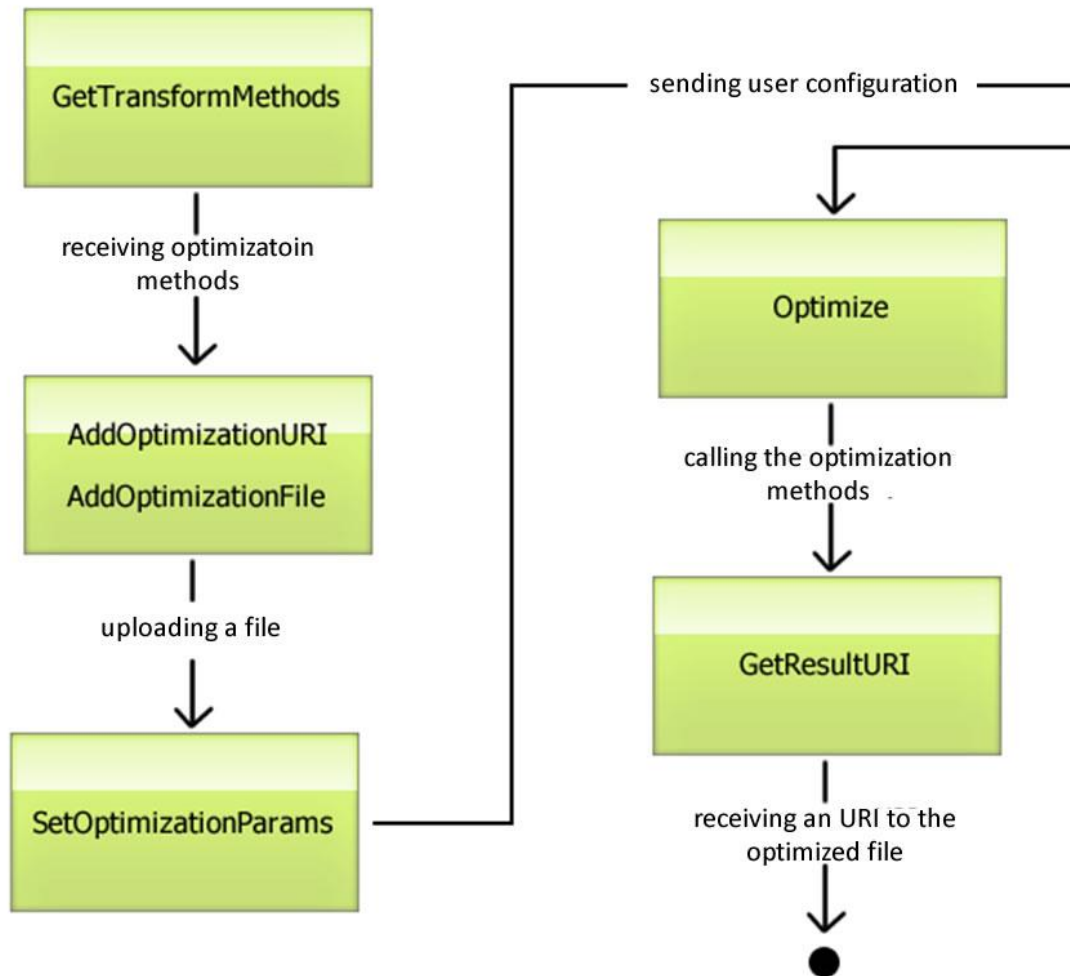
Used technologies

- Adobe Flex
- Web services
- PureMVC

Adobe Flex



SolidOpt Webservice



Future development

- Creating a plugin which enables the use of SolidOpt Now! in the most common development environments
- Development of a desktop version