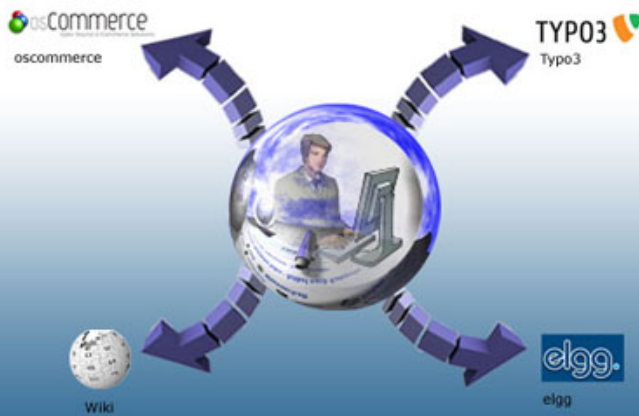


Case Study :

A single sign-on based solution based on Typo3 Framework.
Integration of Typo3, Elgg, Media Wiki and Oscommerce softwares.

New Delhi, India. Year 2007-2009



Member Login

Username: * Not a member? [Register here](#)

Password: * [Forgot user](#)

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Preface

The documents provides abstracts about integration done between Typo3 and various open source softwares like Elgg – Social networking framework, Oscommerce, Media Wiki using single sign-on. In practice systems were independent as well as combined.

Single sign-on

Single sign-on is not a new technology and have been around for some time. There are many softwares which provide the platform to build such systems. In most basic terms : single sign-on allows a user to login to multiple softwares by login to one central system only once.

DirectSSO

DirectSSO is a single-signon solution based on Typo3 framework. It is a well structured framework and can be easily scaled.

DirectSSO includes three parts :

- SSO Server
- SSO Agents and
- SSO Adapters for the Third party application (TPA) to be integrated.

The server is where the actual data of users are stored. All users login to this system and from here users can seamlessly access other applications.

The Agent is a SSO script that verifies the authenticity of the SSO tokens. It checks against duplicate use of login url.

SSO Adapters are application specific scripts that creates a user session on a TPA.

Read more details at <http://www.single-signon.com/>

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<http://www.single-signon.com/>



<http://oscommerce.com/>



<http://mediawiki.org/>

Integration with Elgg social networking framework

Elgg is an open source, powerful, professional social networking website development framework. Elgg is being used in many education institutions as well like University of Brighton, Harvard University and in many other enterprise.

Challenges

Elgg engine got a all new code framework very recently and thus has a nascent level of maturity. But is catchup very fast. The challenges included understanding Elgg, its coding style and do some thing of which we have no clue we have just heard from our client about Elgg. And we found ourself building a SSO adapter for Elgg without know how Elgg works!

Approach

Very first as to find out how the login box works. As we went on we found about plugins and how to build the plugins. We studies some scripts available in Elgg website for replicating Elgg users but the code was not following Elgg API. We chose the harder path. We want to get it perfect in the first time. After few more code look ups we figured the API to create Elgg user. Thanks to our previous efforts with DirectSSO with many other softwares the rest was not much difficult. FiveE Technologies created the first DirectSSO adapter for Elgg!

Integration with Oscommerce, MediaWiki

The DirectSSO adapter for Oscommerce and MediaWiki was already available under open source license at <http://www.single-signon.com>. This gave us the advantage of building on top and enhance the system. We build more close integration between Typo3 and Oscommerce. Things like display of Oscommerce products inside Typo3 based on page content, and keywords.

For demo email us at info@fivee.in



"We found ourself building a SSO adapter for Elgg without know how Elgg works!"

"FiveE Technologies created the first DirectSSO adapter for Elgg!"



<http://oscommerce.com/>



<http://mediawiki.org/>