

Integration OpenSocial with Apache OpenOffice

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stand in for Da Li Liu



Sinsheim, Germany 5th-8th November 2012

Agenda

- Brief Introduction
- Background
- Proposal/Solution
- Summary

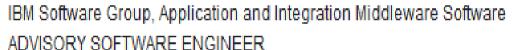


Brief Introduction

LIU, DA LI

IBM employee, Regular

IBM China Investment Co. Ltd



Technical Enablement Specialist: WPLC.Eclipse based technology

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Why Social Matters in Business

95% of standout organizations will focus on 'Getting closer to the customer' over the next 5 years

IBM's 2010 CEO Study

78% of large businesses said a social media strategy was somewhat or very important to the future success of their business

eMarketer



If Facebook were a Country ...

- 1. China 1.3 billion
- 2. India 1.2 billion
- 3. Facebook 750 million
- 4. USA 310 million
- 5. Indonesia 239 million

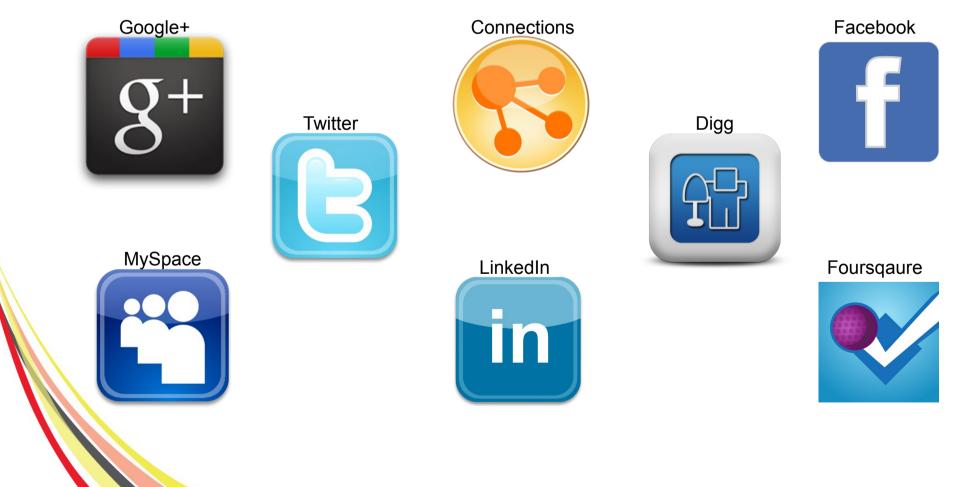


... it would be the 3rd largest in the world!



Defining Social

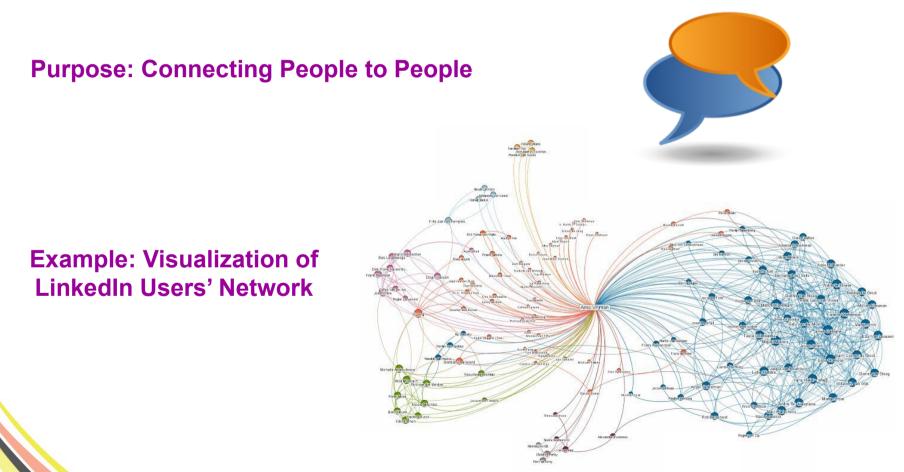
 Definition: The use of web-based and mobile technologies to turn communication into interactive dialogue





Social is Based on the Network

The value of social software increases exponentially when people can connect to their social networks at anytime and from anywhere allowing users to share and empowers business professionals to be more innovative and productive





OpenSocial



- A public specification that defines a component hosting environment (container)
- A set of common application programming interfaces (APIs) for web-based applications
- With OpenSocial API users can access the Social services from their application easily
- OpenSocial SNS: http://www.opensocial.org
- Discussion Forums http://groups.google.com/group/opensocial





OpenSocial Supporting Products





Thinking

- How to use social services to improve your productivity when do office documents editing?
- How to share your document or content to your social network easily?



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Apache OpenOffice

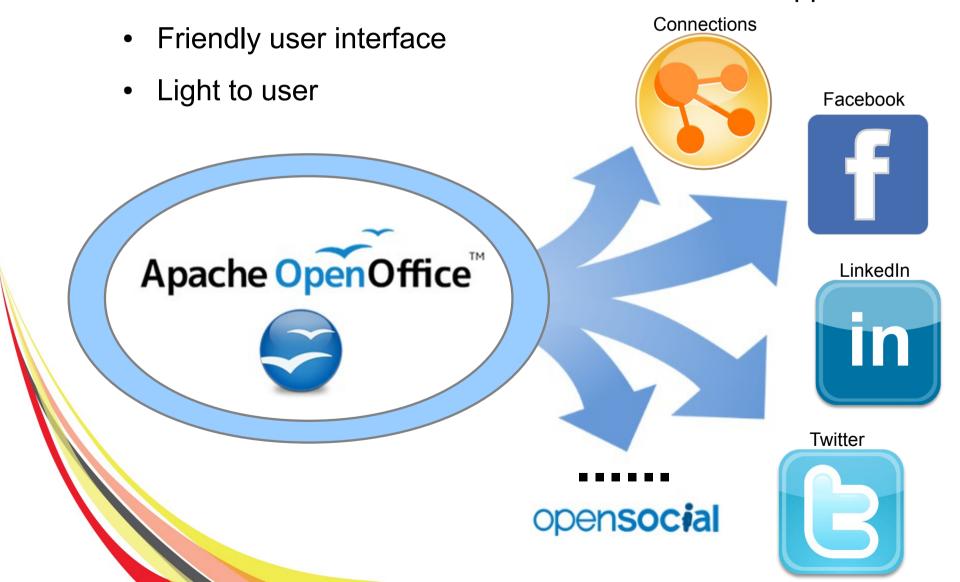
 An open-source office productivity software suite containing word processor, spreadsheet, presentation, graphics, formula editor, and database management applications. It is distributed under the Apache License.





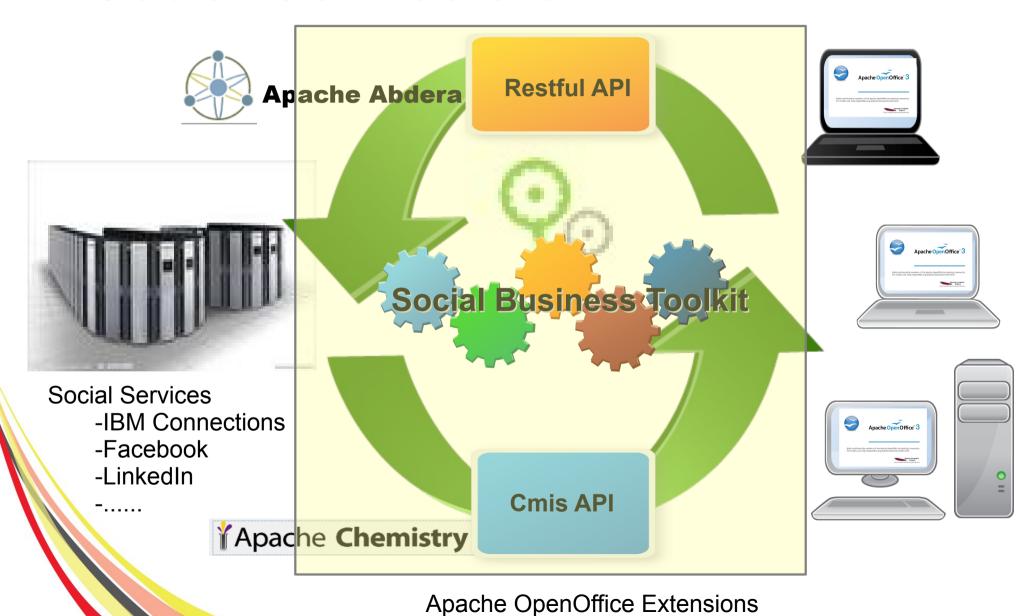
OpenSocial Connectors for AOO

Provide AOO linked value with social and cloud applications.



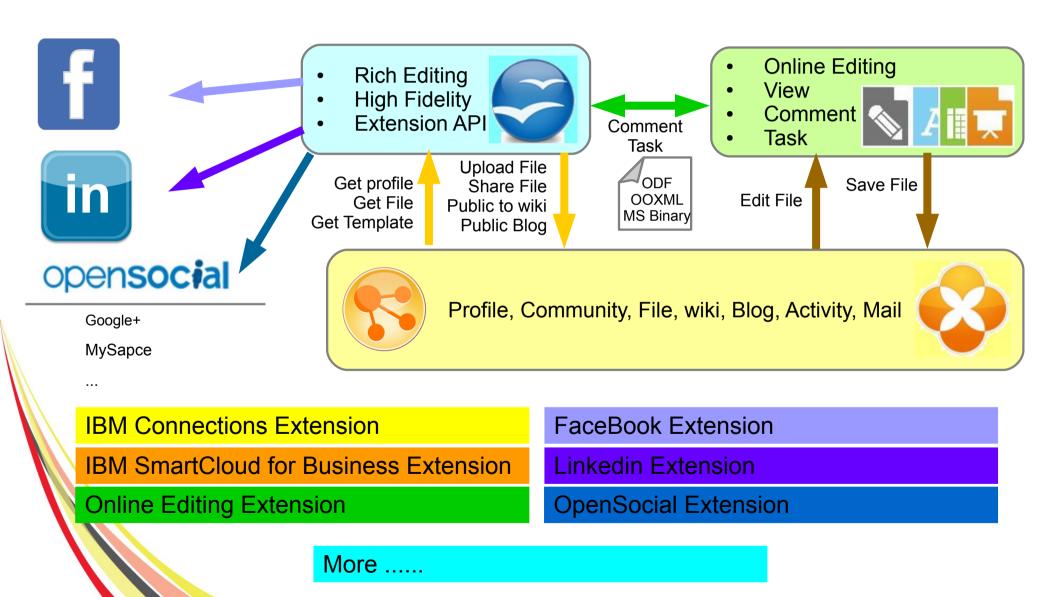


Social Connectors



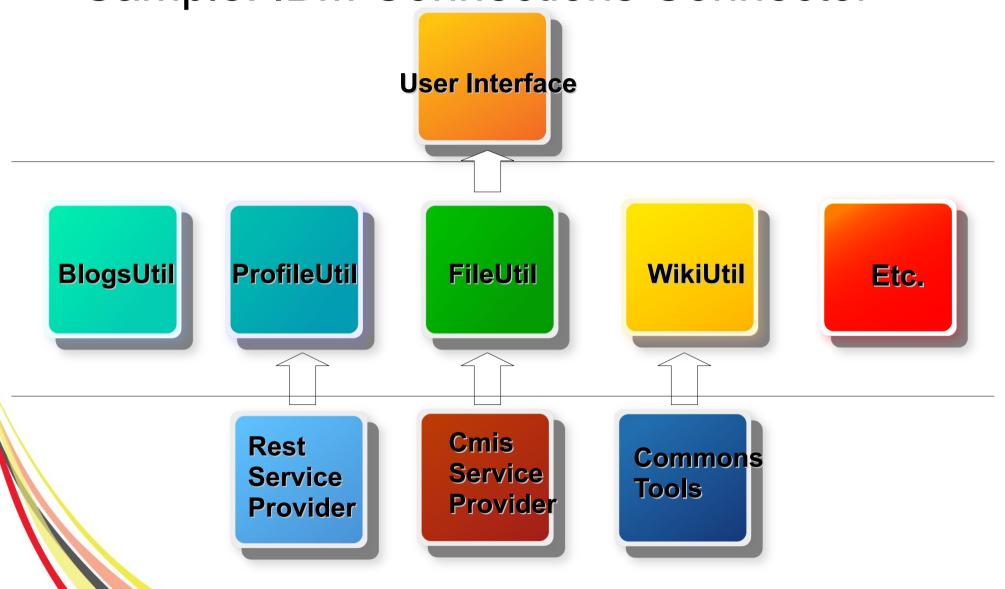


Output Extensions





Sample: IBM Connections Connector

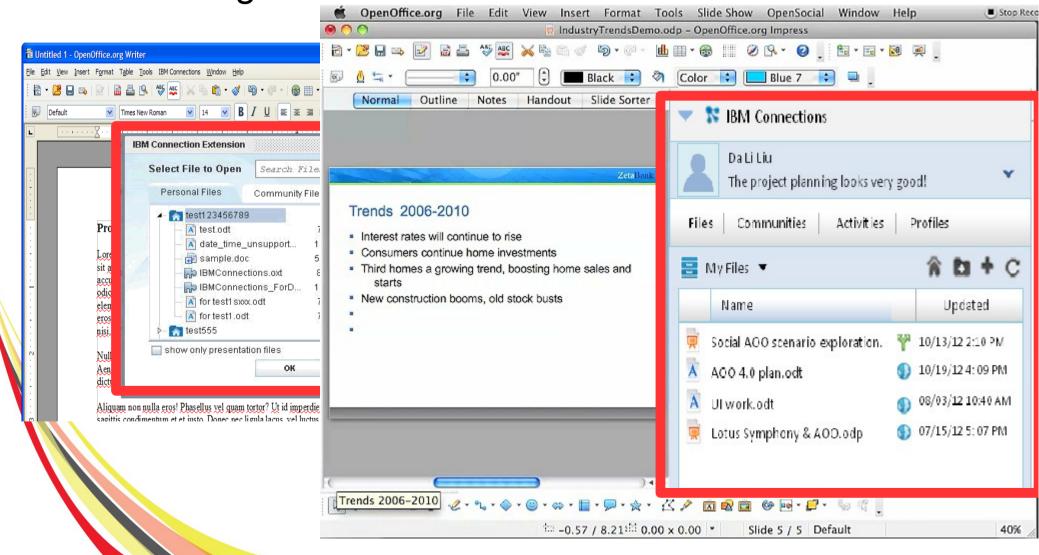




Which Is better?

Dialogs Model

Tasks Panel Model



Demos

- 1.Share your files to others. (Dialog Model)
- 2.Get comments form your network. (Tasks Panel Model)

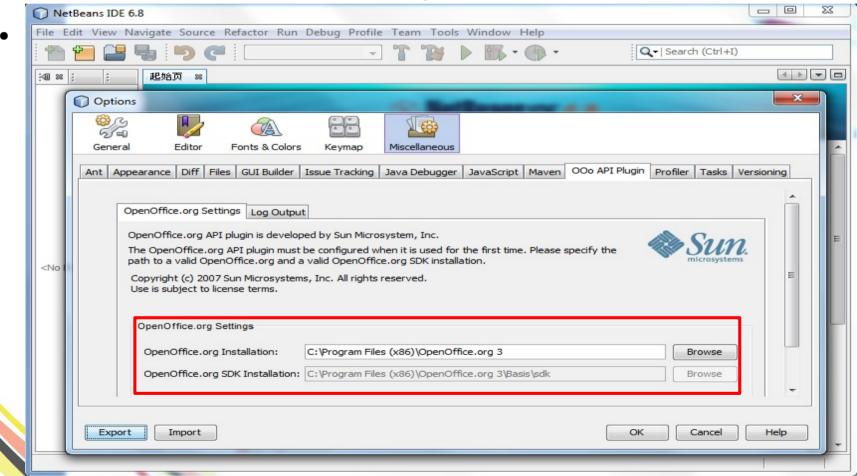


How we build this sample

- Tools
 - Netbean + OpenOffice API plugin
 - http://netbeans.org/downloads/index.html
 - Apache OpenOffice SDK
 - http://www.openoffice.org/download/sdk/
 - AOO Developer's Guide Extensions
 - http://wiki.openoffice.org/wiki/MediaWiki:Collections/Developer%27s_Guide_-_Extensions
 - IBM Social SDK Toolkit
 - https://greenhouse.lotus.com/llapiexplorer/
 - OpenSocial API
 - http://www.opensocial.org
 - Apache Chemistry CMIS library
 - http://chemistry.apache.org

Configure your IDE

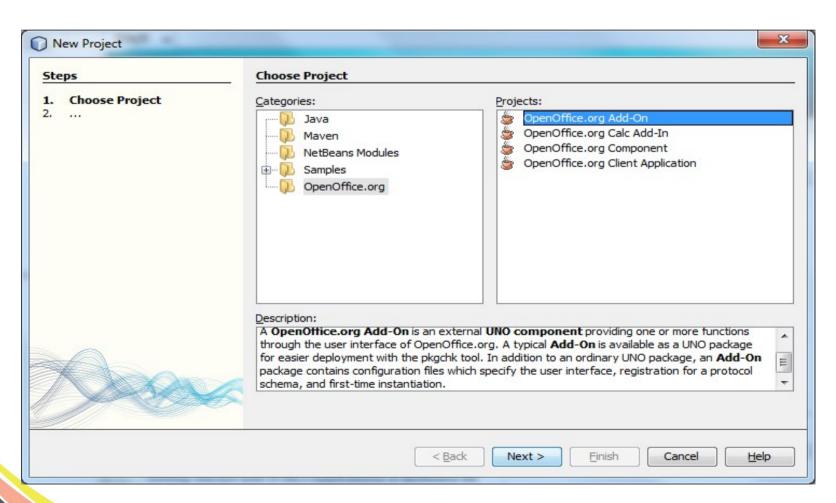
 Make sure that you have configured a valid OpenOffice.org and OpenOffice.org SDK installation under Tools > Options > Miscellaneous > OOo API Plugin





Create a OpenOffice Addon Project

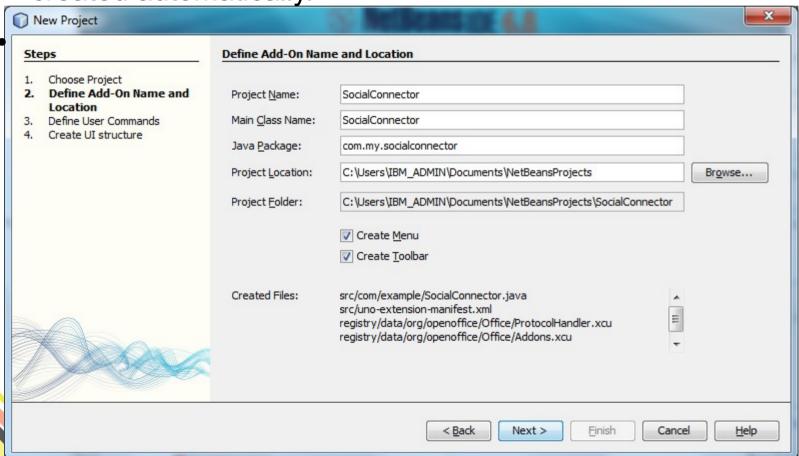
Choose File > New Project > OpenOffice.org > OpenOffice.org
 Add-on.





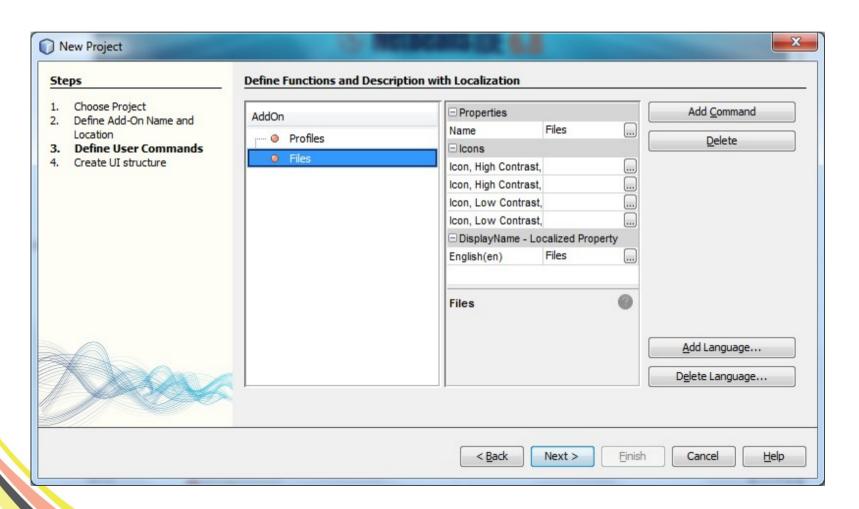
Specify the project information.

- The Project name, Main Class Name, with menus / toolbar
- The extension description files and core source file will be created automatically.



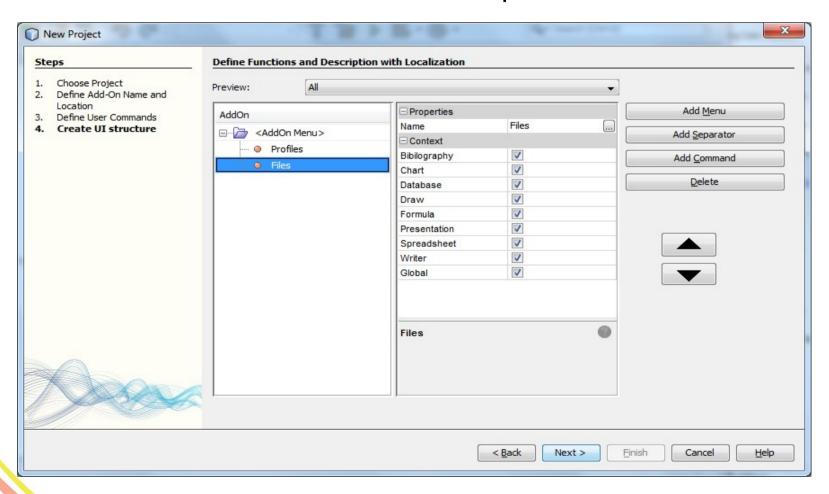
Define User Commands

• The commands will be used by the UI.



Create UI structure

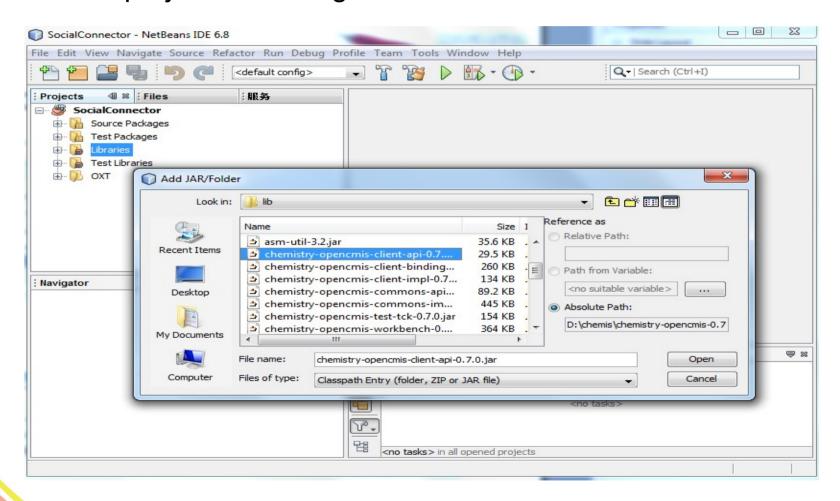
Show the Commands in which component





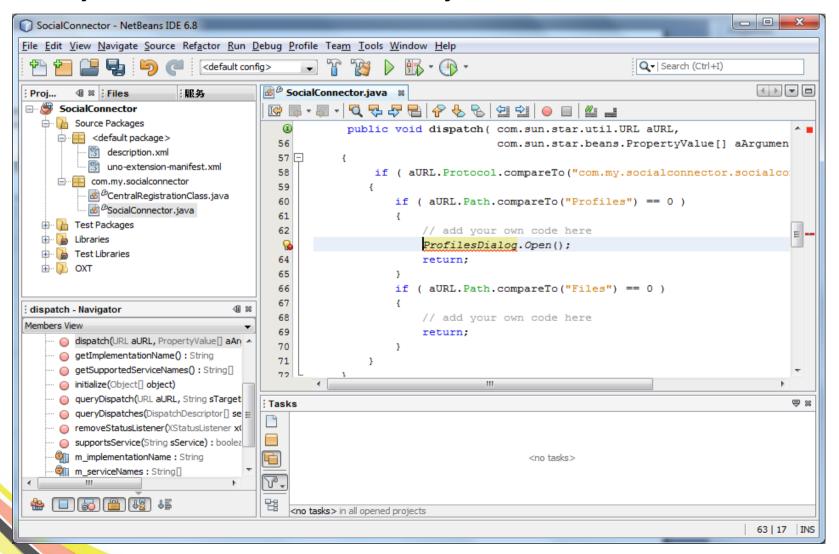
Configure the classpath for the project.

Extend project tree > Right Click on Libraries >Add Jar/Folder...



Start Coding

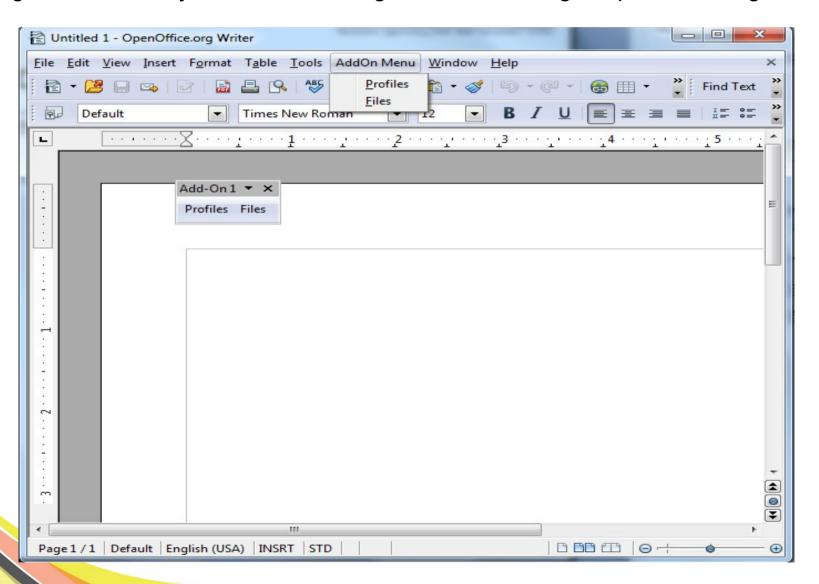
Add your own codes at the main java class





Test your first Add-on

Right Click on Project Name > Debug Extension in target OpenOffice.org





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Summary

OpenSocial Connector

- A set of Extensions
- Provide AOO linked value with social and cloud applications.
- Sample extensions Available at
 - http://extensions.openoffice.org/en/project/IBMConnections
 - http://extensions.openoffice.org/en/project/smartcloud

Configure your IDE

 Make sure that you have configured a valid OpenOffice.org and OpenOffice.org SDK installation under Tools > Options > Miscellaneous > OOo API Plugin

