Sindice Widgets: Lightweight embedding of Semantic Web capabilities into existing user applications

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Introduction
We propose a methodology to enhance web applications with widgets that provide value by giving access to context related semantic data.

Method
- Simple plugin to produce RDF or just a JS in case the application has native data exports (RDF or Microformats)
- SINDICE indexes the RDF or Microformats
- Provide a set of services to aggregate selected data
- Same plugin or Javascript skins the web application by embedding a widgets that provides data aggregation functionalities.

Example applications

Interlinked Online Communities:
SindiceSIOC: A plugin which enhances WordPress to create RDF (SIOC), ping it to Sindice and inserts clickable balloons near the name of the post authors. Clicking on the balloons shows aggregated information about the poster (e.g. recent posts or topics)

Interlinking Bug Trackers:
SindiceBAETLE: A plugin for JIRA which produces RDF representation of bug-tracker content. Next to each JIRA issue it will display a popup window which gives access to a list of related (e.g. dependent) issues and projects as aggregated by Sindice

Goals
- Lightweight method to enhance existing web applications
- Data interoperability across applications
- Provides rewards for data producers

Resources
SindiceSioc API
http://sindice.com/dev/siocapi
SindiceSioc Information and Widgets
http://sindice.com/dev/siocwidget

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