

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

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Introduction

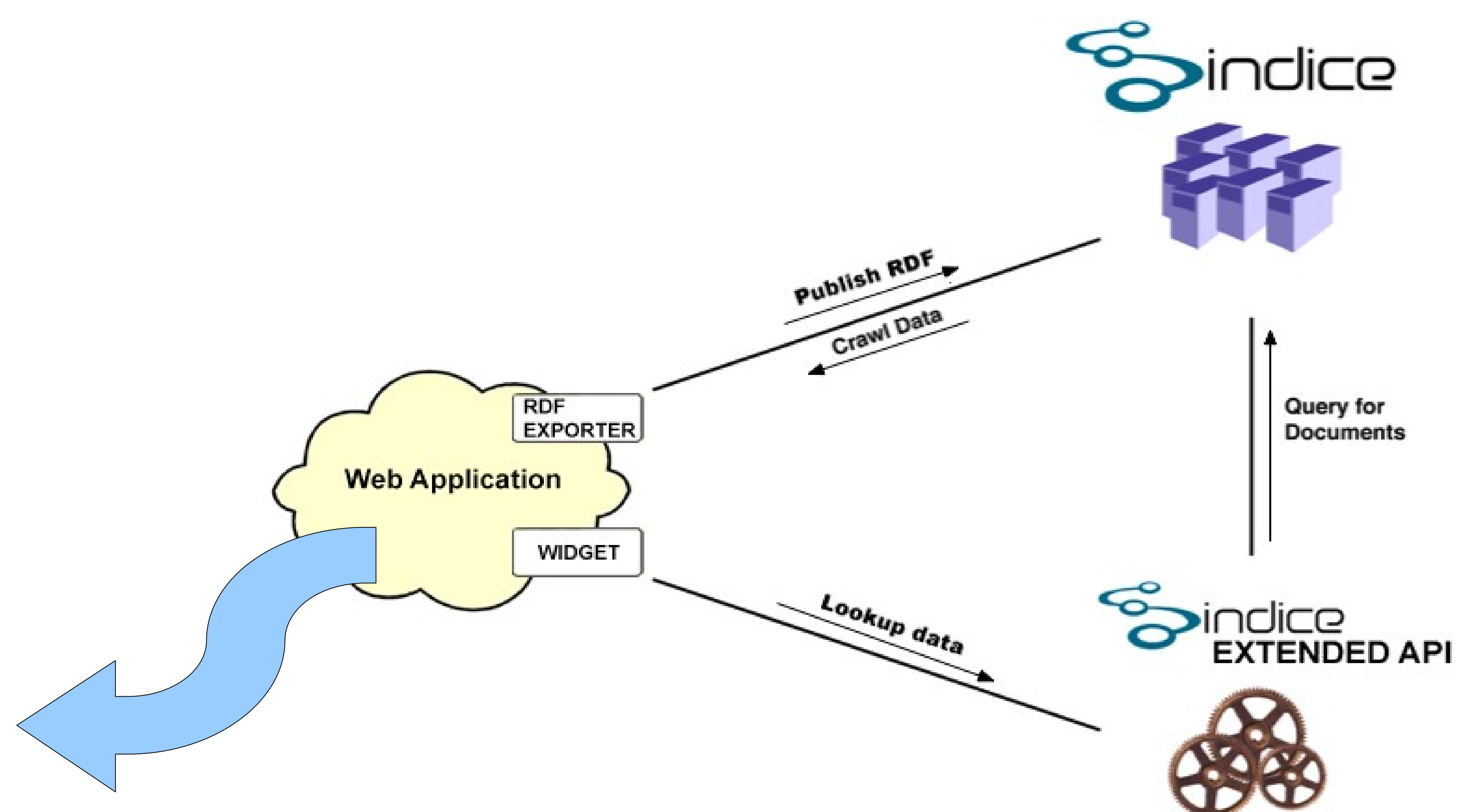
We propose a methodology to enhance web applications with widgets that provide value by giving access to context related semantic data.



Sample application: Microformats are skinned by the plugin (which inserts the balloon icon). Pressing on the icon will show a Sindice generated popup were content is aggregated from multiple related web sources)

Goals

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



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

Resources

SindiceSioc API

<http://sindice.com/dev/siocapi>

SindiceSioc Information and Widgets

<http://sindice.com/dev/siocwidget>

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