Tool of the Day

RoR

Ruby on Rails

Ruby on Rails is a programming language by the name of Ruby, that is very light and allows to develop websites and web applications very fast. It is a good choice to make a change in the development process, as it is very fast and easy to learn. It is also scalable and allows to create complex applications. Ruby on Rails is a platform that allows to create web applications that are scalable and can handle large amounts of traffic. It is also a good choice for developers who want to create web applications that are easy to maintain and scale.
http://terehah.dasish.eu
Authoritative **Knowledge Registry** for **Researchers**.

*Find tools, services, methodologies and more...*
Ruby on Rails, often simply referred to as Rails, is an open source web application framework which runs via the Ruby programming language. It is a full-stack framework: it allows creating pages and applications that gather information from the web server, talk to or query the database, and render templates out of the box. As a result, Rails features a routing system that is independent of the web server.

Read more about Ruby on Rails
Technical Framework

**Cf**
Chosen framework
What we chose and why

**D**
Database
Selected database solution

**Oc**
Other considerations
Some other things worth mentioning
Chosen framework
What we chose and why

Laravel (http://laravel.com)
  • PHP
  • Open Source
  • Model-View-Controller (MVC)
  • Object-relational mapping (ORM)
    • Support for multiple different DBMS
Database
Selected database solution

MySQL (http://mysql.com)
• Open Source
• Widespread use

InnoDB
• Support for foreign keys
Other considerations
Some other things worth mentioning

Foundation - Front-end framework

Glyphicons - Nice looking icons

Composer - Easy updates/deployment
Important features

- **Fs**: Faceted searches
  - Search tools by facets

- **Ms**: Multiple sources
  - Show information from multiple sources

- **H**: Harvesting
  - Harvest information from other sources
Faceted searches
Search tools by facets

Custom key-value facets can be added in admin

- Developer
- Keyword
- License
- Platform
- Standard
- Tool type
Multiple sources
Show information from multiple sources

Add any number of data sources

Information is shown per data source
Harvesting
Harvest information from other sources

Harvest information from other data sources

Harvest TERESAH instances with RDF
Other features

- Multi-lingual
- Login via social networks
- Sharing to social networks
- Similar tool suggestions
- API
Good to know

Licensing
What licenses do we use

Installation
Requirements and how to install

Tutorials
Training materials
Licensing
What licenses do we use

Source code: EU Public Licence v1.1

Content: Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International (CC BY-NC-SA 4.0)
<table>
<thead>
<tr>
<th>Can</th>
<th>Cannot</th>
<th>Must</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Use</td>
<td>Hold Liable</td>
<td>Include License</td>
</tr>
<tr>
<td>Private Use</td>
<td></td>
<td>Include Copyright</td>
</tr>
<tr>
<td>Distribute</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Can</th>
<th>Cannot</th>
<th>Must</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distribute</td>
<td>Commercial Use</td>
<td>Give Credit</td>
</tr>
<tr>
<td>Modify</td>
<td>Sublicense</td>
<td>Include Copyright</td>
</tr>
<tr>
<td>Rename</td>
<td>Place Warranty</td>
<td>State Changes</td>
</tr>
<tr>
<td></td>
<td>Hold Liable</td>
<td></td>
</tr>
</tbody>
</table>
Installation
Requirements and how to install

Requirements
• A web server
• A database (MySQL, Postgres, SQLite or SQL Server)
• PHP >= 5.4
• MCrypt PHP Extension

Source code and detailed instructions (to come) on Github: https://github.com/DASISH/TERESAH
Tutorials
Training materials

Textual manual available