Open Source Software in Smartgrid

Some Available Open Source Smartgrid Software

Repositories
http://code.google.com
http://sourceforge.net/
http://www.codeplex.com/
http://www.ohloh.net

Search terms
“Smart grid”, “Smartgrid”, “smart meter” “energy grid”

Selection criteria
Frequency of activity:
#members (committers, developers, users etc)
#bug fixed
#downloads
License types

Tabulated results

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Categories</th>
<th>License</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>OpenPDC</td>
<td>The openPDC is a complete Phasor Data Concentrator software system designed to process streaming time-series data in real-time. Measured data gathered with GPS-time from many hundreds of input sources is time-sorted and provided to user defined actions as well as to custom outputs for archival.</td>
<td>Components, Simulations, Interfaces/Adapters, Web service</td>
<td>EPL (Eclipse PL)</td>
<td><a href="http://openpdc.codeplex.com/">http://openpdc.codeplex.com/</a></td>
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<tr>
<td>GridLAB-D</td>
<td>A power system simulation tool that provides valuable information to users who design and operate electric power transmission and distribution systems, and to utilities that wish to take advantage of the latest smart grid technology.</td>
<td>Interfaces/Adapters</td>
<td>BSD</td>
<td><a href="http://sourceforge.net/projects/gridlab-d/">http://sourceforge.net/projects/gridlab-d/</a></td>
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<tr>
<td>wattdepot</td>
<td>WattDepot is an open source, RESTful web service that collects electricity data (such as current power utilization or cumulative power utilization) from meters and stores it in a database. The data can then be retrieved by other tools for visualization and analysis</td>
<td></td>
<td>New BSD</td>
<td><a href="http://code.google.com/p/wattdepot/">http://code.google.com/p/wattdepot/</a></td>
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<td>reef</td>
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