

dpkq : a data picker

Introduction

dpkq is a tool based on the Epeios framework which picks a random record stored in a XML file and put it in another XML file with an XSL file association so it can be displayed in a Web Browser in a HTML layout.

dpkq can be build as command-line binary for *GNU/Linux* (and probably most POSIX-compliant operating systems), *OS X* and *Windows*, running on *IA-32*, *AMD64* and *ARM* compatible processors.

Installation

See the [compilation dedicated page](#)¹⁾ to see how to obtain the binaries.

Two files called `dpkq.xcfg` and `dpkq.xlcl` have to be in the same directory as the one containing the binary.

The data file

See the [dedicated page](#).

Take also a look to the [examples page](#).

The output file

See the [dedicated page](#).

Configuration

See the [configuration dedicated page](#)²⁾.

Other configurations parameters are generally put in a project file, which filename is given as a command-line argument (see `dpkq --help`), like following :

```
<?xml version="1.0" encoding="utf-8"?>
<Projects>
  <Project target="dpkq">
    <Parameters>
      <Output>OutputFilename</Output>
      <Data>DataFilename</Data>
      <XSL>XSLFilename</XSL>
      <Context>ContextFilename</Context>
      <SessionMaxDuration>SessionDuration</SessionMaxDuration>
      <Viewer>ViewerCommand</Viewer>
    </Parameters>
  </Project>
</Projects>
```

- *OutputFilename* is the name of the generated XML file (hence generally suffixed with `.xml`) which contains the picked record,
- *DataFilename* is the name of the XML file (hence also generally suffixed with `.xml`) from where the record is picked,
- *XSLFilename* is the name of the file containing the XSL stylesheet (hence generally suffixed

with .xsl) which should be applied on the file referenced by *OutputFilename* ; *XSLFilename* is added in a `<?xml-stylesheet ...?>` processing instruction into the *OutputFilename* file, so that the XSLT processing is performed automatically when the output file is opened in a Web browser,

- if the delay between two successive calls of `dpkq` on project files using same *ContextFilename* (which is generated by `dpkq`) exceeds *SessionDuration* minutes, the session related data are reseted.
- *ViewerCommand* usually contains the command to launch to open the output file name in a Web Browser ; it can contain following marker :
 - \$RI\$: the record index,
 - \$RL\$: the record label,
 - \$TI\$: the table index,
 - \$TL\$: the table label,
 - \$Data\$: the data filename,
 - \$Output\$: the output filename,
 - \$XSL\$: the XSL filename,
 - \$\$: the \$ character.

Licenses

This tool is released under the GNU Affero General Public License [<http://www.gnu.org/licenses/agpl.html>]. This is the default license, this tool can be released under other licenses. Contact me [<http://q37.info/contact/>] for more details.

Status

- Last stable release :
- Changelog [<http://hg.savannah.gnu.org/hgweb/epeios/file/tip/tools/dpkq/CHANGELOG.txt>].

Resources

- [User manual](#)³⁾,
- [data file description](#)⁴⁾,
- [output file description](#)⁵⁾,
- [examples](#)⁶⁾,
- source repository :
 - of the tool [<http://hg.savannah.gnu.org/hgweb/epeios/file/tip/tools/dpkq/>]⁷⁾,
 - of the Epeios framework [<http://hg.savannah.gnu.org/hgweb/epeios/file/tip/stable>]⁸⁾,
- download [<http://q37.info/download/computing/tools/dpkq/>]⁹⁾,
- changelog [<http://hg.savannah.gnu.org/hgweb/epeios/file/tip/tools/dpkq/CHANGELOG.txt>]¹⁰⁾,
- [compilation instructions](#)¹¹⁾.
- [global configuration instructions](#)¹²⁾,
- this tool is hosted¹³⁾ on GNU Savannah [<http://savannah.nongnu.org/projects/dpkq/>]¹⁴⁾ ; you will find there some other resources for this tool (bug tracking service, tech support manager...).

¹⁾ , ¹¹⁾ <http://q37.info/computing/epeios/compilation/> [<http://q37.info/computing/epeios/compilation/>]

²⁾ , ¹²⁾ <http://q37.info/computing/epeios/tools/configuration/> [<http://q37.info/computing/epeios/tools/configuration/>]

³⁾ <http://q37.info/computing/epeios/tools/dpkq/manual/> [<http://q37.info/computing/epeios/tools/dpkq/manual/>]

- ⁴⁾ <http://q37.info/computing/epeios/tools/dpkq/data/> [<http://q37.info/computing/epeios/tools/dpkq/data/>]
- ⁵⁾ <http://q37.info/computing/epeios/tools/dpkq/output/> [<http://q37.info/computing/epeios/tools/dpkq/output/>]
- ⁶⁾ <http://q37.info/computing/epeios/tools/dpkq/examples/> [<http://q37.info/computing/epeios/tools/dpkq/examples/>]
- ⁷⁾ <http://hg.savannah.gnu.org/hgweb/epeios/file/tip/tools/dpkq/> [<http://hg.savannah.gnu.org/hgweb/epeios/file/tip/tools/dpkq/>]
- ⁸⁾ <http://hg.savannah.gnu.org/hgweb/epeios/file/tip/stable> [<http://hg.savannah.gnu.org/hgweb/epeios/file/tip/stable>]
- ⁹⁾ <http://q37.info/download/computing/tools/dpkq/> [<http://q37.info/download/computing/tools/dpkq/>]
- ¹⁰⁾ <http://hg.savannah.gnu.org/hgweb/epeios/file/tip/tools/dpkq/CHANGELOG.txt> [<http://hg.savannah.gnu.org/hgweb/epeios/file/tip/tools/dpkq/CHANGELOG.txt>]
- ¹³⁾ submission in progress : <http://savannah.gnu.org/task/index.php?13660> [<http://savannah.gnu.org/task/index.php?13660>]
- ¹⁴⁾ not active yet : see previous footnote.

computing/epeios/tools/dpkq/home.txt · Last modified: 2015/06/30 19:04 by Claude SIMON

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