

GNU OrgaDoc Manual

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1 Introducing OrgaDoc

OrgaDoc is a program for generating and organizing documents. The program comes with two binaries, the first is a shell script called 'orgadoc-init-readme' which is used to find and generate a document pool (a readme.xml file) from your documents on your drive. The second is the 'orgadoc' binary itself, which is used to format your documents (generating them from readme.xml).

- Extremely small and low footprint binary.
- Does not expend CPU resources as it is run only when required and after that it exits.
- Can be used with other UNIX programs such as grep and cron to enhance it's usefulness.
- Generation of documents into other formats is extremely fast (< 2 seconds) typically.
-

A paper detailing the history and design can be found at <http://www.gnu.org/software/orgadoc/orgadoc-design.html>.

2 OrgaDoc Examples

OrgaDoc is used for a variety of purposes from keeping a digital file about your documents in one place (for easy querying) to using the document pool to ensure your backups are up-to-date. This manual will describe some examples and usages of OrgaDoc.

You have some documents in your 'Document' directory which you wish to pool into a single, queryable document.

First we use `orgadoc-init-readme` to generate a pool for our documents. This example uses the `'-m/--merge'` argument:

```
Entering directory [docs/]
Leaving directory [docs/]
```

```
readme.xml files are now created, please edit the FIXME lines
moving readme.xml files to /home/<user>/orgadoc completed
```

Now we will check our document pool (readme.xml files):

```
~/orgadoc$ ls
docs
```

Now we can use `orgadoc` on this pool (the `merge` command mimics the directory structure) that your `readme.xml` files are in:

```
./orgadoc --json ~/orgadoc/docs/readme.xml

{"Title" : "(null)",
  "Filename" : "CPlusPlusProgramming.pdf",
  "Date-Time" : "Sun Apr 22 07:31:11 2012 CEST",
  "Type" : "public",
  "Author" : "(null)",
  "Number-of-Pages" : 684,
  "Document-language" : "FIXME LANGUAGE",
  "Summary" : "FIXME SUMMARY",
  "Chapter" : "FIXME PART",
  "Notes" : "FIXME NOTES"}

{"Title" : "(null)",
  "Filename" : "C_Programming.pdf",
  "Date-Time" : "Fri Dec 15 17:40:22 2017 CET",
  "Type" : "public",
  "Author" : "(null)",
  "Number-of-Pages" : 290,
  "Document-language" : "FIXME LANGUAGE",
  "Summary" : "FIXME SUMMARY",
  "Chapter" : "FIXME PART",
  "Notes" : "FIXME NOTES"}

"prog": "Generated by GNU OrgaDoc 1.0"
```

Now we can see the structure of our pool and the documents that are within it. If you wish to save this file it is easily transferred in the standard way:

```
./orgadoc --json ~/.orgadoc/docs/readme.xml > readme.json
```

This will create the file 'readme.json' in your current directory if you use it without an absolute path.

Now say we would like to query our pool, do I have a C++ book somewhere?

```
./orgadoc --json ~/.orgadoc/docs/readme.xml | grep -Ri 'Cplusplus' ~/.orgadoc/*  
/home/<user>/orgadoc/docs/readme.xml:<file>CplusplusProgramming.pdf</file>
```

3 Invoking the program

OrgaDoc is usually run by the user who wishes to use it it is used very simply. The command is `orgadoc [OPTIONS ...] [File ...]` Which would do as the examples show and (depending on the options chosen) will convert your pool to your desired format. If no options are given the program will show the help text.

The program accepts the following options:

```
-h
--help    Displays the help text.
-v
--version    Displays the version information.
-t
--html     Formats readme.xml into HTML.
-b
--bibtex   Formats readme.xml into BIBTEX.
-l
--latex    Formats readme.xml into LATEX.
-j
--json     Formats readme.xml into JSON.
-p
--text     Formats readme.xml into PLAIN TEXT.
```

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