

File: Notes.pdf
Date: 2019/07/12

Here, we describe some tips for the installation (Linux ubuntu 18.04):

Language C

We use some special library that you must be installed:

(1) uuid-dev

install by synaptic

<input type="checkbox"/>	libjug-java	3.1.5-1	Pure java UUID generator
<input type="checkbox"/>	cl-uuid	20130813-1	Common Lisp library for generation of UUIDs as described by RFC 4122
<input type="checkbox"/>	libcxxgquid-dev	0.0+git200150803-;	C++ UUID library headers
<input type="checkbox"/>	libcxxgquid0	0.0+git200150803-;	C++ UUID library
<input type="checkbox"/>	libghc-uuid-prof	1.3.13-2build3	create, compare, parse and print UUIDs; profiling libraries
<input checked="" type="checkbox"/>	uuid-dev	2.31.1-0.4ubuntu3.;	Universally Unique ID library - headers and static libraries
<input checked="" type="checkbox"/>	uuid-runtime	2.31.1-0.4ubuntu3.;	runtime components for the Universally Unique ID library
<input type="checkbox"/>	golang-github-nu7hatch-gouui	0.0-git20131221.0.	pure Go UUID implementation as specified in RFC 4122
<input type="checkbox"/>	libghc-uuid-types-doc	1.0.3-4build1	Type definitions for Universally Unique Identifiers; documentation
<input checked="" type="checkbox"/>	libuuid-perl	0.27-1build1	Perl extension for using UUID interfaces as defined in e2fsprogs
<input type="checkbox"/>	libghc-uuid-types-dev	1.0.3-4build1	Type definitions for Universally Unique Identifiers
<input type="checkbox"/>	libghc-uuid-types-prof	1.0.3-4build1	Type definitions for Universally Unique Identifiers; profiling libraries
<input type="checkbox"/>	libghc-uuid-dev	1.3.13-2build3	create, compare, parse and print Universally Unique Identifiers
<input type="checkbox"/>	ruby-uuidtools	2.1.5-2	UUIDs generation library for Ruby
<input type="checkbox"/>	ruby-uuidtools-doc	2.1.5-2	UUIDs generation library for Ruby - documentation

(2) quadmath library: quad-Precision Math Library Application Programming Interface (API).
<https://gcc.gnu.org/onlinedocs/libquadmath/#toc-Typedef-and-constants-1>

(3) gmp and mpfr

(4) openMP

Julia.

We use Julia 1.1.0 version.

These packages must be install:

```
Pkg.add("NBInclude")
Pkg.add("Plots")
Pkg.add("Dates")
Pkg.add("DelimitedFiles")
Pkg.add("LinearAlgebra")
```

You can install by “Julia Package installation.ipyn” Jupyter notebook.

Jupyter.

To install

```
julia> ]
```

```
pkg> add IJulia
```

```
julia>using IJulia  
julia>notebook()
```

To execute:

```
$ jupyter notebook
```