Tools and tips
Notes worth remembering

Fernando

github

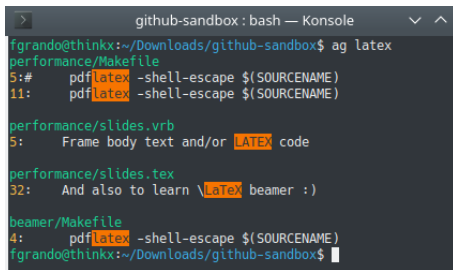August 15, 2020

Topics

Motivation

I create this file to keep track of interesting tools and some tips learned along the way.
And also to learn LaTeXbeamer :)

silversearcher-ag

`ag` is like grep or ack. Very useful for searching terms in documentation and code. Installation:

- Linux: `apt install silversearcher-ag`
- Windows: `https://blog.kowalczyk.info/software/the-silver-searcher-for-windows.html`

PDF to Text

Extract text from PDF files. TODO

From SVN to GIT

Useful commands:

- `[svn|git] commit -m "first commit"`
- `[svn|git] diff <file>`
- `svn revert <file>`
  - `git checkout <file>`

How to assign version numbers to my sw?

Use semver: `https://semver.org/`
Given a version number `MAJOR.MINOR.PATCH`, increment the:

- `MAJOR` version when you make incompatible API changes,
- `MINOR` version when you add functionality in a backwards compatible manner, and
- `PATCH` version when you make backwards compatible bug fixes.
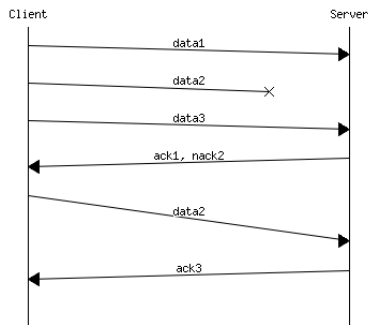
Message Sequence Chart (`mscgen`)

Full featured message chart generator (like graphviz):
`http://www.mcternan.me.uk/mscgen/`

```
# Fictional client-server protocol
msc {
 arcgradient = 8;

 a [label="Client"],b [label="Server"];

 a=>b [label="data1"];
 a-xb [label="data2"];
 a=>b [label="data3"];
 a<=b [label="ack1,_nack2"];
 a=>b [label="data2", arcskip="1"];
 |||;
 a<=b [label="ack3"];
 |||;
}
```

End

The end.