9Back : Making Our Plans Great Again

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Abstract

Describe the goals of the project and, if you are in a group, who performed which experiments. State the language you used to implement your measurements, and the compiler version and optimization settings you used to compile your code. If you are measuring in an unusual environment (e.g., virtual machine, Web browser, compute cloud, etc.), discuss the implications of the environment on the measurement task (e.g., additional variance that is difficult for you to control for). Estimate the amount of time you spent on this project.

1 Introduction

A paragraph of text goes here. Lots of text. Plenty of interesting text.

More fascinating text. Features[1] galore, plethora of promises.

2 Machine Description

We ran this beautiful operating system of the gods on a Thinkpad T420, the machine of true developers.

```
Processor: model, cycle time, cache sizes (L1, L2,
   instruction, data, etc.)
   Intel(R) Core(TM) i5-2520M CPU @ 2.50GHz
   cache size 3072 KB
   cpu family 6
   model 42
   stepping 7
   siblings 4
   cores 2
   fpu yes
   fpu_exception yes
   fpu_exception yes
   bogomips 4986.98
   clflush size 64
```

```
   cache_alignment 64

Memory bus
   bus-frequency: 1333Mhz
   bus-bandwith:
   Column Access Strobe (CAS) latency:

I/O bus
   SataIII-speed: 600MB/s

RAM size
   8 GB
Disk: capacity, RPM, controller cache size
   Samsung SSD 860 EVO 500GB
   Capacity: 500GiB
   RPM: 550MB/s read, 520 MB/s write
    and 98,000 IOPS (Read QD32)
   Controller Cache Size: 512MB
Network card speed:
  Intel 82579 LM Gigabyte: 1Gb/s
  intel Centrino Ultimate-N 6300: 450 Mbps

Operating system (including version/release)
   9FRONT "RUN FROM ZONE!" (2018.09.09.0 Release)
```

Now we're going to cite somebody. Watch for the cite tag. Here it comes [?, ?]. The tilde character (~) in the source means a non-breaking space. This way, your reference will always be attached to the word that preceded it, instead of going to the next line.

3 This Section has SubSections

3.1 First SubSection

Here's a typical figure reference. The figure is centered at the top of the column. It's scaled. It's explicitly placed. You'll have to tweak the numbers to get what you want.

This text came after the figure, so we'll casually refer to Figure 1 as we go on our merry way.

Figure 1: Wonderful Flowchart

3.2 New Subsection

It can get tricky typesetting Tcl and C code in LaTeX because they share a lot of mystical feelings about certain magic characters. You will have to do a lot of escaping to typeset curly braces and percent signs, for example, like this: "The `%module` directive sets the name of the initialization function. This is optional, but is recommended if building a Tcl 7.5 module. Everything inside the `%{`, `%}` block is copied directly into the output. allowing the inclusion of header files and additional C code."

Sometimes you want to really call attention to a piece of text. You can center it in the column like this:

`_1008e614_Vector_p`

and people will really notice it.

The noindent at the start of this paragraph makes it clear that it's a continuation of the preceding text, not a new para in its own right.

Now this is an ingenious way to get a forced space. `Real *` and `double *` are equivalent.

Now here is another way to call attention to a line of code, but instead of centering it, we noindent and bold it.

`size_t : fread ptr size nobj stream`

And here we have made an indented para like a definition tag (dt) in HTML. You don't need a surrounding list macro pair.

> `fread` reads from `stream` into the array `ptr` at most `nobj` objects of size `size`. `fread` returns the number of objects read.

This concludes the definitions tag.

3.3 How to Build Your Paper

You have to run `latex` once to prepare your references for munging. Then run `bibtex` to build your bibliography metadata. Then run `latex` twice to ensure all references have been resolved. If your source file is called `usenixTemplate.tex` and your `bibtex` file is called `usenixTemplate.bib`, here's what you do:

```
latex usenixTemplate
bibtex usenixTemplate
latex usenixTemplate
latex usenixTemplate
```

3.4 Last SubSection

Well, it's getting boring isn't it. This is the last subsection before we wrap it up.

4 Acknowledgments

A polite author always includes acknowledgments. Thank everyone, especially those who funded the work.

5 Availability

It's great when this section says that MyWonderfulApp is free software, available via anonymous FTP from

`ftp.site.dom/pub/myname/Wonderful`

Also, it's even greater when you can write that information is also available on the Wonderful homepage at

`http://www.site.dom/~myname/SWIG`

Now we get serious and fill in those references. Remember you will have to run latex twice on the document in order to resolve those cite tags you met earlier. This is where they get resolved. We've preserved some real ones in addition to the template-speak. After the bibliography you are DONE.

References

Notes

[1] Remember to use endnotes, not footnotes!