



Devtools / Devops

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Follow-up on “Packaging Problems and Opportunities

- From manual to semi-automated setup
- Ansible + home grown Perl tools
- Looking at going next level but how?



Packaging Problems Opportunities

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Some progress

- Clearer tooling purpose definition
 - Ansible Playbook: setup & configure OS, packages and 3rd party dependencies
 - Emmet: build / package all our software projects
 - Rapt: deploy / remove our software projects (staging for now)

```
florent@bladeranger:~/git/ansible$ ansible-playbook sta-mojo-setup.yml
sudo password:
Please enter worker user password:
confirm Please enter worker user password:
```

```
< PLAY [sta-mojo] >
```

```
-----
```

```
  \
   ^ ^
  (oo)\
  ( )\  )\ \
   ||-----w||
   ||           ||
```

Some progress

```
florent@bladeranger:~/git$ emmet build -p package -e staging -t package-sg  
Emmet is building package (tag 'package-sg')
```

```
Emmet: "O.K. I'm just going to come right out and say I have no idea what's going on!  
Or what this place is ... at all!"
```

```
Unknown package. Type better or use -h for some help.
```

```
florent@bladeranger:~/git$
```

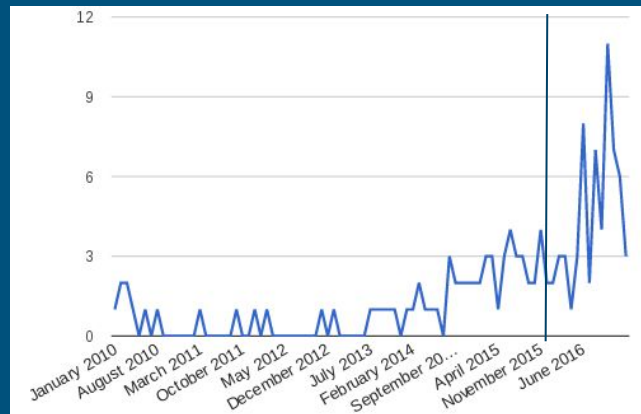
```
florent@bladeranger:~/git$ rapt deploy -p package -h host.co.nz -a artefact.tgz  
Deploying package to host host.co.nz ('artefact.tgz')
```

```
Unknown package. Type better or use -h for some help.
```

```
florent@bladeranger:~/git$ stage-package
```

More Progress

- Half-way through #devtoolFriday
- More projects involved (Perl, Java, Javascript)
- Projects build standardization (Gradle)
- Jenkins doing more work than ever
- Emmet takes care of adding correct config file
- Rapt takes care of setup on target host



Some Limitations

- Aliases are local to each dev machine
- Ansible dependencies and application need to be kept in sync
- No recovery from failed install - git tag mess
- Lots of configuration files - manually managed
- Manual mobile apps build/deploy
- Jenkins a little lazy ...

Questions

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