

# Summer projects

Puppet all the things!

# Offsite Box.com backups (rt#3903)

- Parallelized file uploads to Box.com
- Already had offsite backups, but they cost \$, and all students get “unlimited” Box.com storage...

```
backup-2016-05-26.img.gz.gpg.part0071 [#####] 99.36%
backup-2016-05-26.img.gz.gpg.part0070 [#####] 98.13%
backup-2016-05-26.img.gz.gpg.part0066 [#####] 64.70%
backup-2016-05-26.img.gz.gpg.part0072 [#####] 97.72%
backup-2016-05-26.img.gz.gpg.part0073 [#####] 97.70%
Time so far: 2.80 hours Speed: 336 Mb/s
Uploaded 70/75 files and 396.71 GB/398.99 GB (99.43%) in total

Error uploading backup-2016-05-26.img.gz.gpg.part0059: Curl error #56 GnuTLS recv error (-54): Error in the
pull function.
```

# Offsite Box.com backups (rt#3903)

- Going well so far, 14.9 TB stored so far, and growing rapidly!

Account Information	
Account type:	Enterprise
Storage (used/total):	14.9 TB / Unlimited

- Still needs work to be more reliable, like retrying files with a delay, but it's getting there.
- Crashed this last week because of our Sunday morning power outage :(

# Puppet IRC (rt#3434, rt#4528)

- Tons of config (6000+ lines, mostly comments thankfully, but still a lot to go through)
- Tried multiple different IRC servers, settled with InspIRCd, relatively new and actually updated
- Pretty boring, lots of config, but allows our infrastructure to be rebuild more easily than before and be a lot more predictable.
- Still need to add documentation, but it's coming

# IRC Web Client (rt#4586)

- Quick access for anyone to connect and ask questions
- Easy public access to OCF staff for quick help (without having to have long email chains back and forth)
- Relatively nice to look at

The screenshot displays the IRC Web Client interface. At the top, there is a 'Connect' section with a form for 'User preferences'. The form includes input fields for 'Nick', 'Username', 'Real name', and 'Channels' (which contains '#rebuild'). A green 'CONNECT' button is located below the form.

Below the form is a chat window for the channel '#rebuild'. The window title is '#rebuild BoD meetings Mondays at 7:00 PM @ OCF Lab | /join #r'. The chat history shows three messages from 17:32:

- 17:32: jvperrin-web (jvperrin-we@127.0.0.1) has joined the channel
- 17:32: The topic is: BoD meetings Mondays at 7:00 PM @ OCF Lab | /join #rebuild-spam | /join #atool | days since last kernel panic: still 0
- 17:32: Topic set by ckuehl on 9/8/2016, 10:21:13 PM

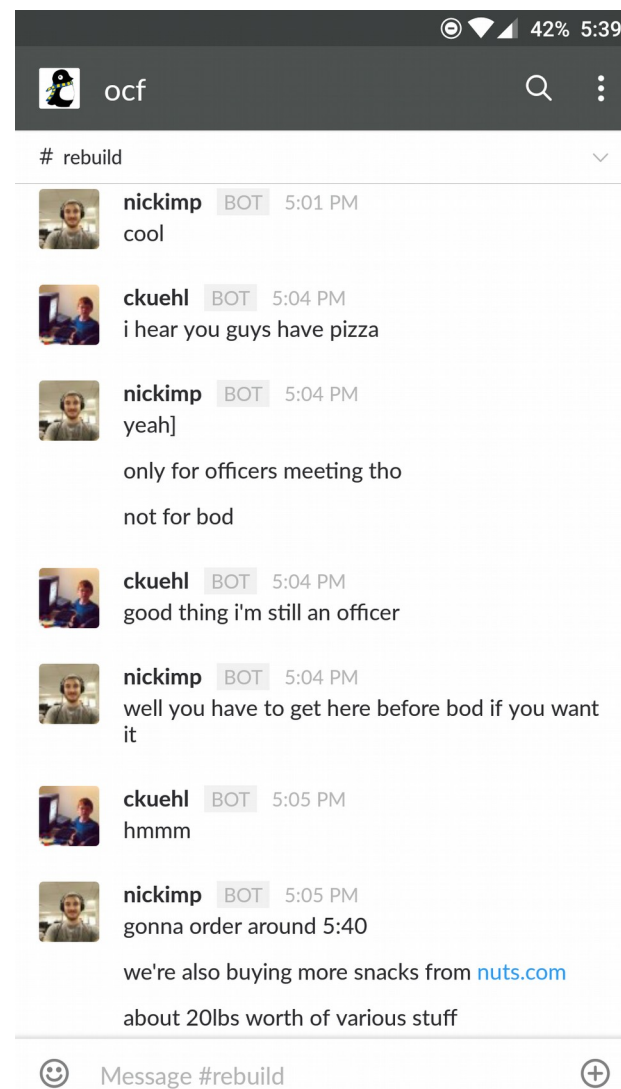
On the right side of the chat window, there is a sidebar with the following information:

- 37 users
- Operators: @ckuehl, @jvperrin, @kochira, @kpengboy, @kuoh, @ldw, @mattmal, @nattofriends, @waf
- Users: andycui, andycui\_, COOL\_AND\_SPICY

At the bottom of the chat window, there is a text input field with the placeholder 'jvperrin-web:' and a send button.

# Slack ↔ IRC Bridge (rt#4586)

- Mirrors messages from Slack to IRC and vice-versa.
- Easier for most people to use than IRC, since a lot of organizations already use Slack
- Mobile notifications!
- Still has some lingering issues, like creating new users and channels. (rt#5121-5124)



# Other small improvements

- Cleaned temp files from desktops more reliably (rt#4805)
- Improved package backporting using Puppet (rt#3106)
- Numerous small things, but none of those really matter