

Apache Libcloud

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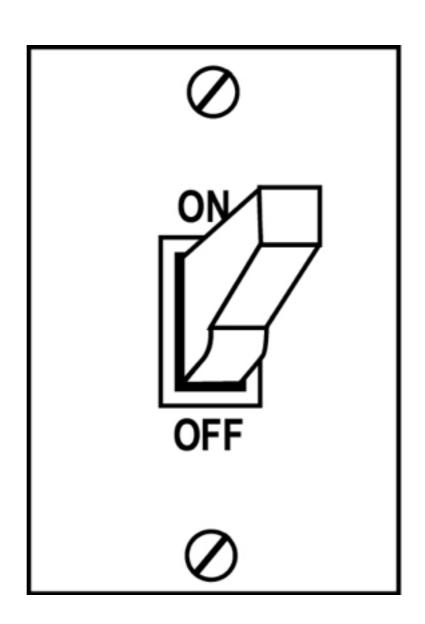
l want a server.







I want a server right now.



Libcloud is about Compute

Not SaaS, PaaS, or Cloud Storage

Why!?!?

- Amazon: XML + Custom HMAC Auth
- Rackspace: JSON + Auth Tickets
- SoftLayer: XML RPC + User / Password

Cloud API Standards

• Haven't worked.

16 Providers

































Simple APIs

- list_nodes()
- reboot_node()
- destroy_node()
- create_node()

Tricks!

- Included data:
 - Location
 - Price-per-hour in USD
- Cheapest 4 gigabyte node outside the US

Code on Slides, at Ignite!

Don't update that Wiki!

pssh on list list_nodes()

Fabric + Libcloud

```
$ fab hostname
[173.45.245.33] run: hostname
[173.45.245.33] out: lctest3.klk.me
[173.45.245.32] run: hostname
[173.45.245.32] out: lctest2.klk.me
```

Done.

Disconnecting from 173.45.245.33... done. Disconnecting from 173.45.245.32... done.

Building on Top

Silver Lining: Python Deployment on the Cloud

Building on Top

Mercury: Drupal Deployment on the Cloud

Up Next

No World Domination, just clouds

Image Formats

Standards haven't worked (yet!)

Multiple Languages

• Java experiment started

It's Open Source



Related Projects

- JClouds: Java-world-equivalent
- Apache Deltacloud: Ruby-ish equivalent

Apache Libcloud:

http://libcloud.org/

#libcloud on Freenode IRC

• Slides online:

http://paul.querna.org/slides