



Lithium Server Deployment Sanity

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About

a data science company,
making tools
and offering services
for answering data questions

in Liverpool



ScraperWiki

Rebooting

```
ssh: connect to host x.scrapewiki.com  
port 5555: Connection refused  
$
```



Scrapewiki

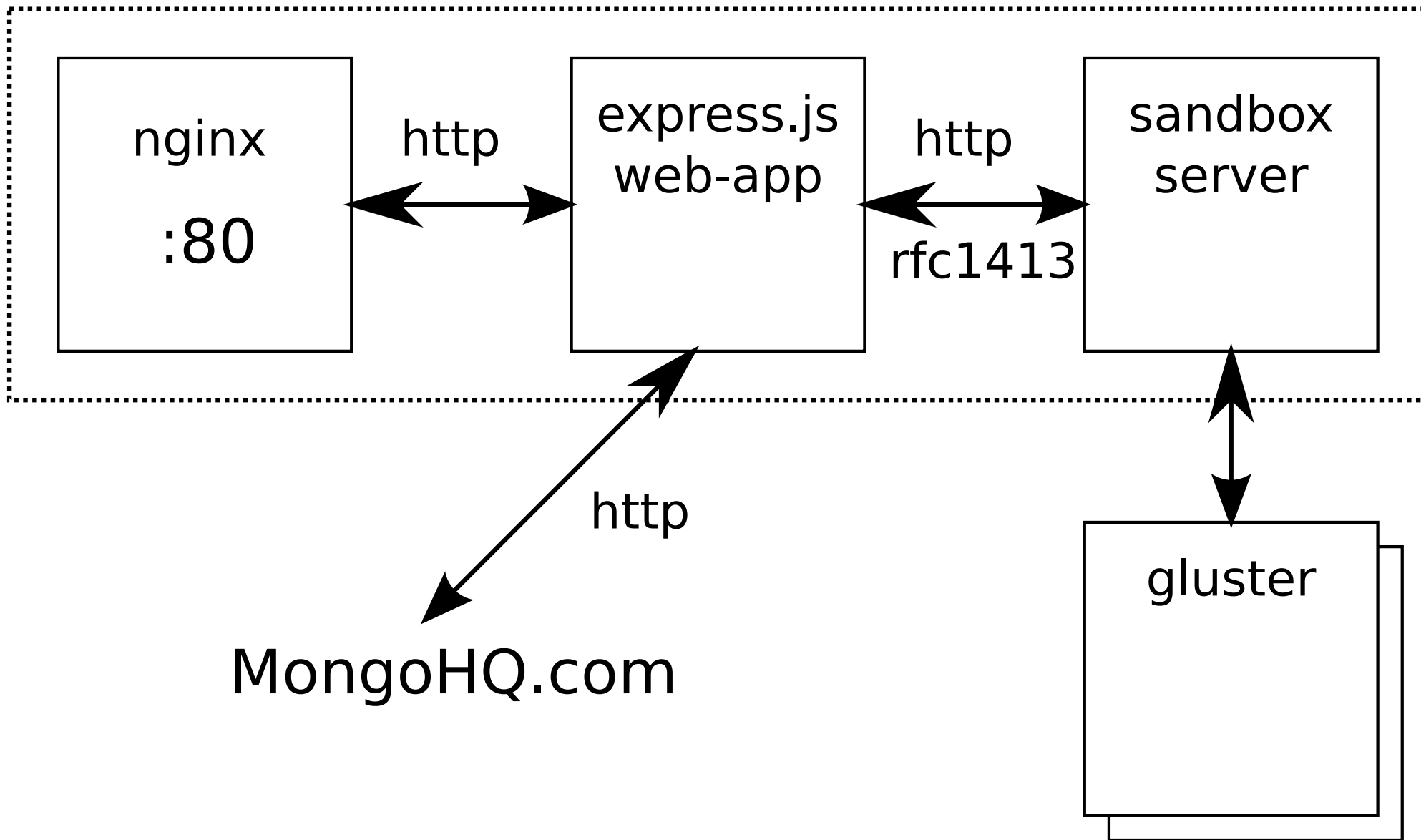
New platform

New code

Chance to test drive CoffeeScript



ScraperWiki



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Logging

we do not have
a central log server



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Lithium

1000 lines of CoffeeScript

2300 lines of config and scripts

including 1300 lines of shell

average shell script is
30 lines



ScrapperWiki

CoffeeScript

```
@set_comment: (name, comment, callback) ->
  @get name, (instance) =>
    @_get_config instance, (err, config) =>
      @client.call 'linode.config.update',
        'LinodeID': instance.id
        'ConfigID': config.ConfigID
        'Comments': comment
      , (err, res) ->
        callback err, res
```



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Shell

```
#!/bin/sh
```

```
export DEBIAN_FRONTEND=noninteractive
```

```
apt-get install -qq monit >>/var/log/apt-get.moni
```

```
cp -r config/monit /etc
```

```
monit reload
```



ScraperWiki

The Future

DNS

Service

Mixins

Data Centres

Cloud Providers

World Domination



ScraperWiki

Summary

- ♥ CoffeeScript
- ♥ Node.js
- ♥ Linode
- ♥ tab-completion
Shell
- ✘ apt-get

@drjtwit



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