

# Hosting for side projects

20th April 2017

# Hello 🖐️

1. Hosting and deployment
2. Third party services

# Priorities

# Outgrowing basic plans on Heroku

# Caveats

# Approach

# git push to deploy

## .git/hooks/post-receive

```
#!/bin/bash
```

```
# enable rENV and rENV plugins  
. ~/.bash_profile
```

```
while read oldrev newrev ref  
do
```

```
    if [[ $ref =~ .*/master$ ]];  
    then
```

```
        echo "Master ref received.  Deploying master branch to  
production..."
```

```
        /home/deploy/demoapp_repo/update-app.sh
```

```
        echo "Deploy complete"
```

```
    else
```

```
        echo "Ref $ref successfully received but doing nothing,  
only updates to master are deployed"
```

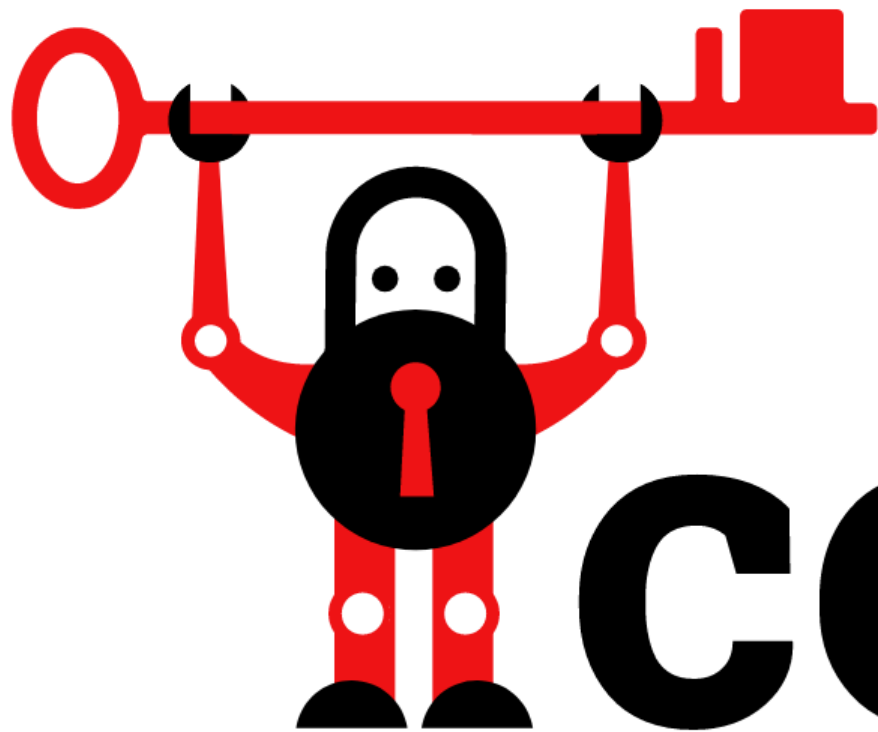
```
    fi
```

```
done
```





**Let's Encrypt is  
awesome 🥰**



# certbot

Automatically enable HTTPS on your website with EFF's Certbot, deploying [Let's Encrypt](#) certificates.

I'm using

Software



on

System



To get instructions for Certbot, choose your server software and the system it is running on from the dropdown menus above. You can then pick "advanced" if you want less automation and more control.



# Email delivery

# Monitoring

# Exception tracking

# #2 NoMethodError: undefined method `name' for nil:NilClass production · Rails

Level: Error ▾

Status: **Active**

Resolve ▾

Mute

Unassigned ▾

Not watching ▾

0

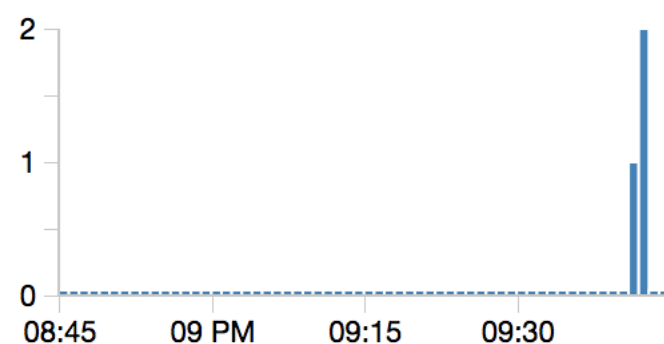
First seen: [3 minutes ago](#)

Last seen: [2 minutes ago](#)

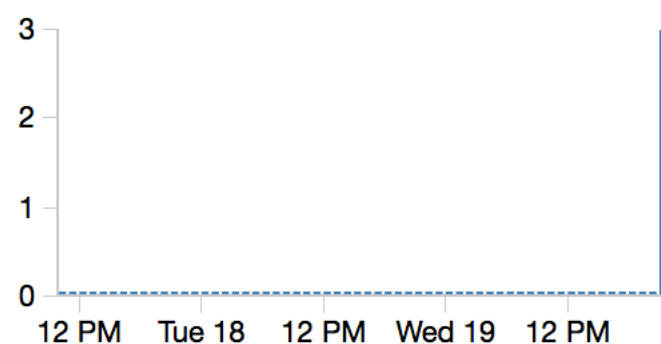
Total occurrences: 3

Unique IPs affected: 2

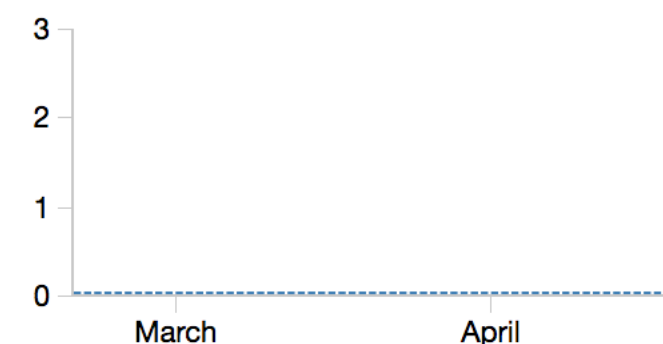
## Last 60 Minutes



## Last 60 Hours



## Last 60 Days



Traceback

[Occurrences](#)

[People](#)

[Browser/OS](#)

[IP Addresses](#)

[Suspect Deploy](#)

[Similar Items](#)

[Community Solutions](#)

**NoMethodError:** undefined method `name' for nil:NilClass

```
1 File "/home/mike/demoapp/app/controllers/example_controller.rb" line 3 in show
+ 65 non-project frames
```

First seen (occurrence [24169023632](#)) with level **Error**

4 mins ago



Leave your comment here

Comment

Resolve ▾

Comments are parsed with [Rollbar-flavored Markdown](#)

# Exception filtering

```
config.exception_level_filters.merge!({  
  'ActionController::RoutingError' => 'ignore',  
  'NoMethodError' => 'critical'  
})
```

```
config.exception_level_filters.merge!({  
  'SomeError' => lambda { |error|  
    error.to_s.include?('not serious enough') ?  
    'info' : 'error' }  
})
```

# Uptime monitoring

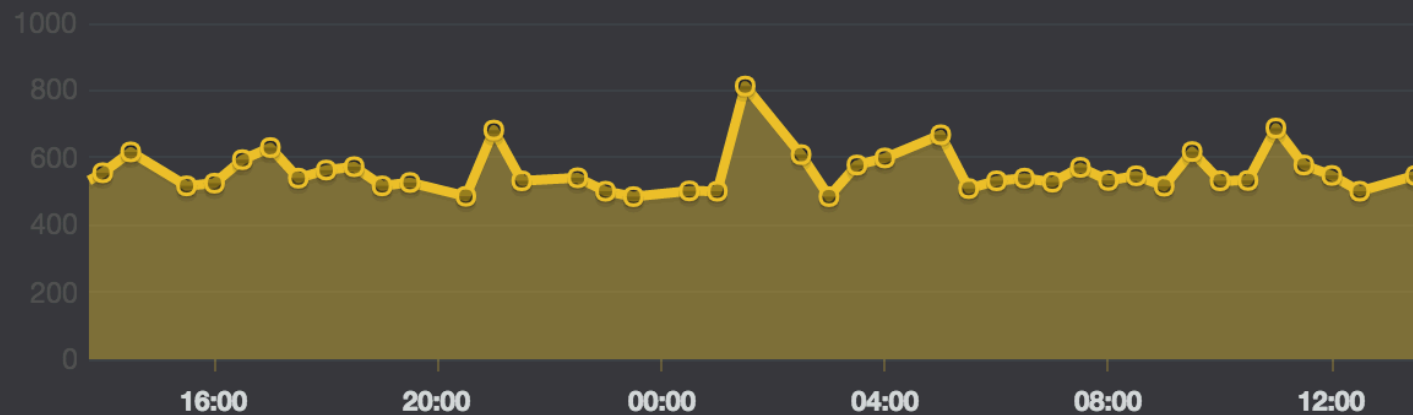


## Uptime last 24 hours



## Response Time last 24 hours (558.21ms av.)

Shows the "instant" that the monitor started returning a response in ms (and average for the displayed period is 558.21ms).



### Current Status

**Up**

Since 16 hrs, 8 mins (2017-04-14 21:36:16)

### Uptime

**98.87%** (last 24 hours)

**99.84%** (last 7 days)

**99.96%** (last 30 days)

■ Milliseconds

### Latest downtime

It was recorded on 2017-04-14 21:19:58 and the downtime lasted for 0 hrs, 16 mins.

### Latest Events (up, down, start, pause)

[Export Logs](#)

Event	Date-Time	Reason	Duration
↑ Up	2017-04-14 21:36:16	OK (200)	16 hrs, 8 mins
↓ Down	2017-04-14 21:19:58	Bad Gateway (502)	0 hrs, 16 mins
↑ Up	2017-02-23 10:06:55	OK (200)	1211 hrs, 13 mins
↓ Down	2017-02-23 08:56:56	Bad Gateway (502)	1 hrs, 9 mins
↑ Up	2017-02-23 08:51:35	OK (200)	0 hrs, 5 mins
▶ Started	2017-02-23 08:51:22	Timeout	0 hrs, 0 mins

## New Monitor

### Monitor Information

Monitor Type \*

Keyword

Friendly Name \*

URL (or IP) \*

http://

Keyword \*

(the keyword is case-sensitive)

Alert When \*

Keyword Exists

Keyword Not Exists


Monitoring Interval \*

every 5 minutes

Authentication Settings (Optional) show/hide

## Select "Alert Contacts To Notify"

0 of 1 alert contacts are selected.


Type		Alert Contact
<input type="checkbox"/>		mike@josephson.org

New alert contacts can be defined from the "My Settings" page.

Close

Create Monitor

# Cron job monitoring

 <a href="#">CHECKS</a> <a href="#">INTEGRATIONS</a> <a href="#">PRICING</a> <a href="#">DOCS</a> <a href="#">ABOUT</a> <span>mike@josephson.org ▾</span>				
Name	Ping URL	Period	Grace	Last Ping
✓ josephson.org activity feed	https://hchk.io/74f93cbd-abd2-4220-aab2-237ba8936c81	30 minutes	2 hours	23 minutes ago
🔔 daily email	https://hchk.io/f2eea157-e76a-4051-a46e-4098f18b23c9	1 hour	1 hour	an hour ago
✓ daily db backups	https://hchk.io/1ac9f0d6-9757-4e2f-ae64-80d9dff4f449	1 day	1 hour	53 minutes ago
<a href="#">Add Check</a>				

```
require 'net/http'  
Net::HTTP.get(URI('https://hchk.io/74f93cbd...'))
```

# Backups

# Weekly

## Backups

Backups are currently enabled. They are scheduled to start weekly Tuesday 9 PM to Wednesday 8 PM.

Backups for this Droplet cost \$1.00 per month.

[Disable Backups](#)

## Droplet backups



**droplet0.lon.josephson.co.uk 2017-03-23**

Backup created 23 days ago



**droplet0.lon.josephson.co.uk 2017-03-30**

Backup created 16 days ago



**droplet0.lon.josephson.co.uk 2017-04-06**

Backup created 10 days ago



**droplet0.lon.josephson.co.uk 2017-04-13**

Backup created 2 days ago

[More](#)

Convert to snapshot

Create Droplet

Restore Droplet

[More](#)

# Nightly

```
SUFFIX=$(date +%Y-%m-%d)
```

```
pg_dump -h localhost -U cognicash -w  
demoapp_production -c > \  
    /home/deploy/backups/demoapp_db_backup-$SUFFIX
```

```
aws s3 cp --quiet /home/deploy/backups/  
demoapp_db_backup-$SUFFIX \  
    s3://digitalocean-backups/
```

```
curl --silent --retry 3 \  
    https://hchk.io/1ac9f0d6... > /dev/null
```

# Keep a todo list

The screenshot shows a macOS-style window titled 'Projects' with a purple icon. Inside, there's a section for 'Digital Ocean maintenance' with a dropdown arrow and a list icon. Below this, it says '• 5 remaining'. The list contains five items, each with a list icon, a description, a status, and a circular progress indicator with three dots.

Description	Status	Progress
Check healthchecks.io monthly report received • Email	Deferred until Tomorrow → no due date	Orange circle with 3 dots
Run weekly package/security updates on Digital Ocean • Online	Deferred until 24/04/2017 → Due 24/04/2017	Grey circle with 3 dots
Perform test restore of Postgres backups from S3 • Computer	Deferred until 01/05/2017 → no due date	Orange circle with 3 dots
Renew SSL certificates on app droplets • Online	Deferred until 15/05/2017 → Due 23/05/2017	Grey circle with 3 dots
Renew share.josephson.org SSL certificate • Online	Deferred until 31/05/2017 → Due 13/06/2017	Grey circle with 3 dots

5 actions, 1 project

# Thank you Questions?

<https://josephson.org/hfsp>

 @michaelj