学习

heroku

#heroku

1: heroku

HerokuPaaSWeb。 Heroku2007[Salesforce](#)。

Heroku。

Heroku。 Heroku。

Examples

HerokuHeroku Toolbelt。

Heroku[Heroku Toolbelt](#)。

---

brewheroku

```
brew install heroku
```

Debian / Ubuntu

```
wget -O- https://toolbelt.heroku.com/install-ubuntu.sh | sh
```

HerokuaptHerokuHeroku ToolbeltRuby。

。

Heroku Toolbelt

```
heroku create your-app-name
```

Heroku

```
git push heroku master
```

```
heroku open your-app-name
```

Heroku

```
heroku commands
```

```
heroku help
```

```
heroku help <command>
```

Heroku

heroku create Heroku。 Heroku。

Heroku。 Heroku。

Heroku

```
heroku create [app_name]
```

heroku create Heroku。

HerokuAmazon。 Heroku us。

```
heroku create [app_name] --region eu
```

useu。

heroku https://riptutorial.com/zh-CN/heroku/topic/959/heroku

2: Buildpack

Examples

Buildpacks

HerokuRubyNode.jsClojurePythonJavaGradleGrailsScalaPlayPHPGobuildpack。

HerokuCLI

1.
```
heroku create <app_name> --buildpack <buildpack_name>
```

2.
```
heroku buildpacks:set <buildpack_name>
```

URLBuildpack。 PHP buildpack

```
heroku buildpacks:set heroku/php
```

```
heroku buildpacks:set https://elements.heroku.com/buildpacks/heroku/heroku-buildpack-php
```

buildpack

buildpack。 `add`

```
heroku buildpacks:add --index 1 <buildpack_name>
```

- `--index`buildpack。

```
heroku buildpacks:set heroku/php
heroku buildpacks:add --index 1 heroku/nodejs
```

buildpack

```
heroku/nodejs
heroku/php
```

Heroku--80。 。 `web: node server.js`procfile 80PHP。 。 。

Buildpack https://riptutorial.com/zh-CN/heroku/topic/6126/buildpack

3: Heroku node.js Hello World

heroku login

heroku createheroku create your_name

```
git clone https://github.com/zoutepopcorn/herokuworld
cd herokuworld
```

```
https://your_name.herokuapp.com/
```

```
heroku local web
```

lolhost5000

node.js apppackage.json

```
"scripts": {
  "start": "node index.js"
},
"engines": {
  "node": "7.6.0"
}
```

index.js

```
process.env.PORT
```

5000。 HerokuURL80。

Examples

Heroku node.js

index.js

```
var http = require("http");

http.createServer(function(request, response) {
  response.writeHead(200, {"Content-Type": "text/plain"});
  response.write("Heroku world!");
  response.end();
}).listen(process.env.PORT);
```

package.json

```
{
  "name": "node-example",
  "version": "1.0.0",
```

```
  "description": "Hello world Heroku",
  "scripts": {
    "start": "node index.js"
  },

  "keywords": [
    "example",
    "heroku"
  ],
  "author": "Johan",
  "license": "MIT",
  "engines": {
    "node": "7.6.0"
  }
}
```

Heroku node.js Hello World https://riptutorial.com/zh-CN/heroku/topic/9897/heroku-node-js-hello-world

4: Heroku Postgres

Examples

HerokuPostgres

Heroku

1.SHARED_DATABASE_URL

```
heroku pg:reset DATABASE
```

2.

```
heroku run rake db:migrate
```

3.

```
heroku run rake db:seed
```

23

```
heroku run rake db:setup
```

heroku

heroku

1.

```
heroku pg:pull DATABASE_URL change_to_your_data_base_name --app change_to_your_app_name
```

2.

```
GRANT ALL PRIVILEGES ON DATABASE change_to_your_data_base_name to change_to_your_user; ALTER
DATABASE change_to_your_data_base_name OWNER TO change_to_your_user;
```

3.

```
SELECT 'ALTER TABLE '|| schemaname || '.' || tablename ||' OWNER TO change_to_your_user;' FROM
pg_tables WHERE NOT schemaname IN ('pg_catalog', 'information_schema') ORDER BY schemaname,
tablename;
```

Heroku Postgres https://riptutorial.com/zh-CN/heroku/topic/6239/heroku-postgres

5: Heroku

HerokuHTTP503.。 HTTPHR。 L。

- H10 - App
- H11 -
- H12 -
- H13 -
- H14 - dynos
- H15 -
- H16 - herokuapp.com
- H17 - HTTP
- H18 -
- H19 -
- H20 - App
- H21 -
- H22 -
- H23 -
- H24 -
- H25 - HTTP
- H26 -
- H27 -
- H28 -
- H80 -
- H81 -
- H82 - dyno
- H99 -
- R10 -
- R12 -
- R13 -
- R14 -
- R15 -
- R16 -
- R17 -
- R99 -
- L10 -
- L11 -
- L12 -
- L13 -
- L14 -

Examples

H10 - App

Web dynoweb dyno。

```
2010-10-06T21:51:04-07:00 heroku[web.1]: State changed from down to starting
2010-10-06T21:51:07-07:00 app[web.1]: Starting process with command: `bundle exec rails server
-p 22020`
2010-10-06T21:51:09-07:00 app[web.1]: >> Using rails adapter
2010-10-06T21:51:09-07:00 app[web.1]: Missing the Rails 2.3.5 gem. Please `gem install -
v=2.3.5 rails`, update your RAILS_GEM_VERSION setting in config/environment.rb for the Rails
version you do have installed, or comment out RAILS_GEM_VERSION to use the latest version
installed.
2010-10-06T21:51:10-07:00 heroku[web.1]: Process exited
2010-10-06T21:51:12-07:00 heroku[router]: at=error code=H10 desc="App crashed" method=GET
path="/" host=myapp.herokuapp.com fwd=17.17.17.17 dyno= connect= service= status=503 bytes=
```

H11 -

HTTP。。H11。dynos。

```
2010-10-06T21:51:07-07:00 heroku[router]: at=error code=H11 desc="Backlog too deep" method=GET
path="/" host=myapp.herokuapp.com fwd=17.17.17.17 dyno= connect= service= status=503 bytes=
```

dynos。。

H12 -

HTTP30。Rails37;RailsHTTP503Rails。

```
2010-10-06T21:51:07-07:00 app[web.2]: Processing PostController#list (for 75.36.147.245 at
2010-10-06 21:51:07) [GET]
2010-10-06T21:51:08-07:00 app[web.2]: Rendering template within layouts/application
2010-10-06T21:51:19-07:00 app[web.2]: Rendering post/list
2010-10-06T21:51:37-07:00 heroku[router]: at=error code=H12 desc="Request timeout" method=GET
path="/" host=myapp.herokuapp.com fwd=17.17.17.17 dyno=web.1 connect=6ms service=30001ms
status=503 bytes=0
2010-10-06T21:51:42-07:00 app[web.2]: Completed in 37000ms (View: 27, DB: 21) | 200 OK
[http://myapp.heroku.com/]
```

30dyno。

H13 -

web dyno。

```
2010-10-06T21:51:37-07:00 heroku[router]: at=error code=H13 desc="Connection closed without
response" method=GET path="/" host=myapp.herokuapp.com fwd=17.17.17.17 dyno=web.1
connect=3030ms service=9767ms status=503 bytes=0
```

Unicorn Web30。UnicornH13。

H14 - dynos

---

dynos0 dynos。 1dynos

```
$ heroku ps:scale web=1
```

heroku psWeb dynos。

```
2010-10-06T21:51:37-07:00 heroku[router]: at=error code=H14 desc="No web processes running"
method=GET path="/" host=myapp.herokuapp.com fwd=17.17.17.17 dyno= connect= service=
status=503 bytes=
```

H15 -

55dyno。 `Content-Length`50。

```
2010-10-06T21:51:37-07:00 heroku[router]: at=error code=H15 desc="Idle connection" method=GET
path="/" host=myapp.herokuapp.com fwd=17.17.17.17 dyno=web.1 connect=1ms service=55449ms
status=503 bytes=18
```

Heroku https://riptutorial.com/zh-CN/heroku/topic/8321/heroku

6: Heroku

Heroku。

Examples

Heroku

Heroku

```
heroku addons:create scheduler:standard
```

Heroku https://riptutorial.com/zh-CN/heroku/topic/8906/heroku

7: Heroku

Examples

Heroku

1.Heroku1500。 1500Heroku 。

2. HTTP3055。 1MB。

3. Dynos Dyno 。 dynos 30。 dyno550.100dynos10dynos。 dynodynos。

4. 32kb。

5.75Heroku Git。 1GB。 Slug300 MB15。

6.10100,000。

7. Heroku Postgres415。

8. API Heroku API2400 /。

9.50025。

10.100。 5。

Heroku https://riptutorial.com/zh-CN/heroku/topic/6190/heroku

8:

- ""{...}

Examples

1. `package.json`**bower**

   ```
   "dependencies": {
       "bower": "^1.7.9"
   }
   ```

2. `scripts``postinstall`

   ```
   "scripts": {
       "postinstall": "./node_modules/bower/bin/bower install"
   }
   ```

3. `.bowerrc`**bower_components**。 **bower_components**。

   ```
   {
       "directory" : "app/bower_components"
   }
   ```

Heroku`npm install``bower install`

https://riptutorial.com/zh-CN/heroku/topic/6665/

9:

HerokuCLIHeroku Toolbelt/ shellHeroku。

- $ heroku --version
- $ heroku
- $ heroku

Examples

OS X.

OS X。

---

32 64 Windows。

Debian / Ubuntu

aptCLI

```
$ sudo add-apt-repository "deb https://cli-assets.heroku.com/branches/stable/apt ./"
$ curl -L https://cli-assets.heroku.com/apt/release.key | sudo apt-key add -
$ sudo apt-get update
$ sudo apt-get install heroku
```

---

tarballPATH。

```
$ echo replace OS/ARCH with values as noted below
$ wget https://cli-assets.heroku.com/branches/stable/heroku-OS-ARCH.tar.gz
$ tar -xvzf heroku-OS-ARCH /usr/local/lib/heroku
$ ln -s /usr/local/lib/heroku/bin/heroku /usr/local/bin/heroku
```

CLIheroku --version。

```
$ heroku --version
heroku-cli/5.6.0-010a227 (darwin-amd64) go1.7.4
```

Heroku;API~/.netrc。

Heroku CLIgitHeroku

```
$ heroku login
Enter your Heroku credentials.
Email: adam@example.com
Password (typing will be hidden):
Authentication successful.
```

Heroku

```
$ cd ~/myapp
$ heroku create
Creating app... done, ⬡ sleepy-meadow-81798
https://sleepy-meadow-81798.herokuapp.com/ | https://git.heroku.com/sleepy-meadow-81798.git
```

https://riptutorial.com/zh-CN/heroku/topic/8324/

10:

- $ heroku
- $ heroku logs -n 200
- $ heroku logs --tail
- $ heroku logs --dyno router
- $ heroku logs --source app
- $ heroku logs --source app --dyno worker
- $ heroku logs --source app --tail

Examples

Heroku

- **-**。 。 **-** `--source app`

- **-** HerokuWeb dyno。 **-** `--source heroku`

- **API** -。 **-** `--source heroku --dyno api`

```
timestamp source[dyno]: message
```

- **-** dyno。 RFC5424。

- **-** dynosweb dynoscron `app`。 HerokuHTTPdyno `heroku`。

- **Dyno** - dyno。 worker3`worker.3` Heroku HTTP`router`。

- **-** 。 dynos1000010000。 。

`heroku logs`。

```
$ heroku logs
```

logs100。 `--num -n` 1,500。

```
$ heroku logs -n 200
```

`tail -f`。 。 `--tail -t`。

```
$ heroku logs --tail
```

Ctrl + C。

---

dyno`--source -s --dyno -d`

```
$ heroku logs --dyno router
2012-02-07T09:43:06.123456+00:00 heroku[router]: at=info method=GET path="/stylesheets/dev-
center/library.css" host=devcenter.heroku.com fwd="204.204.204.204" dyno=web.5 connect=1ms
service=18ms status=200 bytes=13
2012-02-07T09:43:06.123456+00:00 heroku[router]: at=info method=GET path="/articles/bundler"
host=devcenter.heroku.com fwd="204.204.204.204" dyno=web.6 connect=1ms service=18ms status=200
bytes=20375

$ heroku logs --source app
2012-02-07T09:45:47.123456+00:00 app[web.1]: Rendered shared/_search.html.erb (1.0ms)
2012-02-07T09:45:47.123456+00:00 app[web.1]: Completed 200 OK in 83ms (Views: 48.7ms |
ActiveRecord: 32.2ms)
2012-02-07T09:45:47.123456+00:00 app[worker.1]: [Worker(host:465cf64e-61c8-46d3-b480-
362bfd4ecff9 pid:1)] 1 jobs processed at 23.0330 j/s, 0 failed ...
2012-02-07T09:46:01.123456+00:00 app[web.6]: Started GET "/articles/buildpacks" for 4.1.81.209
at 2012-02-07 09:46:01 +0000

$ heroku logs --source app --dyno worker
2012-02-07T09:47:59.123456+00:00 app[worker.1]: [Worker(host:260cf64e-61c8-46d3-b480-
362bfd4ecff9 pid:1)] Article#record_view_without_delay completed after 0.0221
2012-02-07T09:47:59.123456+00:00 app[worker.1]: [Worker(host:260cf64e-61c8-46d3-b480-
362bfd4ecff9 pid:1)] 5 jobs processed at 31.6842 j/s, 0 failed ...
```

`--tail`。

```
$ heroku logs --source app --tail
```

https://riptutorial.com/zh-CN/heroku/topic/8327/

11:

- heroku<install | create | promote> ...

Heroku。 ""“""“"。

Examples

CLI

Heroku Toolbelt[Pipelines](#) 。

```
heroku plugins:install heroku-pipelines
```

。 `--stage STAGE` **CLI**。 `NAME`。

```
heroku pipelines:create -a example
```

```
heroku pipelines:promote -r staging
```

```
heroku pipelines:promote -r staging --to my-production-app1,my-production-app2
```

```
heroku help pipelines
```

https://riptutorial.com/zh-CN/heroku/topic/2389/

12:

- git push heroku master

Examples

Git

git

HerokuGit。 myapp

```
$ cd myapp
$ git init
Initialized empty Git repository in .git/
$ git add .
$ git commit -m "my first commit"
Created initial commit 5df2d09: my first commit
 44 files changed, 8393 insertions(+), 0 deletions(-)
 create mode 100644 README
 create mode 100644 Procfile
 create mode 100644 app/controllers/source_file
...
```

`.git`。 ;Heroku。

Heroku

```
$ heroku create
Creating falling-wind-1624... done, stack is cedar-14
http://falling-wind-1624.herokuapp.com/ | https://git.heroku.com/falling-wind-1624.git
Git remote heroku added
```

Git。 heroku gitremotegit url。

```
$ heroku git:remote -a falling-wind-1624
Git remote heroku added.
```

。

```
$ git push heroku master
Initializing repository, done.
updating 'refs/heads/master'
...
```

master

```
$ git push heroku yourbranch:master
```

https://riptutorial.com/zh-CN/heroku/topic/8325/

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5	Heroku	Sender
6	Heroku	jophab
7	Heroku	autoboxer, Thamilan
8		Thamilan
9		Sender
10		Sender
11		Thamilan
12		Sender