

 免費電子書

學習

heroku

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# 1: heroku

HerokuPaaSWeb。 Heroku2007Salesforce。

Heroku。

Heroku。 Heroku。

## Examples

HerokuHeroku Toolbelt。

---

HerokuHeroku 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<sub>us</sub>.

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

useu .

heroku <https://riptutorial.com/zh-TW/heroku/topic/959/heroku>

# 2: Buildpack

## Examples

### Buildpacks

Heroku Ruby Node.js Clojure Python Java Gradle Grails Scala Play PHP Go [buildpack](#) ◦

### Heroku CLI

1. 

```
heroku create <app_name> --buildpack <buildpack_name>
```
2. 

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

---

### URL Buildpack ◦ 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 80 PHP ◦ ◦ ◦

[Buildpack](https://riptutorial.com/zh-TW/heroku/topic/6126/buildpack) <https://riptutorial.com/zh-TW/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-TW/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-TW/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
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- H28 -
- H80 -
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- H82 - dyno
- H99 -
- R10 -
- R12 -
- R13 -
- R14 -
- R15 -
- R16 -
- R17 -
- R99 -
- L10 -
- L11 -
- L12 -
- L13 -
- L14 -

## Examples

### H10 - App

## Web 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.herokuapp.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-Length50

```
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-TW/heroku/topic/8321/heroku>

---

## 6: Heroku

Heroku®

### Examples

Heroku

Heroku

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

Heroku <https://riptutorial.com/zh-TW/heroku/topic/8906/heroku>

---

# 7: Heroku

## Examples

### Heroku

1. Heroku 1500. 1500 Heroku .

2. HTTP 3055. 1MB.

3. **Dynos** Dyno . dynos 30. dyno 550. 100 dynos 10 dynos. dyno dynos.

4. 32kb.

5. 75 Heroku Git. 1GB. Slug 300 MB 15.

6. 10 100,000.

7. **Heroku Postgres** 415.

8. **API** Heroku API 2400 /.

9. 500 25.

10. 100. 5.

Heroku <https://riptutorial.com/zh-TW/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-TW/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-TW/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 worker3worker.3 Heroku HTTProuter`
- `- 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/devcenter/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-TW/heroku/topic/8327/>



---

# 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-TW/heroku/topic/8325/>



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5	Heroku	<a href="#">Sender</a>
6	Heroku	<a href="#">jophab</a>
7	Heroku	<a href="#">autoboxer</a> , <a href="#">Thamilan</a>
8		<a href="#">Thamilan</a>
9		<a href="#">Sender</a>
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11		<a href="#">Thamilan</a>
12		<a href="#">Sender</a>