Mastering DevOps

Dave Mangot

Section 7

Sharing ▶

Scrum

- More prescriptive

- Sprint planning

- Daily standup

- Sprint review

- Sprint retrospective

- AIM: measure team velocity

Kanban

- Less prescriptive

- 100% pull based system

- WIP limits

Retrospectives

Mastering DevOps

Dave Mangot

Video 7.2

Learning Reviews

In this Video, we are going to take a look at...

- Blameless Postmortems

- The Root Cause Fallacy

- Accountability

- Counterfactuals and biases

- For more information

The Root Cause Fallacy

- Failure is NORMAL

- Root cause is relative

- What does having a root cause resolve

Accountability

- Accountability <> Responsibility
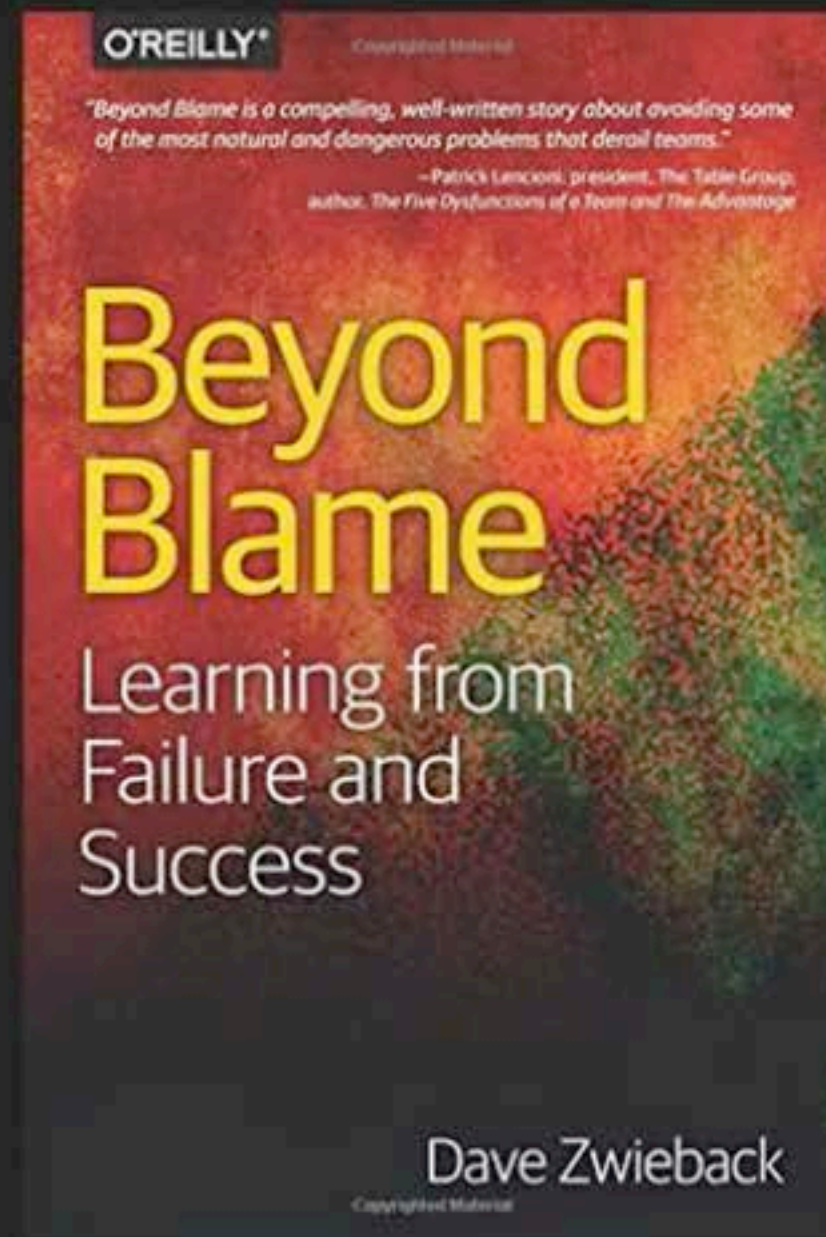
- Make it safe

- Just culture

- Empathy

Counterfactuals and Biases

- Counterfactuals:

    o "could have"

    o "should have"

    o "if only we"

Counterfactuals and Biases

- Biases:

    o Recency Bias

    o Hindsight Bias

    o Fundamental Attribution Error

Mastering DevOps

Dave Mangot

Video 7.3

Chatbots ▶

In this Video, we are going to take a look at...

- ChatOps

- Our first Chatbot

- Improving our bot

ChatOps

- IRC, Slack, Hipchat, and so on

- Bots perform actions

- Visible to everyone

Our First Chatbot

- https://slack.com/

- https://github.com/llimllib/limbo

- https://github.com/dmangot/Mastering-DevOps

GitHub - llimllib/limbo: A simp   ✕   # general | Mastering DevOps   ✕   Dave

GitHub, Inc. [US]   https://github.com/llimllib/limbo

Personal   Open source   Business   Explore   Pricing   Blog   Support   This repository   Search   Sign in   Sign up

llimllib / limbo   ◉ Watch   17   ★ Star   205   ⑂ Fork   123

<> Code   ⊘ Issues 17   ⬚ Pull requests 1   ▦ Wiki   ⚡ Pulse   ⊞ Graphs

A simple, clean, easy to modify Slack chatbot

◉ 316 commits   ⑂ 2 branches   ⬓ 6 releases   ⬚ 12 contributors

Branch: master ▾   New pull request   Find file   Clone or download ▾

🎨 llimllib version 4.3.1 bump slackrtm   Latest commit 6be28e4 on May 13

📁 bin   Add Docker/Kubernetes support   5 months ago
📁 docs/images   remove dead images   9 months ago
📁 kubernetes   Add Docker/Kubernetes support   5 months ago
📁 limbo   Limit message length   5 months ago
📁 test   don't need the unescape tests any longer   5 months ago
📄 .gitignore   Upgrade requirements and add vagrantfile   5 months ago
📄 .travis.yml   add pypy to .travis.yml   a year ago

GitHub - llimllib/limbo: A simp ✕   # general | Mastering DevOps ✕   Dave

↩ → ⟳ 🔒 GitHub, Inc. [US] https://github.com/llimllib/limbo ☆ ⧉ ▽ ◨ ⬛ ⋮

Personal   Open source   Business   Explore   Pricing   Blog   Support | This repository Search | Sign in   **Sign up**

☐ **llimllib** / **limbo**   ⊙ Watch 17   ★ Star 205   ⑂ Fork 123

<> Code   ⓘ Issues 17   ☐ Pull requests 1   ▦ Wiki   ⤳ Pulse   ⅃⅃ Graphs

A simple, clean, easy to modify Slack chatbot

⊙ **316** commits   ⑂ **2** branches   ◌ **6** releases   ⚇ **12** contributors

Branch: **master** ▾   New pull request   Find file   **Clone or download** ▾

▦ **llimllib** version 4.3.1 bump slackrtm   **Clone with HTTPS** ⓘ
                                                     Use Git or checkout with SVN using the web URL.
📁 bin   Add Docker/Kubernetes support
                                                     | https://github.com/llimllib/limbo.git   📋 |
📁 docs/images   remove dead images   Copied!
📁 kubernetes   Add Docker/Kubernetes support   **Open in Desktop**   **Download ZIP**
📁 limbo   Limit message length   5 months ago
📁 test   don't need the unescape tests any longer   5 months ago
📄 .gitignore   Upgrade requirements and add vagrantfile   5 months ago
📄 .travis.yml   add pypy to .travis.yml   a year ago

GitHub - llimllib/limbo: A simp   ×   # general | Mastering DevOps S   ×   Dave

GitHub, Inc. [US]   https://github.com/llimllib/limbo

A Slack chatbot

`build` `passing`

Installation

1. Clone the repo
2. Create a bot user if you don't have one yet, and copy the API Token
3. export SLACK_TOKEN="your-api-token"
4. `make run` (or `make repl` for local testing)
5. Invite Limbo into any channels you want it in, or just message it in #general. Try typing `!gif dubstep cat` to test it out

llimllib 3:23 PM
whoops forgot parse=full

!gif kitten mittens

slask 3:24 PM ★
http://awesomegifs.com/wp-content/uploads/kitten-mittens-always-sunny.gif (2MB)

GitHub – llimllib/limbo: A simp   ×   Bots | Mastering DevOps Slack   ×   # general | Mastering DevOps S   ×   Dave

 https://masteringdevops.slack.com/services/B1QC3EG6M   ☆

Usernames must be all lowercase. They cannot be longer than 21 characters and can only
contain letters, numbers, periods, hyphens, and underscores. Most people choose to use their
first name, last name, nickname, or some combination of those with initials.

Customize Icon

Change the icon used for this bot.   [Upload an image]   or   [Choose an emoji]

Preview Message

Here's what messages from this
integration will look like in Slack.

> **wedeming** BOT 11:59 PM
> This is what messages from this service will look like in Slack.

First & Last Name

You can choose a real name for your bot
(optional).

[W Edwards]   [Deming]

What this bot does

GitHub – llimllib/limbo: A simp...   ×   Bots | Mastering DevOps Slack ×   # general | Mastering DevOps S   ×

Dave

🔒 https://masteringdevops.slack.com/services/B1QC3EG6M

⚙ slack | **App Directory**   🔍 Search app directory   Browse   Manage   Build   ■ Mastering... ▼

Integration Settings

API Token

The library you are using will want an
API token for your bot.

> koxb-58411492353-qgeimpx5CTIZuH2hEREcnkR9

Regenerate

> ⚠ Be careful when sharing bot user tokens with applications. Do not publish bot user
> tokens in public code repositories. Review token safety tips.

Customize Name

Choose the username for this bot.

@wedeming

Usernames must be all lowercase. They cannot be longer than 21 characters and can only
contain letters, numbers, periods, hyphens, and underscores. Most people choose to use their
first name, last name, nickname, or some combination of those with initials.

2. bash

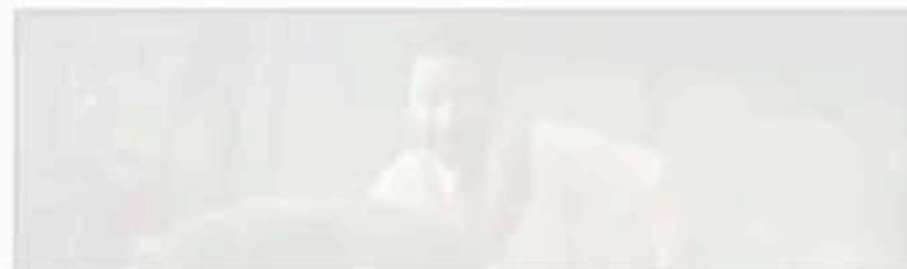bash   vagrant@vagrant: ~/Mastering...

```
blackmacbook:work dave$ git clone https://github.com/llimllib/limbo.git
Cloning into 'limbo'...
remote: Counting objects: 1447, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 1447 (delta 0), reused 0 (delta 0), pack-reused 1445
Receiving objects: 100% (1447/1447), 9.42 MiB | 272.00 KiB/s, done.
Resolving deltas: 100% (816/816), done.
Checking connectivity... done.
blackmacbook:work dave$ export SLACK_TOKEN="xoxb-58411492353-qgeimpx5CTIZuH2hEREcnkR9"
blackmacbook:work dave$ cd li
```

Installation

1. Clone the repo

2. Create a bot user if you don't have one yet, and copy the API Token

3. export SLACK_TOKEN="your-api-token"

4. make run (or make repl for local testing)

5. Invite Limbo into any channels you want it in, or just message it in #general. Try typing !gif dubstep cat to test it out

llimllib
whoops forgot parse=full

!gif kitten mittens

slask
http://awesomegifs.com/wp-content/uploads/kitten-mittens-always-sunny.gif [2MB]

bash | vagrant@vagrant: ~/Mastering...

```
blackmacbook:work dave$ git clone https://github.com/llimllib/limbo.git
Cloning into 'limbo'...
remote: Counting objects: 1447, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 1447 (delta 0), reused 0 (delta 0), pack-reused 1445
Receiving objects: 100% (1447/1447), 9.42 MiB | 272.00 KiB/s, done.
Resolving deltas: 100% (816/816), done.
Checking connectivity... done.
blackmacbook:work dave$ export SLACK_TOKEN="xoxb-58411492353-qgeimpx5CTIZuH2hEREcnkR9"
blackmacbook:work dave$ cd limbo/
blackmacbook:limbo dave$ ls
Dockerfile              README.md               limbo                   setup.py
Dockerfile.dev          Vagrantfile             requirements-2.6.txt    test
LICENSE                 bin                     requirements-to-freeze.txt  tox.ini
Makefile                docs                    requirements.txt
Procfile                kubernetes              setup.cfg
blackmacbook:limbo dave$ ▮
```

GitHub - llimllib/limbo: A simp ×   Bots | Mastering DevOps Slack ×   # general | Mastering DevOps S ×   Dave

GitHub, Inc. [US]   https://github.com/llimllib/limbo

A Slack chatbot

`build passing`

Installation

1. Clone the repo
2. Create a bot user if you don't have one yet, and copy the API Token
3. export SLACK_TOKEN="your-api-token"
4. `make run` (or `make repl` for local testing)
5. Invite Limbo into any channels you want it in, or just message it in #general. Try typing `!gif dubstep cat` to test it out

llimllib 3:23 PM
whoops forgot parse=full

!gif kitten mittens

slask 3:24 PM ⭐
http://awesomegifs.com/wp-content/uploads/kitten-mittens-always-sunny.gif (2MB)

[PACKT] VIDEO

2. bash

bash   vagrant@vagrant: ~/Mastering...

```
Requirement already satisfied (use --upgrade to upgrade): requests==2.9.1 in /usr/local/lib/python2.7/site-packages (from -r requirements.txt (line 26))
Requirement already satisfied (use --upgrade to upgrade): six==1.10.0 in /usr/local/lib/python2.7/site-packages (from -r requirements.txt (line 27))
Collecting slackrtm==0.2.1 (from -r requirements.txt (line 28))
Requirement already satisfied (use --upgrade to upgrade): tox==2.3.1 in /usr/local/lib/python2.7/site-packages (from -r requirements.txt (line 29))
Requirement already satisfied (use --upgrade to upgrade): vcrpy==1.7.4 in /usr/local/lib/python2.7/site-packages (from -r requirements.txt (line 30))
Requirement already satisfied (use --upgrade to upgrade): virtualenv==14.0.6 in /usr/local/lib/python2.7/site-packages (from -r requirements.txt (line 31))
Requirement already satisfied (use --upgrade to upgrade): websocket-client==0.35.0 in /usr/local/lib/python2.7/site-packages (from -r requirements.txt (line 32))
Requirement already satisfied (use --upgrade to upgrade): wrapt==1.10.6 in /usr/local/lib/python2.7/site-packages (from -r requirements.txt (line 33))
Requirement already satisfied (use --upgrade to upgrade): funcsigs in /usr/local/lib/python2.7/site-packages (from mock==1.3.0->-r requirements.txt (line 16))
Requirement already satisfied (use --upgrade to upgrade): pbr>=0.11 in /usr/local/lib/python2.7/site-packages (from mock==1.3.0->-r requirements.txt (line 16))
Requirement already satisfied (use --upgrade to upgrade): cryptography>=0.7 in /usr/local/lib/python2.7/site-packages (from pyOpenSSL==0.15.1->-r requirements.txt (line 22))
Requirement already satisfied (use --upgrade to upgrade): setuptools>=11.3 in /usr/local/lib/python2.7/site-packages (from cryptography>=0.7->pyOpenSSL==0.15.1->-r requirements.txt (line 22))
Requirement already satisfied (use --upgrade to upgrade): enum34 in /usr/local/lib/python2.7/site-packages (from cryptography>=0.7->pyOpenSSL==0.15.1->-r requirements.txt (line 22))
Requirement already satisfied (use --upgrade to upgrade): ipaddress in /usr/local/lib/python2.7/site-packages (from cryptography>=0.7->pyOpenSSL==0.15.1->-r requirements.txt (line 22))
Requirement already satisfied (use --upgrade to upgrade): idna>=2.0 in /usr/local/lib/python2.7/site-packages (from cryptography>=0.7->pyOpenSSL==0.15.1->-r requirements.txt (line 22))
Requirement already satisfied (use --upgrade to upgrade): cffi>=1.4.1 in /usr/local/lib/python2.7/site-packages (from cryptography>=0.7->pyOpenSSL==0.15.1->-r requirements.txt (line 22))
Requirement already satisfied (use --upgrade to upgrade): pycparser in /usr/local/lib/python2.7/site-packages (from cffi>=1.4.1->cryptography>=0.7->pyOpenSSL==0.15.1->-r requirements.txt (line 22))
Installing collected packages: slackrtm
  Found existing installation: slackrtm 1.0.1
    Uninstalling slackrtm-1.0.1:
      Successfully uninstalled slackrtm-1.0.1
Successfully installed slackrtm-0.2.1
You are using pip version 8.0.2, however version 8.1.2 is available.
You should consider upgrading via the 'pip install --upgrade pip' command.
python setup.py install
```

GitHub – llimllib/limbo: A simp   Bots | Mastering DevOps Slack   # general | Mastering DevOps S

Dave

https://masteringdevops.slack.com/messages/general/

Mastering Dev...
dmangot

CHANNELS (2)
general
random

DIRECT MESSAGES (3)
slackbot
dmangot (you)
wedeming

+ Invite people

#general
2 members   Company-wide announcements and work-based matters

Q Search

DEVOPS

http://pxhst.co/avaxhome/43/a5/0035a543.jpeg (59KB) ▾

[PACKT]
PUBLISHING

Message #general

[PACKT]
VIDEO

2. bash

| bash | vagrant@vagrant: ~/Mastering... |

```
Best match: websocket-client 0.35.0
Adding websocket-client 0.35.0 to easy-install.pth file

Using /usr/local/lib/python2.7/site-packages
Searching for requests==2.9.1
Best match: requests 2.9.1
Adding requests 2.9.1 to easy-install.pth file

Using /usr/local/lib/python2.7/site-packages
Searching for six==1.10.0
Best match: six 1.10.0
Adding six 1.10.0 to easy-install.pth file

Using /usr/local/lib/python2.7/site-packages
Finished processing dependencies for limbo==4.3.1
make clean
rm -rf build dist limbo.egg-info
bin/limbo
2016-09-14 00:00:52,666:INFO:requests.packages.urllib3.connectionpool:Starting new HTTP connection (1): whatthecommit.com
2016-09-14 00:01:00,648:INFO:requests.packages.urllib3.connectionpool:Starting new HTTP connection (1): whatthecommit.com
^CTraceback (most recent call last):
  File "bin/limbo", line 17, in <module>
    main(args)
  File "/usr/local/lib/python2.7/site-packages/limbo-4.3.1-py2.7.egg/limbo/limbo.py", line 284, in main
    loop(server)
  File "/usr/local/lib/python2.7/site-packages/limbo-4.3.1-py2.7.egg/limbo/limbo.py", line 211, in loop
    time.sleep(max(1-runtime, 0))
KeyboardInterrupt
make: *** [run] Error 1

blackmacbook:limbo dave$ ls limbo/plugins/
__init__.py        emoji.py          gif.py           image.py         stock.py          wiki.py
banner.py          emojicodedict.py  github.py        log.py           stockphoto.py     youtube.py
calc.py            flip.py           google.py        map.py           urban.py
commit.py          genesis.py        help.py          mlb.py           weather.py
blackmacbook:limbo dave$ ▊
```

🍎 iTerm Shell Edit View Profiles Toolbelt Window Help   0.0KB/s ● 0.0KB/s ●   ▭ ▭ ⟳   ⌁ 🔊 ◀)) 🔋 Sep 14 12:01 AM Dave Mangot 🔍 ☰

2. vagrant@vagrant: ~/Mastering-DevOps/Section6/Video5 (bash)

bash | vagrant@vagrant: ~/Mastering...

```
    app_hash.hexdigest())

def on_message(msg, server):
    text = msg.get("text", "")
    match = re.findall(r"!(?:deploy) (.*)", text)
    if not match:
        return

    return deploy(match[0])
blackmacbook:Video3 dave$ ls
deploy.py
blackmacbook:Video3 dave$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   deploy.py

no changes added to commit (use "git add" and/or "git commit -a")
blackmacbook:Video3 dave$ git add deploy.py
blackmacbook:Video3 dave$ git commit -m "enhance bot"
[master 399e1ae] enhance bot
 1 file changed, 7 insertions(+), 2 deletions(-)
blackmacbook:Video3 dave$ git push
Warning: Permanently added the RSA host key for IP address '192.30.253.112' to the list of known hosts.
Counting objects: 5, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 510 bytes | 0 bytes/s, done.
Total 5 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To git@github.com:dmangot/Mastering-DevOps.git
   716c38f..399e1ae  master -> master
blackmacbook:Video3 dave$ cp deploy.py ~/work/librato/limbo/plugins
```

bash   vagrant@vagrant: ~/Mastering...

blackmacbook:Video3 dave$ cp deploy.py ~/work/limbo/limbo/plugins/█

Mastering Dev...   #general   Q

                        !hub [-r <repository>] <command> <arguments> is a command line interface to github

                        !image <search term> return a random result from the google image search result for <search term>

                        !map <place> return a map of place. Optional "zoom" and "maptype" parameters are accepted.

                        !mlb <team> will return that team's upcoming games

                        !search <query> will return the top google result for that query (!google is an alias)

                        !stock <sea

                 rch term> return a stock photo for <search term>

                        !urban <term> returns the urban dictionary definition and example of a term

                        !weather <zip or place name> return the 5-day forecast

                        !wiki <topic> returns a wiki link for <topic>

                        !youtube <search term> return the first youtube search result for <search term>

                        $<ticker symbol> for a quote on a stock price

                        Log all messages to the database

                 dmangot
                 !commit

                 wedeming
                 [insert your commit message here. Be sure to make it descriptive.]

                 dmangot
                 !commit

                 wedeming
                 I'll explain this when I'm sober... or revert it

bash | vagrant@vagrant: ~/Mastering...

```
blackmacbook:Video3 dave$ cp deploy.py ~/work/limbo/limbo/plugins/
blackmacbook:Video3 dave$ 
```

#general

!hub [-r <repository>] <command> <arguments> is a command line interface to github

!image <search term> return a random result from the google image search result for <search term>

!map <place> return a map of place. Optional "zoom" and "maptype" parameters are accepted.

!mlb <team> will return that team's upcoming games

!search <query> will return the top google result for that query (!google is an alias)

!stock <sea

rch term> return a stock photo for <search term>

!urban <term> returns the urban dictionary definition and example of a term

!weather <zip or place name> return the 5-day forecast

!wiki <topic> returns a wiki link for <topic>

!youtube <search term> return the first youtube search result for <search term>

$<ticker symbol> for a quote on a stock price

Log all messages to the database

dmangot
!commit

wedeming
[insert your commit message here. Be sure to make it descriptive.]

dmangot
!commit

wedeming
I'll explain this when I'm sober... or revert it

2. bash

bash   vagrant@vagrant: ~/Mastering...

```
Best match: requests 2.9.1
Adding requests 2.9.1 to easy-install.pth file

Using /usr/local/lib/python2.7/site-packages
Searching for six==1.10.0
Best match: six 1.10.0
Adding six 1.10.0 to easy-install.pth file

Using /usr/local/lib/python2.7/site-packages
Finished processing dependencies for limbo==4.3.1
make clean
rm -rf build dist limbo.egg-info
bin/limbo
2016-09-14 00:00:52,666:INFO:requests.packages.urllib3.connectionpool:Starting new HTTP connection (1): whatthecommit.com
2016-09-14 00:01:00,648:INFO:requests.packages.urllib3.connectionpool:Starting new HTTP connection (1): whatthecommit.com
^CTraceback (most recent call last):
  File "bin/limbo", line 17, in <module>
    main(args)
  File "/usr/local/lib/python2.7/site-packages/limbo-4.3.1-py2.7.egg/limbo/limbo.py", line 284, in main
    loop(server)
  File "/usr/local/lib/python2.7/site-packages/limbo-4.3.1-py2.7.egg/limbo/limbo.py", line 211, in loop
    time.sleep(max(1-runtime, 0))
KeyboardInterrupt
make: *** [run] Error 1

blackmacbook:limbo dave$ ls limbo/plugins/
__init__.py        emoji.py           gif.py           image.py          stock.py           wiki.py
banner.py          emojicodedict.py   github.py        log.py            stockphoto.py      youtube.py
calc.py            flip.py            google.py        map.py            urban.py
commit.py          genesis.py         help.py          mlb.py            weather.py
blackmacbook:limbo dave$ ls limbo/plugins/
__init__.py        deploy.py          genesis.py       help.py           mlb.py             weather.py
banner.py          emoji.py           gif.py           image.py          stock.py           wiki.py
calc.py            emojicodedict.py   github.py        log.py            stockphoto.py      youtube.py
commit.py          flip.py            google.py        map.py            urban.py
blackmacbook:limbo dave$
```

2. bash

bash   vagrant@vagrant: ~/Mastering...

```
Best match: requests 2.9.1
Adding requests 2.9.1 to easy-install.pth file

Using /usr/local/lib/python2.7/site-packages
Searching for six==1.10.0
Best match: six 1.10.0
Adding six 1.10.0 to easy-install.pth file

Using /usr/local/lib/python2.7/site-packages
Finished processing dependencies for limbo==4.3.1
make clean
rm -rf build dist limbo.egg-info
bin/limbo
2016-09-14 00:00:52,666:INFO:requests.packages.urllib3.connectionpool:Starting new HTTP connection (1): whatthecommit.com
2016-09-14 00:01:00,648:INFO:requests.packages.urllib3.connectionpool:Starting new HTTP connection (1): whatthecommit.com
^CTraceback (most recent call last):
  File "bin/limbo", line 17, in <module>
    main(args)
  File "/usr/local/lib/python2.7/site-packages/limbo-4.3.1-py2.7.egg/limbo/limbo.py", line 284, in main
    loop(server)
  File "/usr/local/lib/python2.7/site-packages/limbo-4.3.1-py2.7.egg/limbo/limbo.py", line 211, in loop
    time.sleep(max(1-runtime, 0))
KeyboardInterrupt
make: *** [run] Error 1

blackmacbook:limbo dave$ ls limbo/plugins/
__init__.py         emoji.py            gif.py          image.py        stock.py            wiki.py
banner.py           emojicodedict.py    github.py       log.py          stockphoto.py       youtube.py
calc.py             flip.py             google.py       map.py          urban.py
commit.py           genesis.py          help.py         mlb.py          weather.py
blackmacbook:limbo dave$ ls limbo/plugins/
__init__.py         deploy.py           genesis.py      help.py         mlb.py              weather.py
banner.py           emoji.py            gif.py          image.py        stock.py            wiki.py
calc.py             emojicodedict.py    github.py       log.py          stockphoto.py       youtube.py
commit.py           flip.py             google.py       map.py          urban.py
blackmacbook:limbo dave$ make run
```

GitHub – llimllib/limbo: A simp ×   Bots | Mastering DevOps Slack ×   # general | Mastering DevOps S ×   Dave

https://masteringdevops.slack.com/messages/general/

Mastering Dev...
 dmangot

CHANNELS (2)
general
random

DIRECT MESSAGES (3)
 slackbot
 dmangot (you)
 wedeming

+ **Invite people**

#general
2 members | Company-wide announcements and work-based matters

Q Search

dmangot 12:00 AM
!commit

wedeming BOT 12:01 AM
I'll explain this when I'm sober .. or revert it

dmangot 12:03 AM
!help

wedeming BOT 12:03 AM
!banner <text> [--font <font>] [-l] return a banner displaying <text>. Use the -l option to list available fonts
!calc <equation> will return the google calculator result for <equation>
!commit returns a useful commit message
!deploy <app> will deploy that app to production
!emoji <n> will return n random emoji
!flip [alpha,beta,gamma] - flip a coin n times or shuffle a comma separated list
!genesis returns a random sega genesis screenshot
!gif <search term> return a random result from the google gif search result for <search term>
!help [<command>] prints help on all commands if no command given, or a specific command
!hub [-r <repository>] <command> <arguments> is a command line interface to github
!image <search term> return a random result from the google image search result for <search term>
!map <place> return a map of place. Optional "zoom" and "maptype" parameters are accepted.
!mlb <team> will return that team's upcoming games
!search <query> will return the top google result
for that query (!google is an alias)

new messages

+ Message #general

[PACKT]
VIDEO

GitHub – llimllib/limbo: A simp ×   Bots | Mastering DevOps Slack ×   # general | Mastering DevOps S ×   Dave

https://masteringdevops.slack.com/messages/general/

Mastering Dev...
dmangot

#general
2 members   Company-wide announcements and work-based matters

Q Search

CHANNELS (2)

general
random

!flip [alpha,beta,gamma] - flip a coin n times or shuffle a comma separated list
!genesis returns a random sega genesis screenshot
!gif <search term> return a random result from the google gif search result for <search term>
!help [<command>] prints help on all commands if no command given, or a specific command
!hub [-r <repository>] <command> <arguments> is a command line interface to github
!image <search term> return a random result from the google image search result for <search term>
!map <place> return a map of place. Optional "zoom" and "maptype" parameters are accepted.
!mlb <team> will return that team's upcoming games
!search <query> will return the top google result

DIRECT MESSAGES (3)

slackbot
dmangot (you)
wedeming

+ **Invite people**

for that query (!google is an alias)
!stock <search term> return a stock photo for <search term>
!urban <term> returns the urban dictionary definition and example of a term
!weather <zip or place name> return the 5-day forecast
!wiki <topic> returns a wiki link for <topic>
!youtube <search term> return the first youtube search result for <search term>
$<ticker symbol> for a quote on a stock price
Log all messages to the database

dmangot 12:03 AM
!deploy foo

wedeming BOT 12:03 AM
deploying app `foo` with hash `acbd18db4cc2f85cedef654fccc4a4d8` to `production` ip `192.168.50.123`

+   Message #general

[PACKT]
VIDEO

📄 deploy.py — /Users/dave/Google Drive/Mangot.Mastering.DevOps/Mastering-DevOps

deploy.py

```python
1   """!deploy <app> will deploy that app to production"""
2
3   import re
4   import hashlib
5
6   def deploy(app):
7       encoded_app = app.encode()
8       app_hash = hashlib.md5(encoded_app)
9
10      with open('/Users/dave/work/hostlist', 'r') as content_file:
11          content = content_file.read()
12      # sendToGraphite(deploys.production,1)
13      # scp something to AWS
14
15      return "deploying app `{}` with hash `{}` to `production` ip `{}`".format(app,
16              app_hash.hexdigest(), content.rstrip())
17
18
19
20  def on_message(msg, server):
21      text = msg.get("text", "")
22      match = re.findall(r"!(?:deploy) (.*)", text)
23      if not match:
24          return
25
26      return deploy(match[0])
27
```

Next Video

Other Sharing Tools

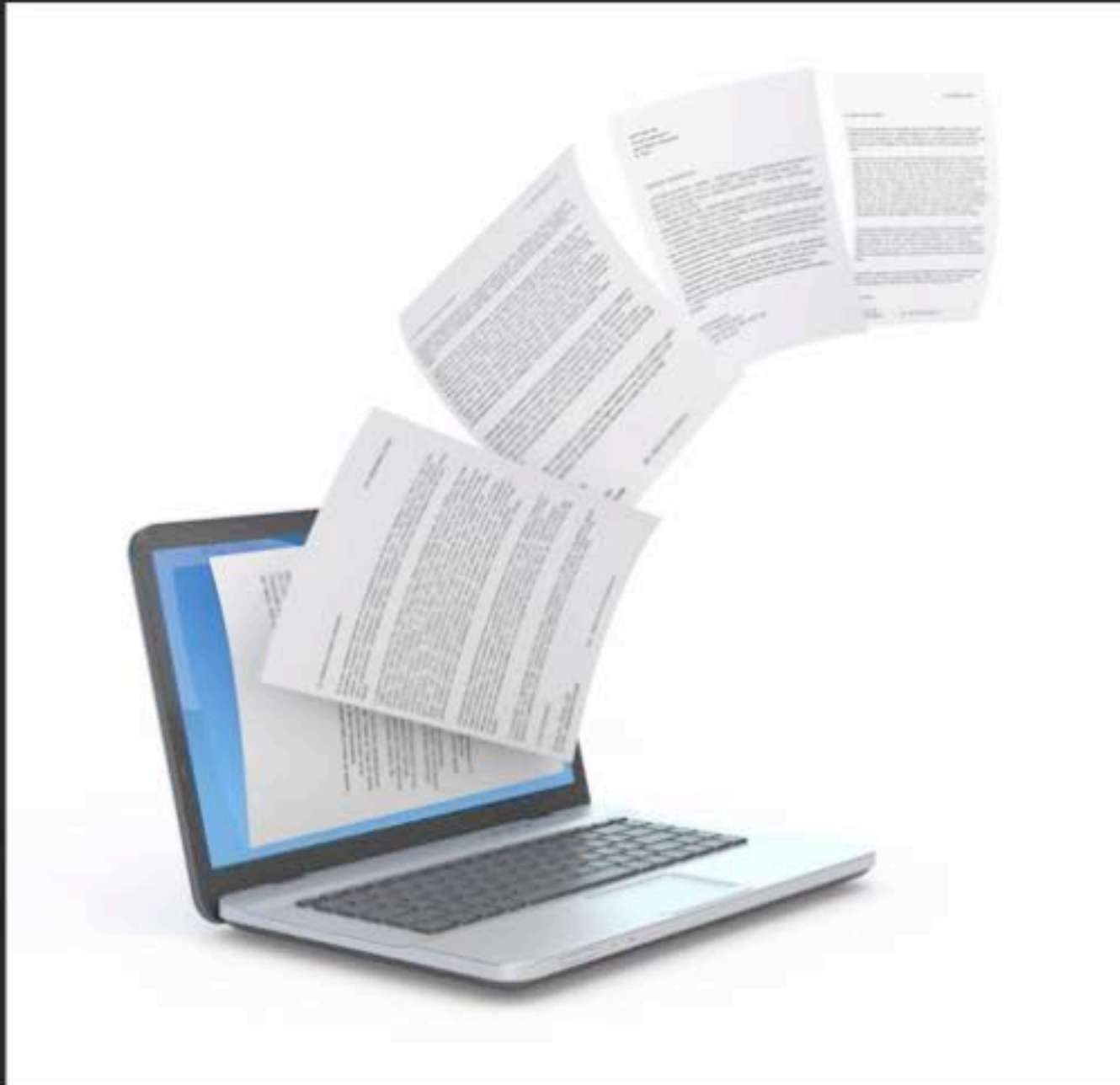# Mastering DevOps

Dave Mangot

Video 7.4

Other Sharing Tools

In this Video, we are going to take a look at...

- Documentation

- Monorepos

- Retrospective artifacts

- Conferences, brown bags, and so on

Documentation

- Part of the development process

- Lives with the code (mostly)

- Lives IN the code

Monorepos

- All code visible to everyone

- Can inspect anything (including docs)

- Use your standard tools (example IDE)

Retrospective Artifacts

Summary

- Agile

- Learned reviews

- Chatbots

- Other sharing tools