

CHATBOTS

FOR FUN AND PROFIT



```
function whoami() {  
  return {  
    name: "Vincent Roy",  
    title: "Senior Software Engineer",  
    company: "Dell EMC",  
    tags: ["lazy", "code", "automation"],  
    site: "https://vroy.ca/",  
    github: "https://github.com/vroy",  
    twitter: "@vroy"  
  };  
}
```

What is a Chatbot?

*A chatbot is a computer program which conducts a conversation via auditory or textual methods. Such programs are **often** designed to convincingly simulate how a human would behave as a conversational partner, thereby passing the Turing test.*

-- <https://en.wikipedia.org/wiki/Chatbot>

The Basics of a Chatbot

- A program - not unlike many others
 - Hear and respond to messages from chat rooms
 - Send rich & timely notifications
-
- More importantly it does work for you

STOP! DEMO TIME!

```
Botkit = require("botkit")
process = require("process")

controller = Botkit.slackbot({
  json_file_store: "/tmp/profit"
})

bot = controller.spawn({
  token: process.env.SLACK_TOKEN
})

bot.startRTM (err, bot, payload) ->
  if err
    throw new Error("Could not connect to Slack")
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controller.hears [/^hello/i, /^hi/], ["direct_message", "mention"],
  (bot, message) ->
    greeting = _.capitalize(message.match[0])

    # Use the Slack API to get information about this user.
    bot.api.users.info { user: message.user }, (err, response) ->
      if err
        return bot.reply(message, "#{greeting} yourself! :wave:")

      bot.reply(message, "#{greeting} #{response.user.profile.first_name}! :wave:")
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```
controller.hears /^make me a (sandwich|soup)/, ["direct_message"],  
  (bot, message) ->  
    food = message.match[1]  
  
    handler = buildFoodMakerConversation(food)  
  
    if food == "sandwich"  
      bot.startConversation(message, handler)  
    else  
      bot.startConversationInThread(message, handler)
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```
buildFoodMakerConversation = (food) ->
  return (err, conversation) ->
    conversation.addQuestion "What? Make your #{food} yourself.", [
      {
        pattern: "sudo make me a (sandwich|soup)",
        callback: (response, convo) ->
          convo.say("Okay. :#{food}:")
          convo.next()
      },
      {
        default: true,
        callback: (response, convo) ->
          convo.next("stop")
      }
    ]
  ]
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VXRACK




Acme Sites ▾
● Matt Kump



⌵1



⌵2



1

⌵3


All Threads

★ STARRED

design-work

events

📁 Cory, Tina, Dio

CHANNELS (39) 

accounting-costs

brainstorming

1

business-ops

culture


🔒 design-chat

marketing

media-and-pr

🔒 sonic-fanfic

triage-issues

DIRECT MESSAGES (24) 

♥ slackbot

● Brandon Velestuk

● Caroline McCarthy

○ Cory Bujnowicz

○ Fayaz Ashraf

● Graham Hicks

📁 Lane, Pavel

○ Mari Ju

● Matt Hodgins

○ Shannon Tinkley

● Terra Spitzner

+

#culture

19 members | [Add a topic](#)



Today



Jackie Ray 12:47 PM

I must decline for secret reasons.



Meredith Brown 12:50 PM

Really need to give some Kudos to [@julie](#) for helping out with the new influx of tweets yesterday. People are really, really excited about yesterday's announcement.



Kiné Camara 12:55 PM

No! It was my pleasure! People are very excited. ⚡



Damien Baker 2:14 PM

What are our policies in regards to pets in the office? I'm assuming it's a no-go, but thought I would ask here just to make sure that was the case.



Horse Blanket Culture Meetings 2:15 PM

Event starting in 15 minutes:

[Culture Weekly Meeting](#)

Today from 2:30 PM to 3:00 PM



Jake Grimes 2:18 PM

shared a post ▾



Building Policies and Procedures

Last edited 2 months ago

SECURITY POLICIES

- All guests and visitors must sign in
- Guests and visitors must be accompanied throughout the office



Damien Baker 2:22 PM

Thanks Jake!



reserve <lab name>:<node>|all:<expected duration in hours>|?>:[jira number]

release <lab name>:<node>|all

reserve <lab name>:<node>|all:<expected duration in hours>|?>:[jira number]

reserve rose:all:?:CP-123

release <lab name>:<node>|all

release rose:all

reserve <lab name>:<node>|all:<expected duration in hours>|?>:[jira number]

reserve rose:sandy,provo:3:NPS-124

release <lab name>:<node>|all

release rose:sandy,provo





Vincent Roy 9:45 AM

!lab release rose



Edwin Jarvis APP 9:45 AM

Booking for `rose` has been released.



Scott Wadden 9:46 AM

!lab book rose note="Finishing up testing transfer failure scenarios"



Edwin Jarvis APP 9:46 AM

rose

CRU/FRU Validation | [wiki](#) | [ui](#)

Last CI Build

Success `ci reinstall rose "release 46"` | [platform-ci #1315](#)

Booked By

scott

When

0s ago (2016-02-10 08:46 EST)

Note

Finishing up testing transfer failure scenarios



Daniel Cox 1:30 PM

!lab status



Edwin Jarvis APP 1:30 PM

Available

almond

blond

indigo

tangerine

topaz

Booked

rose

teal

magnolia

manatee

SYNCHRONOUS





ci BOT 9:23 AM

ci-end-to-end - #85 Started by timer ([Open](#))

ci-end-to-end - #85 Starting... after 3.3 sec and counting ([Open](#))
End-to-end CI - Blond



ci BOT 12:23 PM

ci-end-to-end - #85 Still Failing after 2 hr 59 min ([Open](#))
End-to-end CI - Blond



ci BOT 1:20 PM

ci-end-to-end - #86 Started by timer ([Open](#))

ci-end-to-end - #86 Started by changes from Christopher.Dail (5
file(s) changed) ([Open](#))



ci BOT 4:31 PM ☆

ci-end-to-end - #86 Back to normal after 3 hr 11 min ([Open](#))
End-to-end CI - Blond





Edwin Jarvis BOT 6:49 PM ☆

Resumed `trigger-ci-end-to-end`

Starting `ci-end-to-end: latest`

Build

[ci-end-to-end #801 / logs](#)



Edwin Jarvis BOT 8:47 PM

Failure `ci-end-to-end: latest`

Build

[ci-end-to-end #801 / logs](#)

Duration

1h 57m

Reason: tests failed

[View Full Report](#)

testCreateProjectAndUserByAccountAdminUser_TC4

Timed out after 60 seconds waiting for visibility of Proxy element for:
DefaultElementL...

Starting `ci-end-to-end: latest`

Build

[ci-end-to-end #788 / logs](#)



Edwin Jarvis BOT 8:28 PM

Success `ci-end-to-end: latest`

Build

[ci-end-to-end #788 / logs](#)

Duration

2h 55m

VISIBILITY

Jenkins

lglop102.lss.emc.com:8080/job/platform-ci/build?delay=0sec

Jenkinsplatform-ci

Status

Changes

Workspace

Build with Parameters

Delete Project

Configure

Rebuild Last

Job Config History

Build History

find

#4465

Jun 26, 2016 2:20 AM

1.1.0.0-6367.latest latest [reinstall almond-top]

#4464

Jun 25, 2016 9:23 PM

1.1.0.0-6366.latest latest [reinstall almond-top]

#4463

Jun 25, 2016 7:09 PM

1.1.0.0-6366.latest latest [reinstall almond-top]

#4462

Jun 25, 2016 5:22 PM

1.1.0.0-22.latest-1.1 latest-1.1 [reinstall cream-1]

#4461

Jun 25, 2016 5:08 PM

1.1.0.0-22.latest-1.1 latest-1.1 [reinstall cream-1]

Project platform-ci

This build requires parameters:

command

reinstall

Command to execute. Default reinstall

environment

Environment to use: <https://asdstash.isus.emc.com/projects/UI/repos/platform-ci/browse/environments>

images

stable

Images to use. Default 'latest'. Can be one of the following:

- stable - Use the stable images (Miraz)
- latest - Use the latest images (Miraz)
- stable-1.0 - Use the stable images (release-1.0)
- latest-1.0 - Use the latest images (release-1.0)
- master N | miraz N - Use build N from jenkins on master
- release N | release-1.0 N - Use build N from jenkins on release-1.0 branch

custom_tags

Example: master 172

Specify custom image tags:

bedrock=caspian/bedrock:my-custom-bedrock-tag upgrade=caspian/bedrock:my-custom-upgrade-tag

vars

Add or override inventory variables:



Daniel Cox 5:10 PM
!reinstall almond latest



Edwin Jarvis BOT 5:10 PM

Starting `ci reinstall almond "latest"`

Build

[platform-ci #3991 / logs](#)



Edwin Jarvis BOT 5:48 PM

@daniel.cox:

Success `ci reinstall almond "latest"`

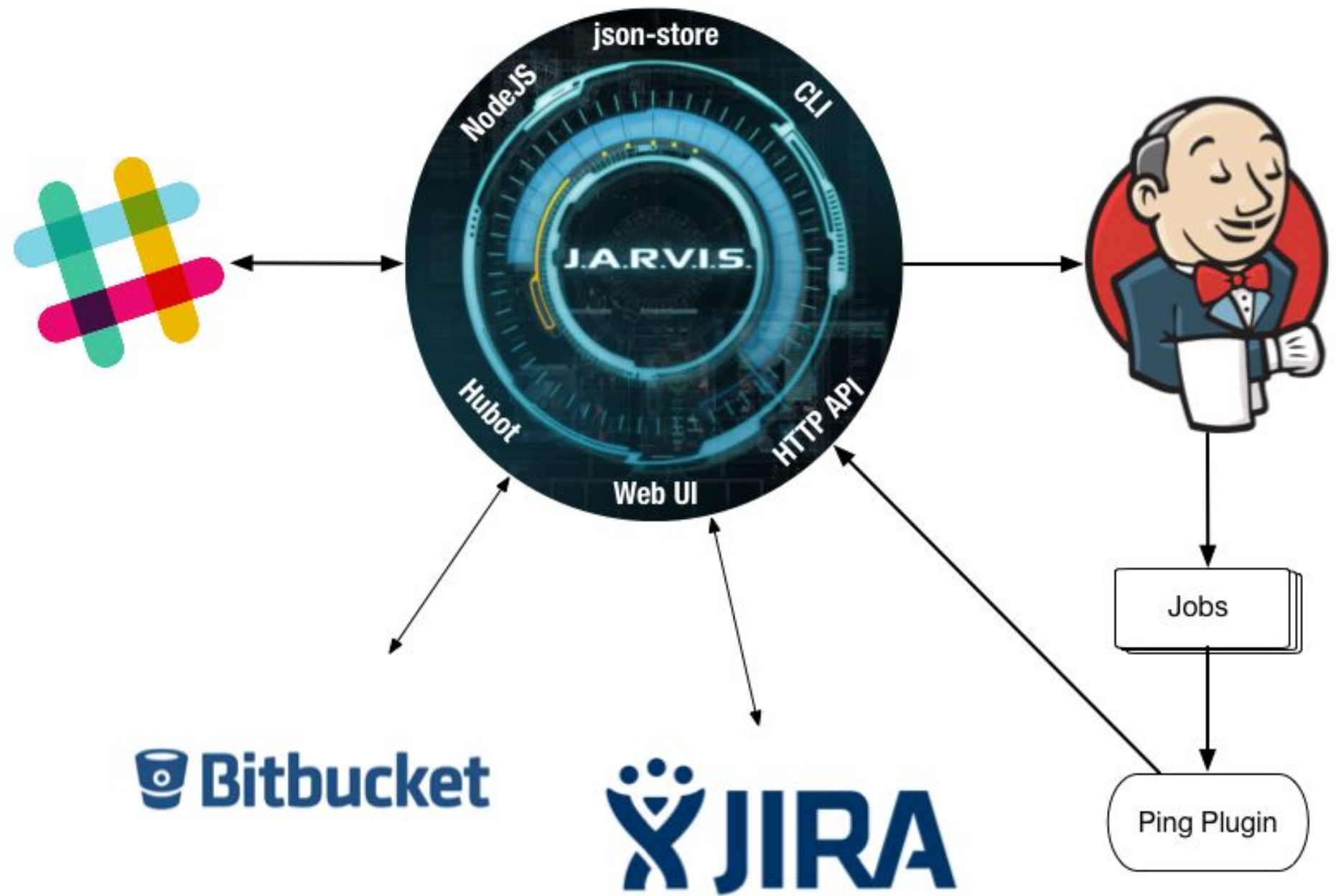
Build

[platform-ci #3991 / logs](#)

Duration

38m 7s

ENABLEMENT



Not Unlike Web Apps

- Web UI
- API
- Persistent database
- Always up to date
- CLI
- ACLs
 - Per username
 - Per ID
 - Per room



Jeremy Pugh 3:36 PM

!ci reinstall arsenic-top latest-1.0



Edwin Jarvis BOT 3:36 PM

`arsenic-top` is currently booked by David Scott. Please use `--force` or make sure the lab is available.



Jeremy Pugh 3:36 PM

jesus

!ci reinstall cream-1 latest-1.0



Edwin Jarvis BOT 3:37 PM

Starting `ci reinstall cream-1 "latest-1.0"`

Build

[platform-ci #3123 / logs](#)



Jeremy Pugh 3:37 PM

saved by jarvis

Discoverability

Edwin Jarvis

Documentation

Clusters

Blog

Dashboard

README

Cluster Rules

Creating Clusters

CLI

Lifecycle

Commands

Hulk



Jarvis



Jenkins



Jira



Lifecycle



Nautilino



cluster create

cluster destroy

cluster destroy-mine

cluster info

cluster list

cluster create

Create a new virtual cluster

Usage

```
(cluster create|cc)
```

Example

```
cluster create --slaves=3 --public-slaves=2
```

Arguments

`--autodeploy`

optional

Automatically trigger recreate-cluster for --branch specified. Note that this only works for the platform branches.

`--autoreload`

optional

Automatically trigger reload for --branch specified. Note that this only works for the platform branches.

`--branch=BRANCH`

optional

Optional name of the branch to deploy. Defaults to master.

`--build=BUILD`

optional

Optional build number of branch when specified. Defaults to lastStableBuild.

Useful Error Messages



Vincent Roy 8:35 PM


cluster crea



Edwin Jarvis APP 8:35 PM

The pattern `cluster crea` is invalid.

Find out what I can do!  <http://lglop122.lss.emc.com:3424>

Did you mean.. 

`(cluster create|cc)`

`(cluster list|cl)` [Show more...](#)



Vincent Roy 8:35 PM

cluster info foobar



Edwin Jarvis APP 8:35 PM

Cluster 'foobar' not found. 

Automatic Build & Deploy

- Easy to run locally.
 - `docker-compose up --build`
- Easy to deploy.
 - `git push origin master`
- Monorepo
 - Chatbot and automation code lives in main repo

Challenges

- Testing
 - Integration
 - Personas
- Corporate Network

IT'S JUST CODE

KAIZEN

KAIZEN

KAIZEN

QUESTIONS?
