


ChatOps: Управление инфраструктурой из чата


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<http://www.devconf.ru>

The background of the slide is a detailed illustration of a pilot in a cockpit. The pilot is wearing a brown flight suit, a helmet with goggles, and large headphones. He has a determined and slightly stressed expression, with his teeth clenched. His right hand is on the steering yoke. The cockpit is filled with various instruments and controls, and the background outside the window shows a blue sky with some clouds.

ChatOps – что это?

The background of the slide is a cartoon illustration. On the left, a character with a large head and a white shirt is holding a yellow mug. On the right, another character with a large head, glasses, and a white shirt is looking towards the first character. The text is overlaid on a dark grey rectangular background in the center.


ChatOps и DevOps: методологии, а не технологии



DevOps:
done means deployed

ChatOps: чат как инструмент



The background of the slide is a photograph of an older man with white hair and a beard, smiling. He is wearing a light blue checkered shirt. The background is slightly blurred, showing a modern interior with a blue lamp and a bookshelf.

Гарольд,
DevOps-инженер

DNC ▾

● Edward Medvedev



CHANNELS (1) (+)

tytbcehacpem



#tytbcehacpem

5 members



🔍 Search



Today



Mr Manager Man 01:04

Гарольд

Гарольд

Гарольд!!11!1

Почему лежит наш прод?

Гарольд?!1!?!?77

Тебя нет в чате уже полдня, почему не работает сервер??77?7?



Harold 01:07

Обновлял убунту

Обновилась!



Mr Manager Man 01:07

...



Harold 01:08

╰(ツ)╯



Slack:

- настройка уведомлений по каналам;
- @channel и @here;
- группы уведомлений (@developers);
- Do not Disturb;
- веб-интерфейс;
- гостевой вход.



Технологии в ChatOps



I HAVE
FOUND
THE
THINGS

The background of the slide is a collage of various colorful app icons, including Google Drive, HipChat, Slack, and others, arranged in a scattered pattern. A semi-transparent dark grey bar is overlaid on the top half of the slide, containing the text "Интеграции".

Интеграции

The background of the slide is a collage of various colorful app icons, including Google Drive, HipChat, Slack, and others, arranged in a scattered pattern. A semi-transparent dark grey bar is overlaid on the middle of the slide, containing the text "HipChat: 150+".

HipChat: 150+

The background of the slide is a collage of various colorful app icons, including Google Drive, HipChat, Slack, and others, arranged in a scattered pattern. A semi-transparent dark grey bar is overlaid on the bottom of the slide, containing the text "Slack: 400+".

Slack: 400+



github BOT 16:39

[StackStorm/st2contrib] Issue created by [makaveli0129](#)

#508 Multiple Vcenter Servers

Is it possible to add multiple Vcenter servers in the config.yaml?



bwc-ci-jenkins-running-on-10-24-39-222 BOT 13:35

BWC-nightly - #19 Started by timer ([Open](#))



jira BOT 22:48

Lakshmi Kannan created Task [STORM-2178](#)

Private key with passphrase and ssh without supplying passphrase shows error message that's confusing.

Priority

Major



Reamaze BOT 17:24

New Conversation from francesco.isabella@accenture.com
(francesco.isabella@accenture.com)

[\[ST2\] StackStorm 30-Day Trial -- your next steps](#)

Hi, there is no valid license key in your email, can you please provide a valid one?

Thanks a lot

Assignee

Unassigned

Channel

Support via Email




Manas Kelshikar 19:16

^ [@phool](#) where do I start looking?



Patrick Hoolboom 19:17

First I'd ask them what the hell they are talking about. Did the email come through blank or are they getting an error when trying to use the key?

The background of the slide is a grayscale image of a large crowd of humanoid robots. The robots have a metallic, silver-colored body with a more human-like face. They are standing in a dense group, filling the frame. The lighting is dramatic, with strong highlights and shadows, giving the scene a futuristic and somewhat ominous feel.

Чат-боты

The background of the slide is a grayscale image of a large group of humanoid robots, similar to the ASIMO robots, standing in formation. They are wearing dark, patterned vests. The robots are arranged in rows, creating a sense of depth and scale.

Lita: Ruby

Err: Python

Hubot: JS / CS

hubot-hear-respond.coffee

[Raw](#)

```
1 module.exports = (robot) ->
2   robot.hear /badger/i, (res) ->
3     res.send "Badgers? BADGERS? WE DON'T NEED NO STINKIN BADGERS"
4
5   robot.respond /open the pod bay doors/i, (res) ->
6     res.reply "I'm afraid I can't let you do that."
7
8   robot.hear /I like pie/i, (res) ->
9     res.emote "makes a freshly baked pie"
```

hubot-example.coffee

[Raw](#)

```
1 robot.respond /have a soda/i, (res) ->
2   # Get number of sodas had (coerced to a number).
3   sodasHad = robot.brain.get('totalSodas') * 1 or 0
4
5   if sodasHad > 4
6     res.reply "I'm too fizzy.."
7
8   else
9     res.reply 'Sure!'
10    robot.brain.set 'totalSodas', sodasHad+1
11
12
13 robot.respond /sleep it off/i, (res) ->
14   robot.brain.set 'totalSodas', 0
15   msg.reply 'zzzzz'
```



James Fryman 01:28

!issue create "tasks should estimate completion based on historical run times"



jira BOT 01:28

James Fryman created Task [STORM-1656](#)

Summary

tasks should estimate completion based on historical run times

Priority

Major



James Fryman 20:45

!issue create "X-Post Slack Link in Jira Comment on Mention"
summary="When any user mentions a Jira ticket in Slack, StackStorm should post a link to the Chat log in Jira to allow quick discussion mapping to tasks" type=Task



st2build002 BOT 18:36

[st2ci.st2_pkg_e2e_test: SUCCEEDED]

COMMIT: PKG_BUILD_URL: <https://circleci.com/gh/StackStorm/st2-packages/963>

COMMITTER: Tomaz Muraus

DIFF: <https://github.com/StackStorm/st2/compare/1c1b93277f60...1fe981b1e158>

CIRCLE: <https://circleci.com/gh/StackStorm/st2/1447>

HOSTNAME: st2-pkg-unstable-u14-e74bd65b14.uswest2.stackstorm.net

DISTRO: UBUNTU14 [Show more...](#)



Edward Medvedev 02:23

Ellie, promote st2mistral 1.3.2-64 to stable



Ancient Psychic Tandem War Elephant BOT 02:23

Ack! Uploading your packages right now. This might take a while, I'm uploading them for every OS. (details available at <https://aptwe/#/history/56e0782d4f66340588132a38/general>)

@emedvedev: I'm done promoting the packages. Here's how it went:

Wheezy: success.

Trusty: success.

Jessie: success.

```
!ec2-find --region=us-east-1 --state running --tags="Environment=test" | table --fields="id,az,state,type,tags"
```



cog BOT 12:44 PM

id	az	state	type	tags
i-a49ff93c	us-east-1a	running	t2.medium	{ Environment: test }
i-a59ff93d	us-east-1a	running	t2.medium	{ Environment: test }
i-da9ff942	us-east-1a	running	t2.medium	{ Environment: test }
i-db9ff943	us-east-1a	running	t2.medium	{ Environment: test }



imbriaco 12:44 PM

Now we're getting somewhere. All that's left is to clean this mess up.

```
!help mist:ec2-destroy
```



cog BOT 12:44 PM

Documentation for `mist:ec2-destroy`

```
mist:ec2-destroy --region=<region> <instance_id>...
```



imbriaco 12:44 PM

```
!ec2-find --region=us-east-1 --state running --tags="Environment=test" | ec2-destroy --region=us-east-1 $id
```



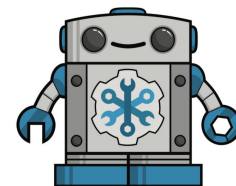
cog BOT 12:44 PM

Terminated instance i-a49ff93c.

Terminated instance i-a59ff93d.

Terminated instance i-da9ff942.

Terminated instance i-db9ff943.

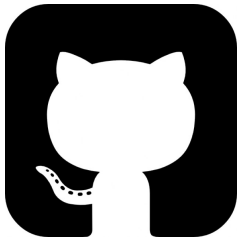


COG

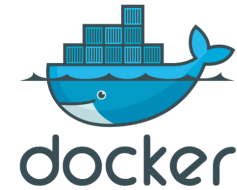


StackStorm

if



then





Edward Medvedev 17:12

Ellie, new ubuntu vm build-nginx for testing nginx settings on build servers with st2_build role



Ancient Psychic Tandem War Elephant BOT 17:12

Creating a new VM for you! It should be ready in ~10-15 minutes.



Ancient Psychic Tandem War Elephant BOT 17:24

@emedvedev: your VM is ready! You can now log in, all of the Stormers' accounts and keys are already there. Welcome!

Hostname: build-nginx.uswest2.stackstorm.net.

Instance type: `t2.medium`.

Purpose: testing nginx settings on build servers.

Puppet role: st2_build.

```
ssh build-nginx.uswest2.stackstorm.net
```

 action-meta.yaml

Raw

```
1  ---
2  name: "create_vm_role"
3  runner_type: "action-chain"
4  description: "Create a VM, add DNS, bootstrap puppet"
5  enabled: true
6  entry_point: "workflows/create_vm_role.yaml"
7  parameters:
8    hostname:
9      type: "string"
10     description: "Short hostname"
11     required: true
12   role:
13     type: "string"
14     description: "Role to use during puppet apply"
15     default: "default"
16   instance_type:
17     type: "string"
18     description: "Flavor of to use for instance creation"
19     default: "t2.medium"
20   environment:
21     type: "string"
22     description: "Environment to deploy to"
23     default: "staging"
24     enum:
25       - "production"
26       - "staging"
27       - "sandbox"
28  [...]
```

 action-chain.yaml

Raw

```
1  ---
2  chain:
3  [...]
4  -
5    name: "run_instance"
6    ref: "aws.ec2_run_instances"
7    params:
8      image_id: "{{get_ami.result}}"
9      instance_type: "{{instance_type}}"
10     subnet_id: "{{get_subnet_id.result}}"
11     key_name: "{{key_name}}"
12    publish:
13      ec2_instance_id: "{{run_instance.result[0].id}}"
14      ec2_instance_private_ip: "{{run_instance.result[0].private_ip_address}}"
15      ec2_instance_private_dns: "{{run_instance.result[0].private_dns_name}}"
16    on-success: "wait_for_instance"
17  [...]
18  -
19    name: "add_tags"
20    ref: "aws.ec2_create_tags"
21    params:
22      resource_ids: "{{ec2_instance_id}}"
23      tags: "Name={{hostname}},Creator={{creator}},Role={{role}}{% if purpose %},Purpose={{purpose[0]|upper}}{{purpose[1:]}}"
24    on-success: "add_cname"
25  [...]
26  -
27    name: "puppet_bootstrap"
28    ref: "st2cd.puppet_bootstrap"
29    params:
30      hosts: "{{ec2_instance_private_ip}}"
31      role: "{{role}}"
```

[action-alias.yaml](#)
[Raw](#)

```

1  ---
2  name: "createvm"
3  pack: "st2cd"
4  action_ref: "st2cd.create_vm_role"
5  formats:
6    - display: "new [type] <ubuntu|centos6|centos7> vm <hostname> for <purpose> [with <role> role]"
7      representation:
8        - "(create |spin up )?(an? )?(new )?({{instance_type=t2.medium}} )?{{ distro }} (vm|box) {{ hostname }} for {{ purpose }}"
9  ack:
10   format: "Creating a new VM for you! It should be ready in ~10-15 minutes."
11   append_url: false
12  result:
13   format: |
14     {% if execution.status == 'succeeded' -%}
15     your VM is ready! You can now log in, all of the Stormers' accounts and keys are already there. Welcome!{{~}}
16     Hostname: {{ execution.parameters.hostname }}.
17     {%- if 'dns_zone' in execution.parameters -%}
18       {{ execution.parameters.dns_zone }}
19     {%- else -%}
20       {{ execution.action.parameters.dns_zone.default }}
21     {%- endif -%}.
22     Instance type: `{{execution.parameters.instance_type}}`.
23     Purpose: {{ execution.parameters.purpose }}.
24     Puppet role: {{ execution.parameters.role }}.
25     ``ssh {{ execution.parameters.hostname }}.{{ execution.parameters.dns_zone }}``
26     {%- else -%}
27     something went wrong during VM creation! Please check the execution data:{{~}}
28     {{ execution }}
29     {%- endif %}
30  description: "Spin up a clean VM"

```



StackStorm

Slack: <https://slack.com/>

Slack App Directory: <https://slack.com/apps>

HipChat: <https://hipchat.com/>

HipChat Integrations: <https://hipchat.com/integrations>

Hubot: <https://hubot.github.com/>

Lita: <https://lita.io/>

Err: <http://errbot.io/en/latest>

Cog: <https://operable.io/>

StackStorm: <https://stackstorm.org/>

ChatOps at GitHub, Jesse Newland: <https://youtu.be/NST3u-GjjFw>

ChatOps for Dummies, Jason Hand: <https://goo.gl/RZF6Ue>

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