



ST2 Community Update

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Agenda

- Roadmap: 2.8, 2.9, 3.0
- Web UI updates
- K8s/HA plans
- OS Support plans – Ubuntu 18.04, RHEL 8.x
- Orchestra

StackStorm Roadmap

2.8 – June

Orchestra Beta
Web UI: New look
Metrics Framework
Python 3
Vagrantbox
K8s HA

2.9 – August

Web UI – Streaming
Web UI – inquiries
Ubuntu 18.04 support
ChatOps – Microsoft
Teams
Output Metadata

3.0 – October

Orchestra GA
ChatOps RBAC
SAML/OAUTH
HA + scale improvements

Trigger Types

Filter

CORE

EXAMPLES

echoflasksensor
Echo flask sensor.

event
An example trigger.

fibonacci
A fibonacci trigger.

polling_event
An example trigger.

sample_trigger
Sample trigger

LINUX

file_watch_line
Trigger which indicates a new line has been detected

core.st2.CronTimer

Triggers whenever current time matches the specified time constraints like a UNIX cron scheduler.

GENERAL

CODE

No Sensor

PARAMETERS

description

Triggers whenever current time matches the specified time constraints like a UNIX cron scheduler.

name

st2.CronTimer

▼ Packs

Filter



chatops
ChatOps integration pack 1.0.0

core
Basic core actions. 1.0.0

default
Default pack where all resources created using the API with no pack sp... 1.0.0

examples
Example sensors, triggers, actions and rules. 0.2.1

linux
Generic Linux actions 1.0.1

packs
Pack management functionality. 1.0.0

▼ AVAILABLE

acos
StackStorm pack for ACOS-based appliances of A10 Networks. 0.2.4

activecampaign
Integration with ActiveCampaign 0.3.2

activedirectory
StackStorm integration pack for working with Microsoft Active Directory. 0.1.2

packs

Pack management functionality.

Remove

Version 1.0.0

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actions: 14

aliases: 4

CONFIG

http_proxy

URL to http proxy. E.g. <http://192.168.1.13:8080>

https_proxy

URL to https proxy. E.g. <https://192.168.13:8080> Note that HTTPS proxying requires valid certificates in client to talk to proxy.

no_proxy

Rules Filter 🔍

- CHATOPS
 - notify** Notification rule to send results of action executions to stream for chatops. 🟢
- EXAMPLES
 - notify_inquiry Notify relevant users of an Inquiry action. 🔴
 - notify_slack Sample rule firing on action completion. 🟢
 - sample_rule_file_watch Sample rule custom trigger type - add a file to be watched by file_watch... 🟢
 - sample_rule_with_actiontrigger Sample rule firing on action completion. 🟢
 - sample_rule_with_timer Sample rule using an Interval Timer. 🔴
 - sample_rule_with_webhook Sample rule dumping webhook payload to a file. 🟢



chatops.notify 🟢

Notification rule to send results of action executions to stream for chatops

GENERAL CODE

Enabled Edit Delete

IF core.st2.generic.notifytrigger Notification trigger. THEN chatops.post_result Post an execution result to stream.

TRIGGER [core.st2.generic.notifytrigger](#)

ACTION [chatops.post_result](#)

```
skip_notify []
channel      {{trigger.data.source_channel}}
whisper     no
display_published yes
user        {{trigger.data.user}}
execution_id {{trigger.execution_id}}
```

RULE pack [chatops](#)

CRITERIA trigger.route EQUALS hubot

Actions

Filter 🔍 👁

> CHATOPS

▼ CORE

announcement
Action that broadcasts the announcement to all stream ... announcement

ask
Action for initiating an Inquiry (usually in a workflow) **inquirer**

http
Action that performs an http request. http-request

local
Action that executes an arbitrary Linux command on the... local-shell-cmd

local_sudo
Action that executes an arbitrary Linux command on the... local-shell-cmd

noop
Action that does nothing noop

pause
Action to pause current thread of workflow/sub-workflow. python-script 

core.ask

Action for initiating an Inquiry (usually in a workflow)

GENERAL

CODE

EXECUTIONS

Run [Preview](#)

PARAMETERS

schema *

0

A JSON schema that will be used to validate the response data

ttl *

1440

Time (in minutes) to wait before timing out the inquiry if no response is received

roles

A list of roles that are permitted to respond to the action (if nothing provided, all are permitted) - **REQUIRES ENTERPRISE FEATURES**

```
~ thill$ TAG=dev docker-compose -d up
```




kubernetes

K8s + HA

Step 1: HA Blueprint

Reference k8s/HA implementation

Step 2: Scale Testing

Where's the bottlenecks?

Step 3: Iterate & Improve

Fix the bottleneck, test again, find the next one...

OS Support Plans

- **Ubuntu**

- 18.04LTS support is coming! (2.9)
- 14.04LTS support will end April 2019

- Plan to upgrade from u14...

- **RHEL/CentOS**

- Waiting on Red Hat for RHEL 8. 2018 or 2019?
- Once RHEL 8 is released, RHEL 6.x support will be deprecated
- Future is RHEL 7.x + 8.x

**Still using U14 or RHEL 6.x?
Begin planning your upgrades now**

Orchestra – new workflow engine



What

- ST2 native workflow engine
- All of Mistral functionality, and more

Mode 1



Mode 2



Why

- Faster development
- Simplified deployment
– no PostgreSQL
- Unicode support



When

- First Beta in 2.8 (June)
- Second Beta in 2.9 (August)
- GA in 3.0 (October)