



# ST2 Community Update

*May 2018*

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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

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## 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
<b>packs</b> 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
Author	StackStorm, Inc.
Email	<a href="mailto:info@stackstorm.com">info@stackstorm.com</a>

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

- CHATOPS
  - notify** Notification rule to send results of action executions to stream for chato...
- 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 strea...

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)