

Firehose: a Unified Message Bus for Infra Services

Matthew Treinish
mtreinish@kortar.org
mtreinish on Freenode

Jeremy Stanley
fungi@yuggoth.org
fungi on Freenode

October 25, 2016

<https://github.com/mtreinish/firehose>

OpenStack Infrastructure

A big complicated diagram

Firehose

- ▶ An infra run MQTT broker
- ▶ Has public readonly access via MQTT and MQTT over Websockets on Port 80
- ▶

MQTT

Services Using the Firehose

Service	Base Topic	Source of Messages
Gerrit	gerrit	germqtt
Launchpad	launchpad	lpmqtt

Future Plans

- ▶ Zuul Subscriber Support to gerrit
- ▶ Add additional publishers:
 - ▶ Ansible
 - ▶ Nodepool
 - ▶ Logstash

Where to get more information

- ▶ openstack-infra ML openstack-infra@lists.openstack.org
- ▶ #openstack-infra on Freenode
- ▶ <http://docs.openstack.org/infra/system-config/firehose.html>