Fluentd

Prerequisites

Custom Docker Image

- The **Docker** image we use for `fluentd` is stored in a private Amazon's Container Registry. This is needed because a custom image with plugin(s) (`elasticsearch` / `beats`) is required.
- The registry interface will give the commands needed to build/tag/push the image. Or use these commands to build and push it (example):

```
eval $(aws ecr get-login --no-include-email --region us-east-2) && \
docker build -t chipper/fluentd ./server/k8s/helm/fluentd/docker-image-files/ && \
docker tag chipper/fluentd:latest 980131763484.dkr.ecr.us-east-2.amazonaws.com/chip
docker push 980131763484.dkr.ecr.us-east-2.amazonaws.com/chipper/fluentd:latest
```

Install / Upgrade / Delete

Install

```
helm --debug install --namespace client --name fluentd ./server/k8s/helm/fluentd/
```

Confirm proper config/keys with:

```
kubectl -n client exec -ti NAME_OF_POD -- sh -c 'cat /fluentd/etc/*'
```

Get the `EXTERNAL-IP` for `fluentd`'s `LoadBalancer`:

```
kubectl get service fluentd -n client -o wide
```

Upgrade

```
helm --debug upgrade --namespace client fluentd './server/k8s/helm/fluentd/'
```

Delete (DANGER)

```
helm del --purge fluentd
```

Useful Commands

Force buffer flush

- https://docs.fluentd.org/v1.0/articles/signals

```
kubectl -n client exec -ti <NAME_OF_POD> -- sh -c 'kill -10 1'
```