

# TF DDF 2019: Running Production applications with TF

## Date

18 Nov 2019

## Minutes

- Fawad Shaikh, Sr Solutions Architect at Juniper
- Deploying TF on k8s with Helm
  - Example of how IBM rolled it out for their IBM Cloud Private (ICP)
- Basic overview of TF with k8s
- ICP
  - Currently use Calico by default as the CNI in the ICP
  - Some customers wanted namespace isolation and analytics enter TF
  - TF integration with ICP went surprisingly smoothly
  - Their private cloud market is growing because of compliance, security, support, and services
    - Step toward hybrid and multi cloud
- ICP heavily relies on Helm to manage k8s or things that run on k8s
  - So you need Helm up and running to get the apps up & running do on host network so you don't have to wait for CNI
  - After that, use Helm to bring up the CNI, followed by platform tools (databases, logging, etc), then apps
- Use cases of what they were trying to achieve
  - Control and security for k8s is painful
  - Using the tags for TF makes things a lot better
  - Can isolate pods to segment & have better security
  - Reuse of policies was very useful
- Demo time!
  - Video already on the TF YouTube channel:
  - The CNI comes up in 1 minute (and it's only that slow because it has to get the Docker containers)



tf-ddf-2019-depl...k8s\_via\_helm.pdf

## Action items

