KARIM BOUMEDHEL

USE KCLI WITH ALL YOUR VIRTUALIZATION SOLUTIONS!
ABOUT ME

- Senior software engineer at Red Hat working on KubeVirt
- Things i like
AGENDA

- About focus and automation
- What is kcli?
- Additional facts
- Demo time
- Recap
- Questions
ABOUT FOCUS AND AUTOMATION

- It's more and more complicated to focus
- Find the right balance
- Automate the boring parts
- Focus on what's relevant
WHAT IS KCLI?

- Client tool meant to interact with virtualization providers
- Easily manage vms from command line the same way on all those platforms
- Use plan files to declare vms or other objects and share them with repos and products
- Jinja support
- Handle containers
- Plan files for deploying k8s, Openshift, KubeVirt, oVirt,...
- Web interface
ADDITIONAL FACTS

- Deploys as container or rpm/deb (only Libvirt dependencies)
- Ecosystem:
  - Ansible modules
  - Dynamic inventory
  - K8s custom controller
- Main roadmap: Adding new providers
- Weaknesses:
  - Documentation?
  - Unit tests
  - Logo
- Bootstrapping
- A vm everywhere
- Using profiles
- Using plans
- Deploying KubeVirt and Openshift with products
- Kweb
- Ansible integration
- Automate the boring stuff
- Kcli helps in automating the infrastructure for you
QUESTIONS?

- https://github.com/karmab/kcli
- https://kcli.readthedocs.io
- https://asciinema.org/~karim
THANKS FOR ATTENDING