

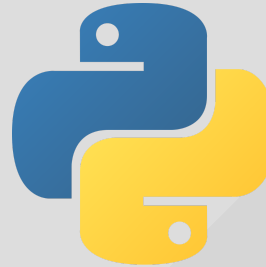
KARIM BOUMEDHEL

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





DEMO TIME

- Bootstrapping
- A vm everywhere
- Using profiles
- Using plans
- Deploying KubeVirt and Openshift with products
- Kweb
- Ansible integration



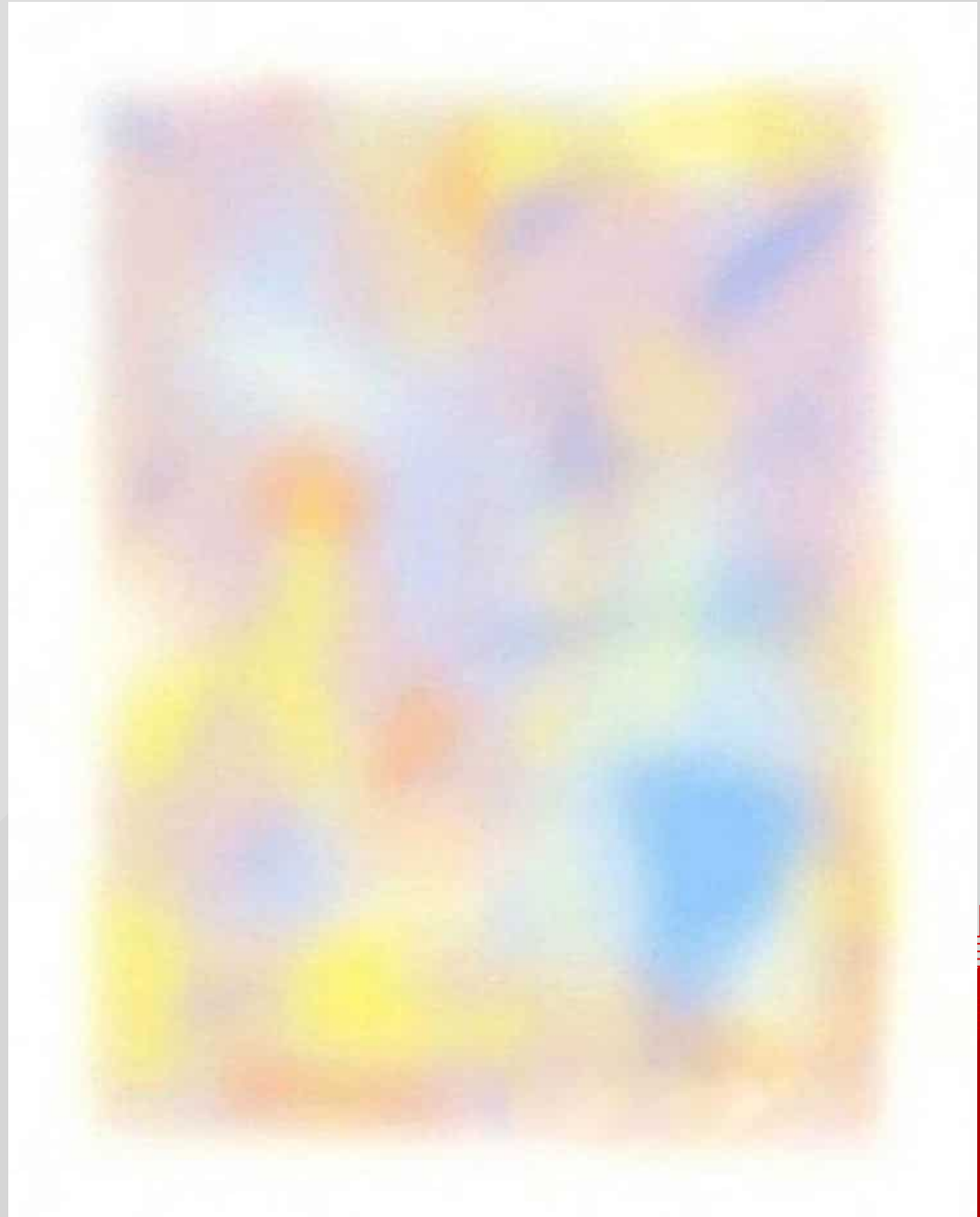
RECAP

- 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