



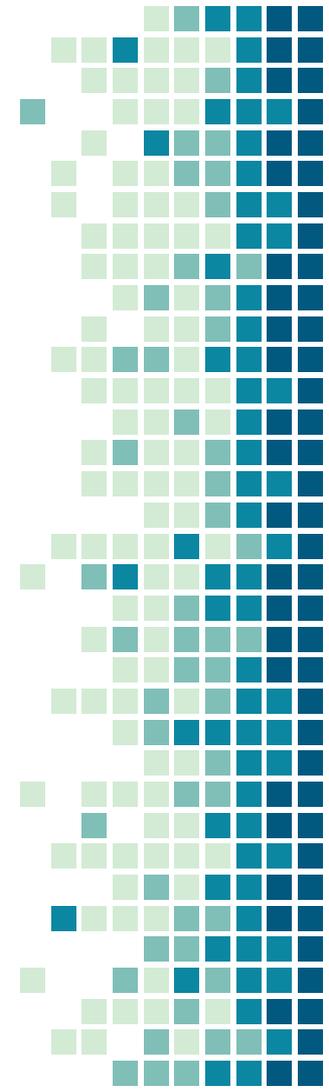
My Home(lab) away from home

An update to my personal infrastructure

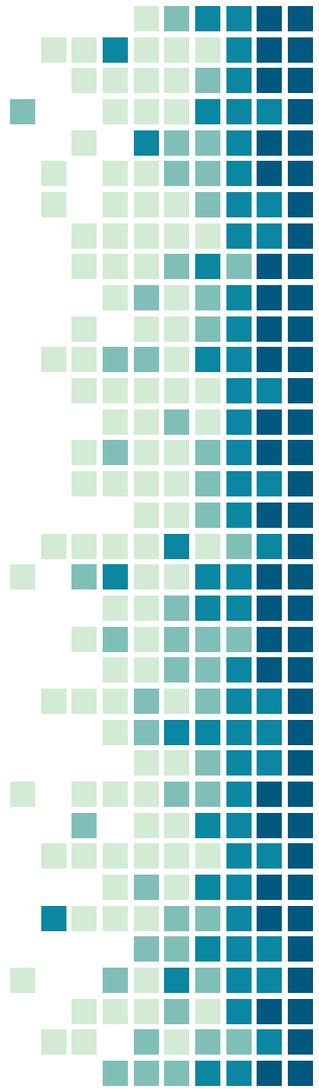
Jeff Moore

TL;DR

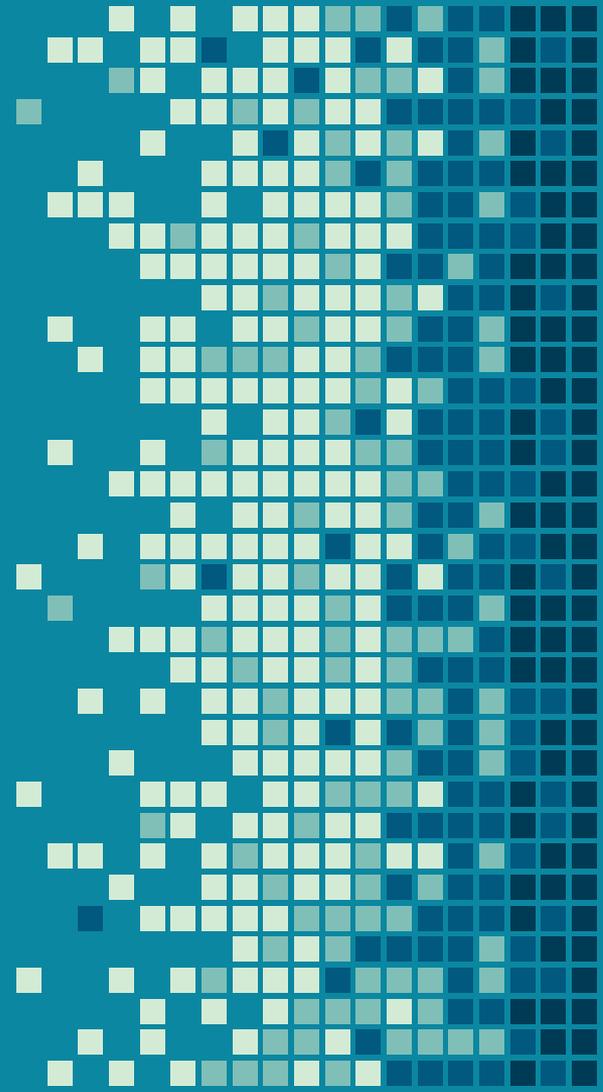
- Moved from home lab to hosted compute
- Automated things



Is this really a homelab talk?

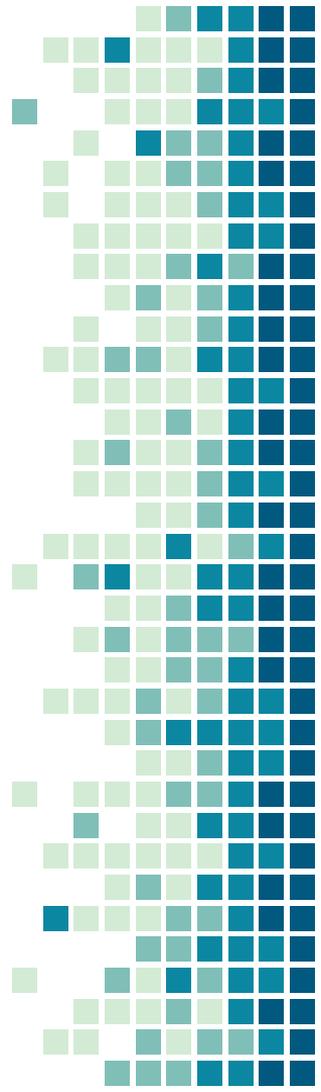


“ Some say home is where
the heart is. I say home is
where the data is” - Me,
just now



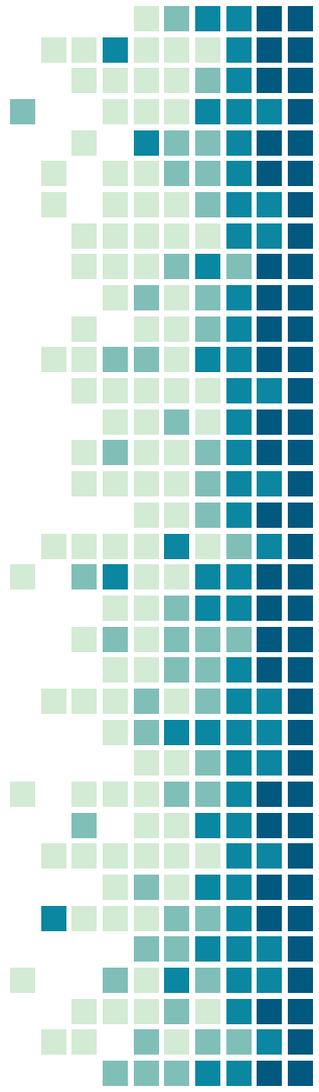
Motivation for Change

- Lack of ability to do dev work
- Infrastructure stability
- Time investment for maintainability



Buzzwords

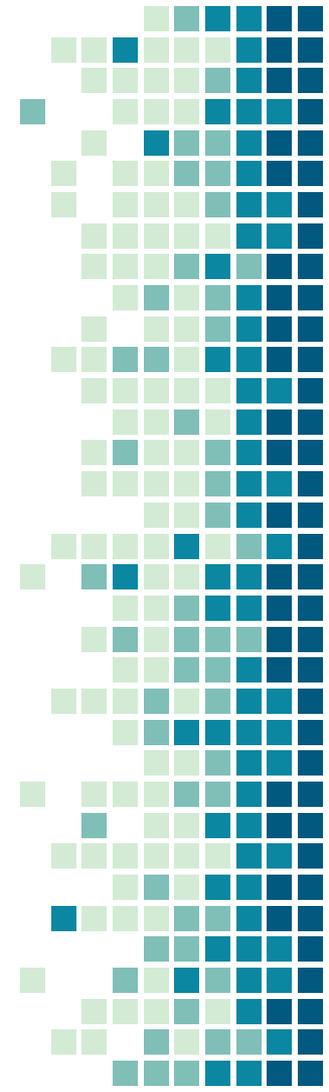
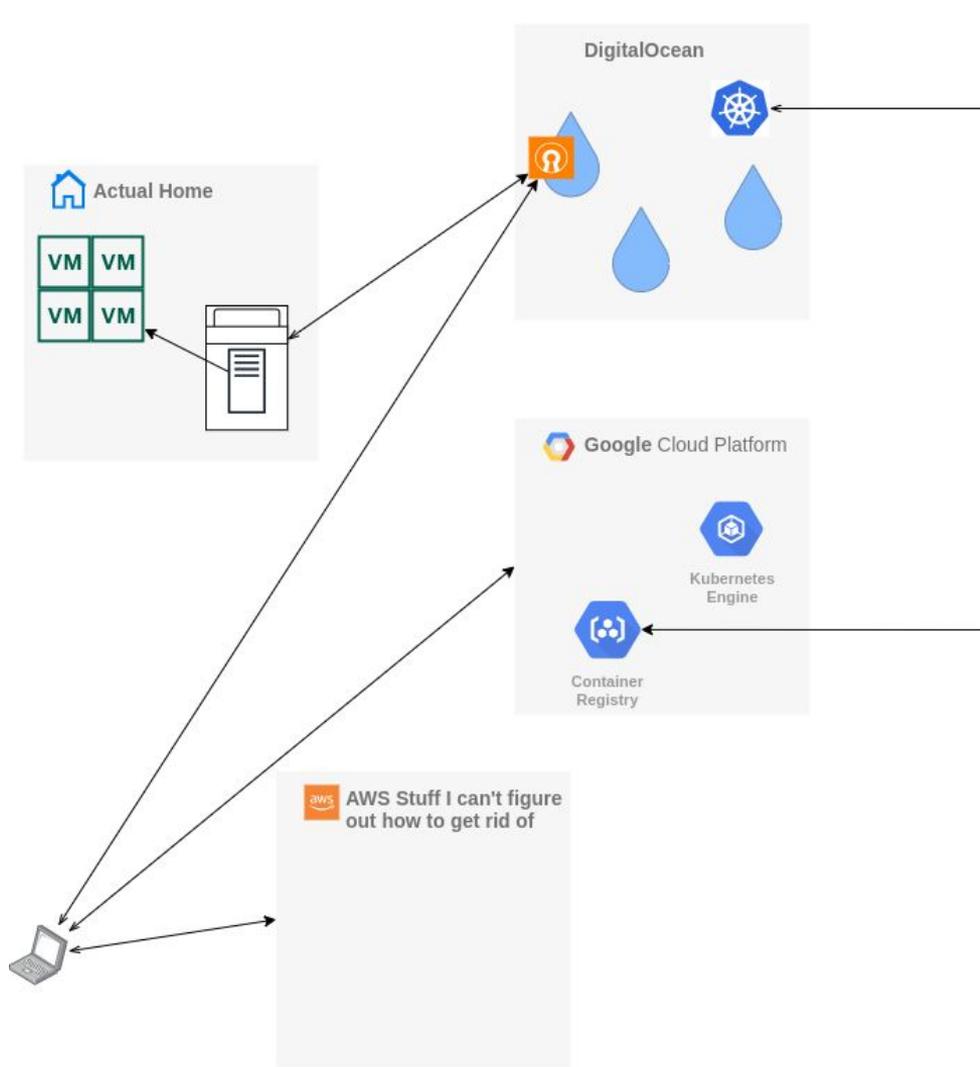
Packer
FreeIPA
Cloud
ElasticStack
Ansible
Automation
Kanban IdentityMangement
Kubernetes
Cloudflare
Terraform
VMWare



An Ode to Prometheus (not the fancy metrics thing)

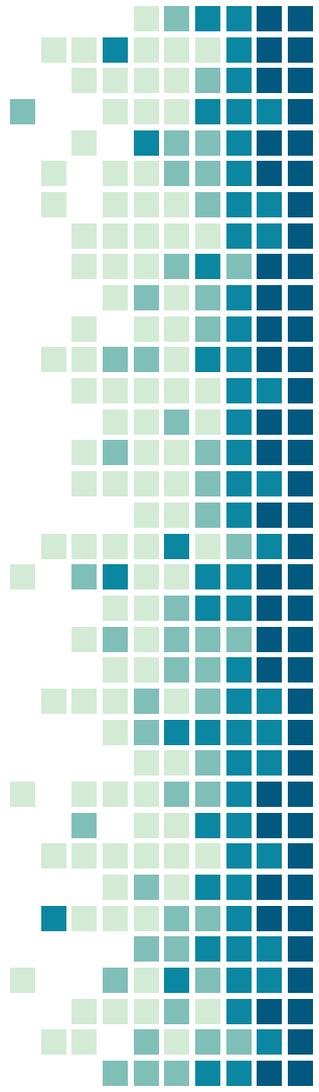


Before



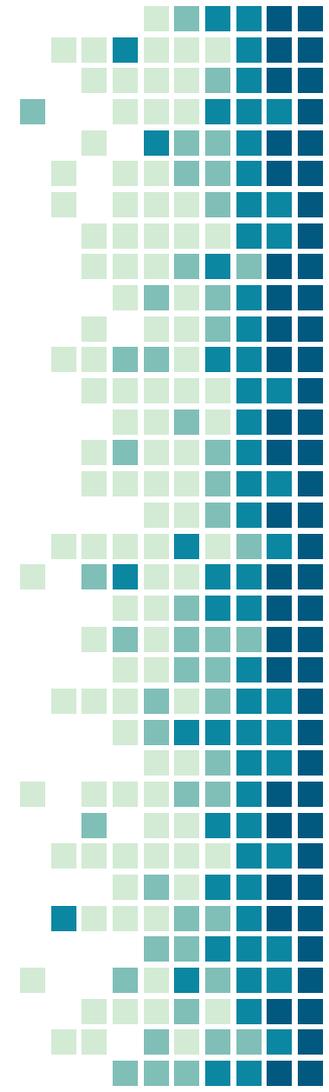
Flaws

- Wide cost spread
- Paying for compute due to downtime of actual homelab
- Time to deliver new service was high

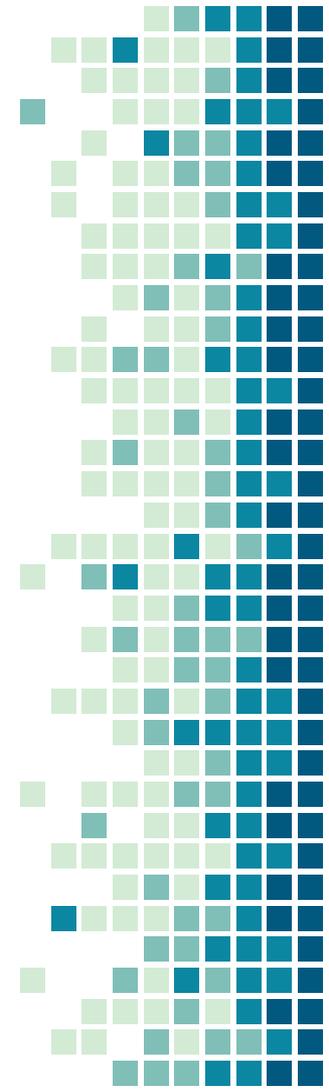
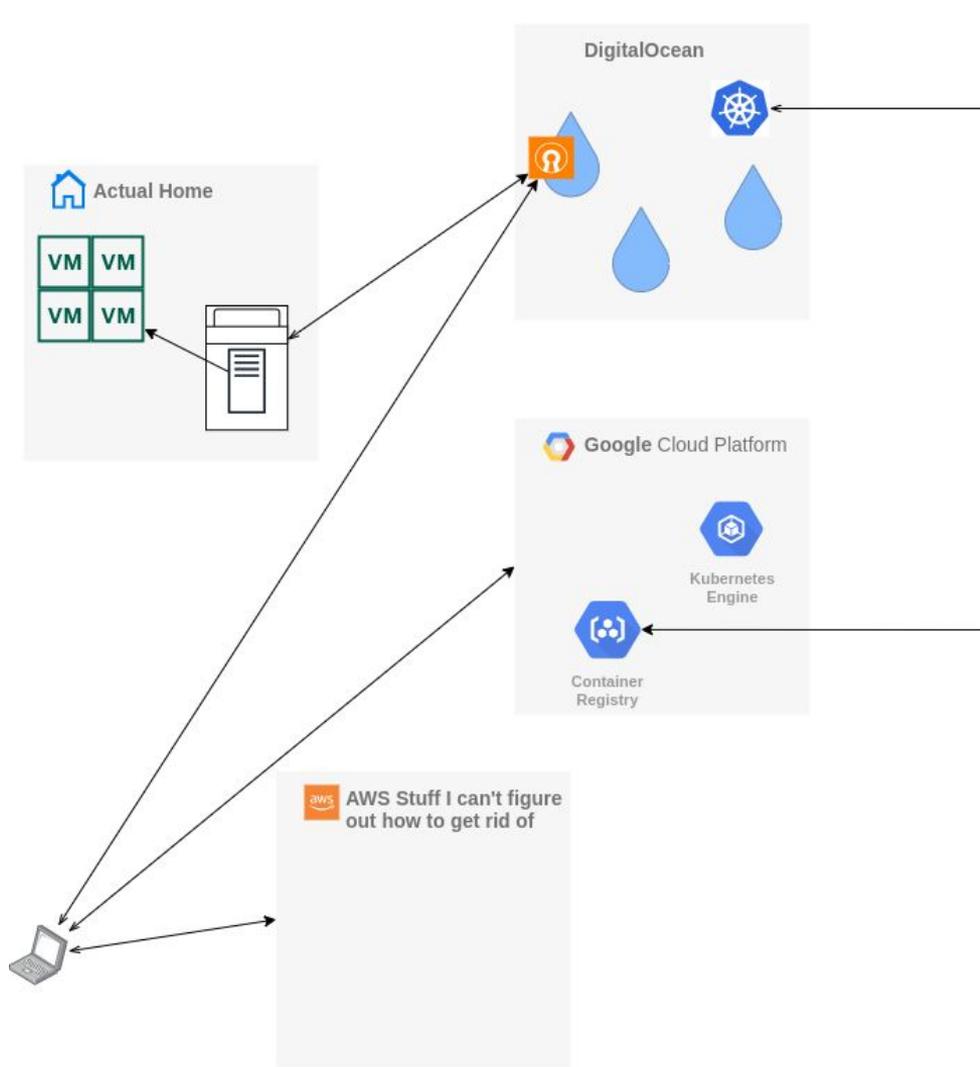


Benefits

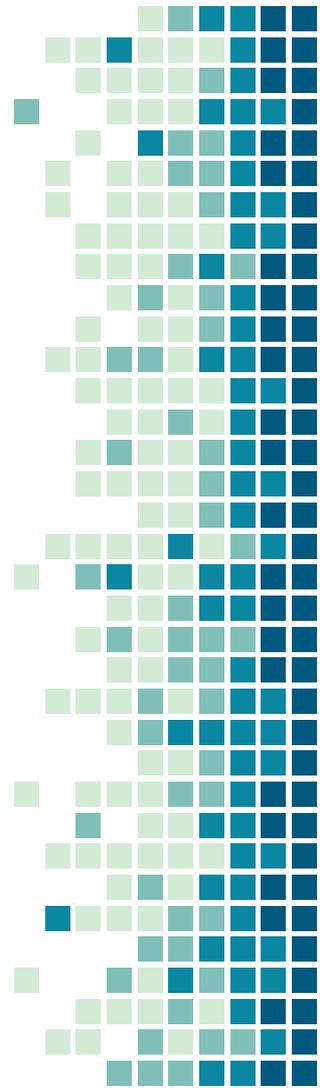
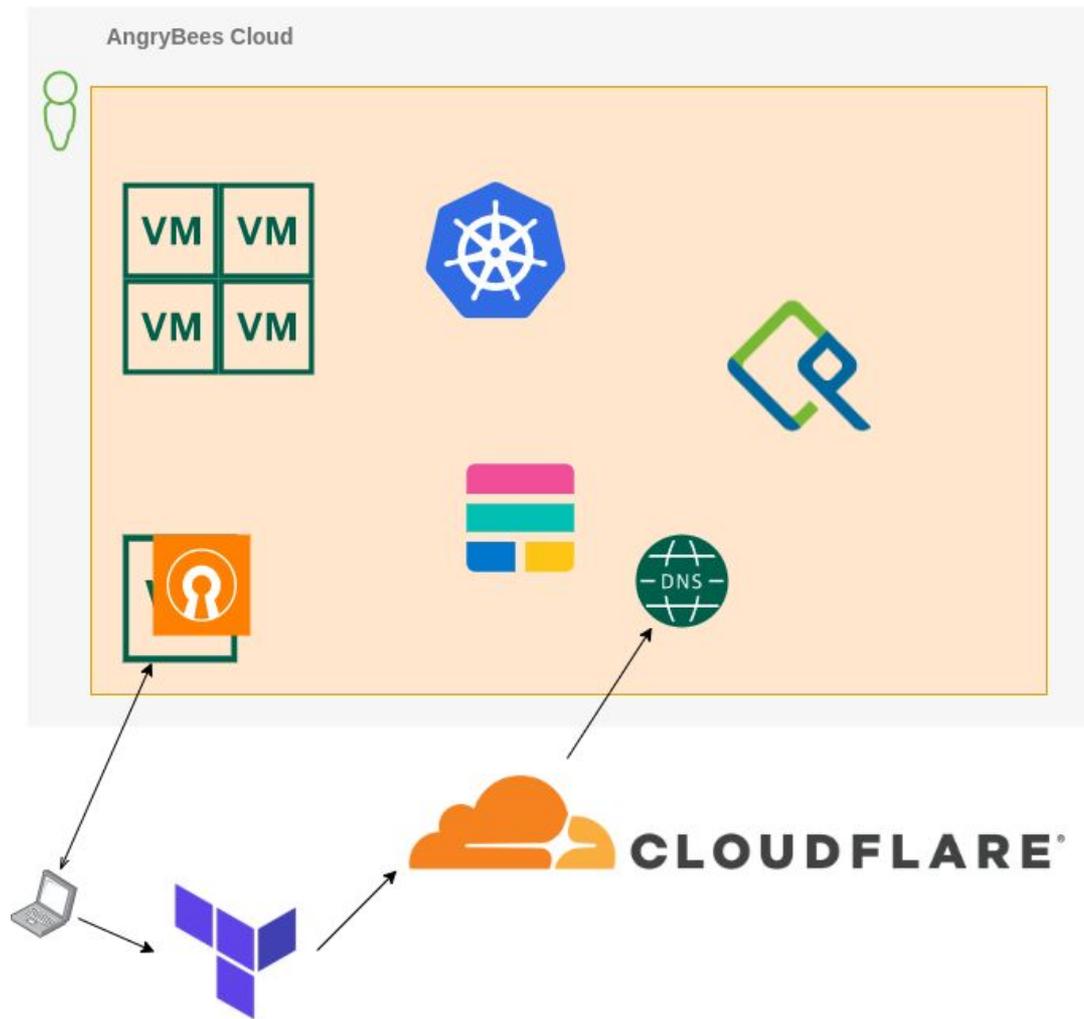
- On demand scaling in the cloud
- More RAM than I could ever use on-prem
- Familiar OS for virtualization on-prem



Before

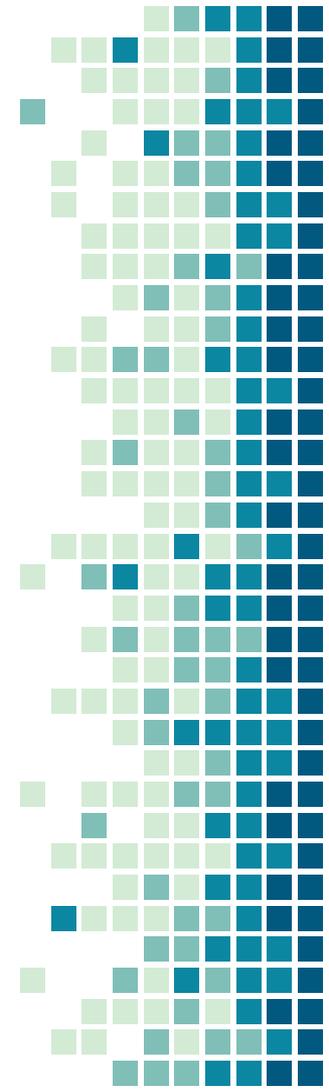


After



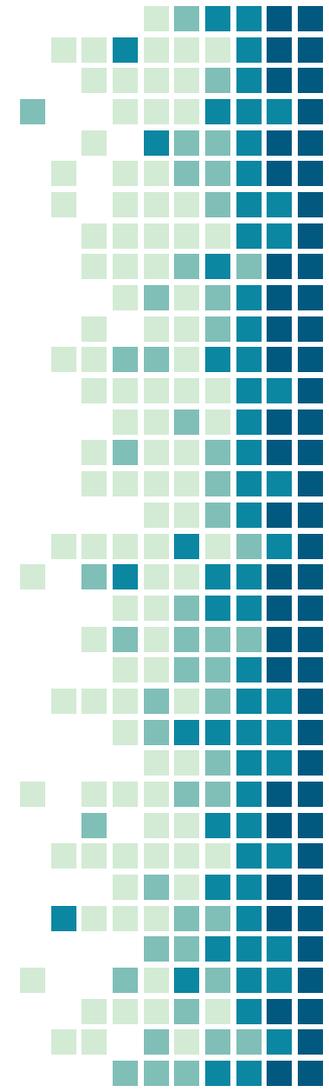
Flaws

- More expensive with low utilization
- VMWare has a high learning curve
- Some issues with minor features

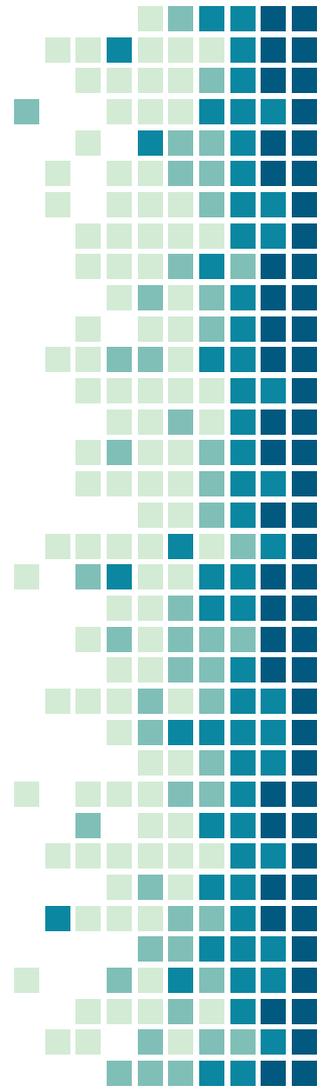
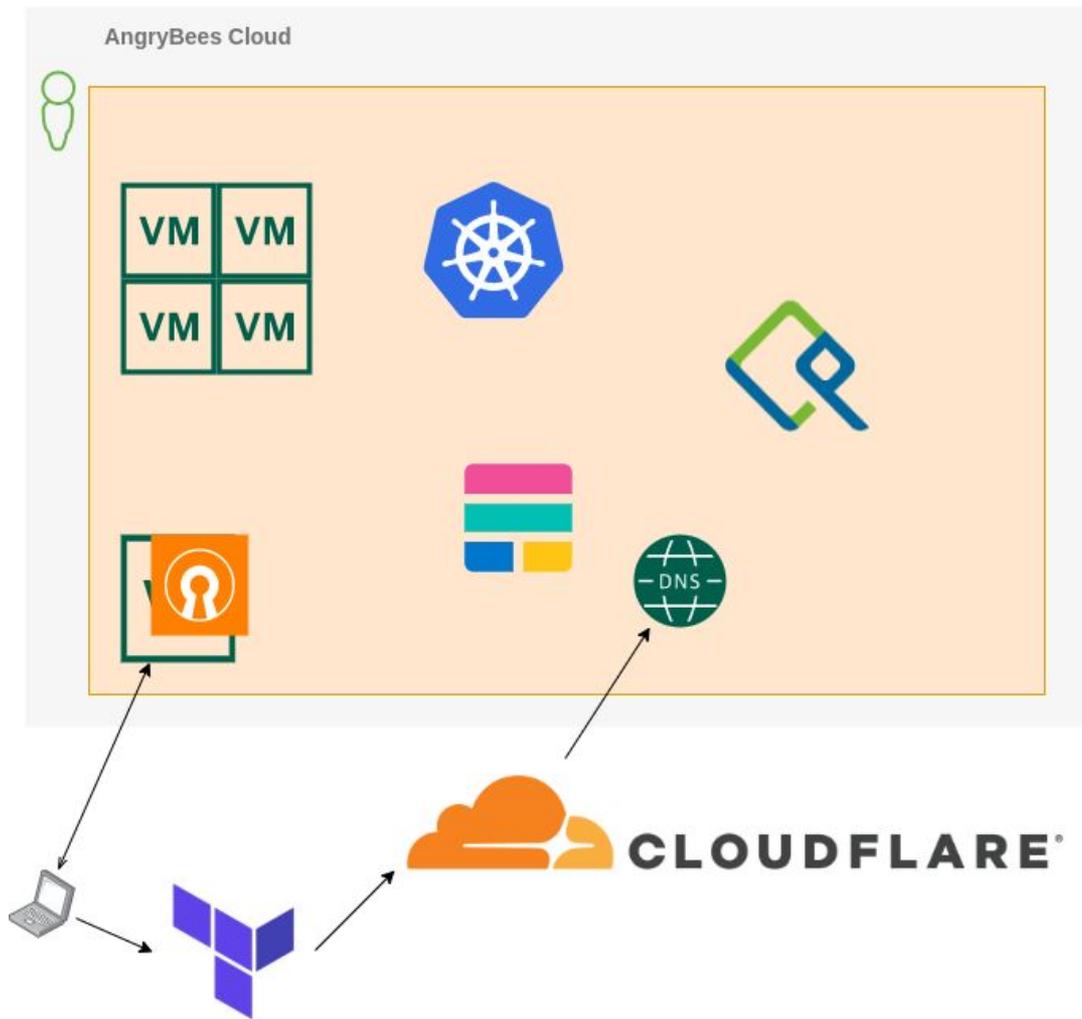


Benefits

- No maintenance, high reliability
- “Everything just works”
- I get my precious dev time

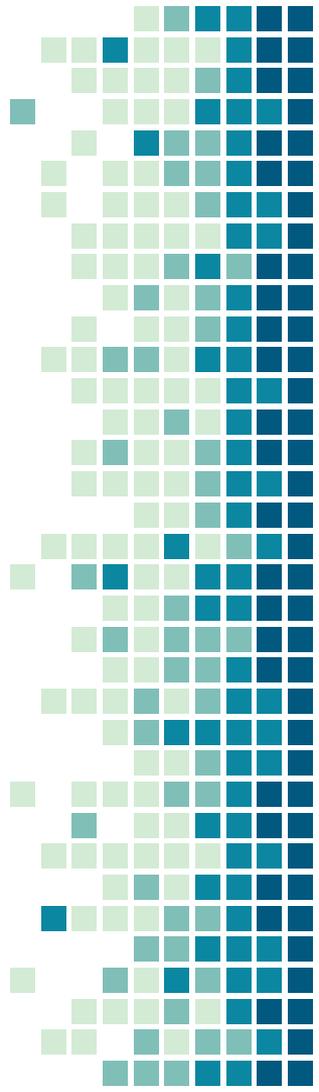


After



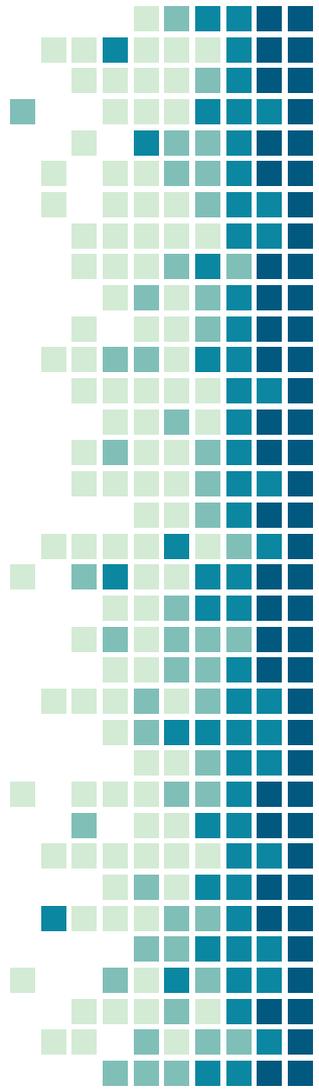
Future Work

- Organize Trello board
- Improve existing architectures
- Make workflows smoother



Fin?

Packer
FreeIPA
Cloud
ElasticStack
Ansible
Automation
Kanban IdentityMangement
Kubernetes
Cloudflare
Terraform
VMWare



No! Ask Me About Stuff

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