



SPO1464 - An Application a Year to an Application a Week on AWS

Ryan Niksch

2019

We asked customers what they want:

1. We want to be agile.
2. We want to be portable.
- 3....

But agility is not new, is it?

”Onions are like agility, they have layers”

There is a high probability this is a miss quote!

Why customers are moving to AWS

- Agility
- Availability
- Scalability
- Security

Dev ops and automation.



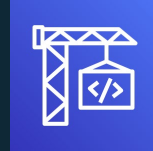
AWS Cloud9



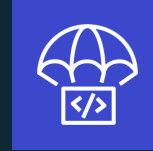
AWS CodeCommit



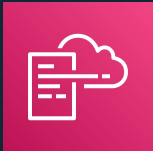
AWS CodePipeline



AWS Codebuild



AWS CodeDeploy



AWS CloudFormation

Shift nearly to the left?

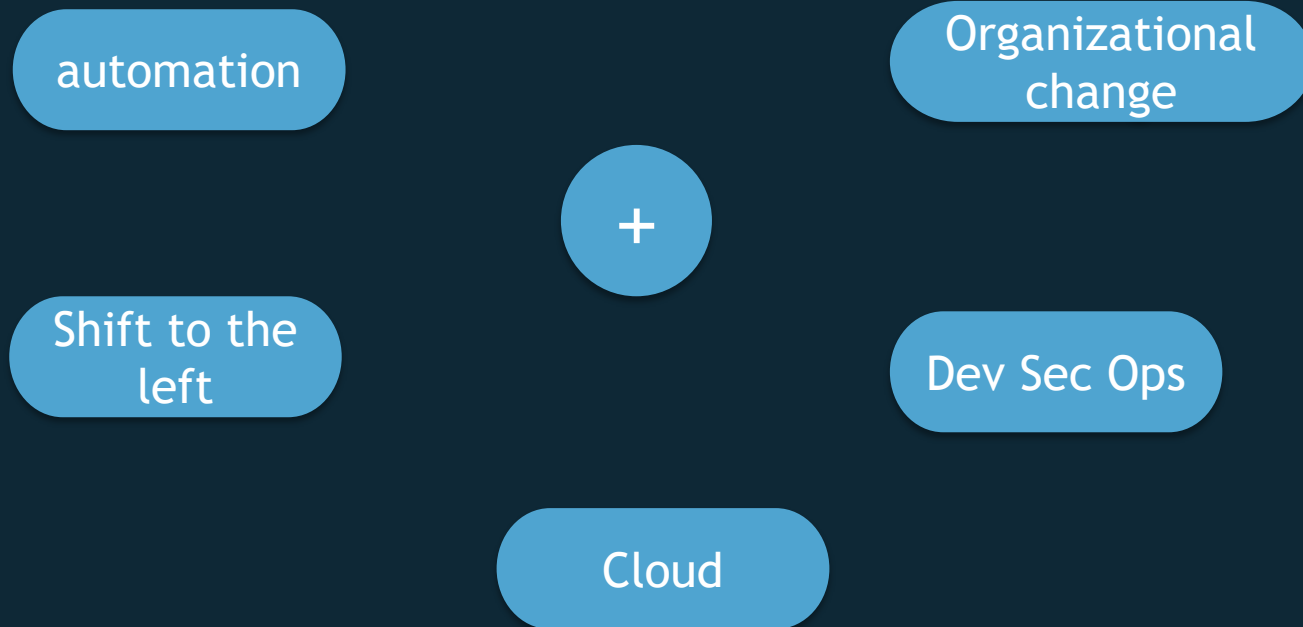
Challenges:

- Dev ops in dev, parking break in prod.
- Security bottle necks.

Modern Security Tenets:

- Agile
- Automated
- Continuous
- Collaborative
- Rails not gates

Still not enough agility?



Reduce hat swapping.
Reduce skillset ramp up.
Focus on what teams are great at.
Provide tools and frameworks to make teams even faster.

CLOUD FOUNDRY

What customers are saying via the CF user survey:

More apps in less time.

More than a third of Cloud Foundry users save a few months or more per application development cycle, and 10 percent report saving more than six months.

Nearly a quarter of Cloud Foundry users report saving \$500K per application development cycle

17 percent of whom save more than \$1 million.

<https://www.cloudfoundry.org/cf-user-report-2018/>

Traditional Cloud Foundry implementations:

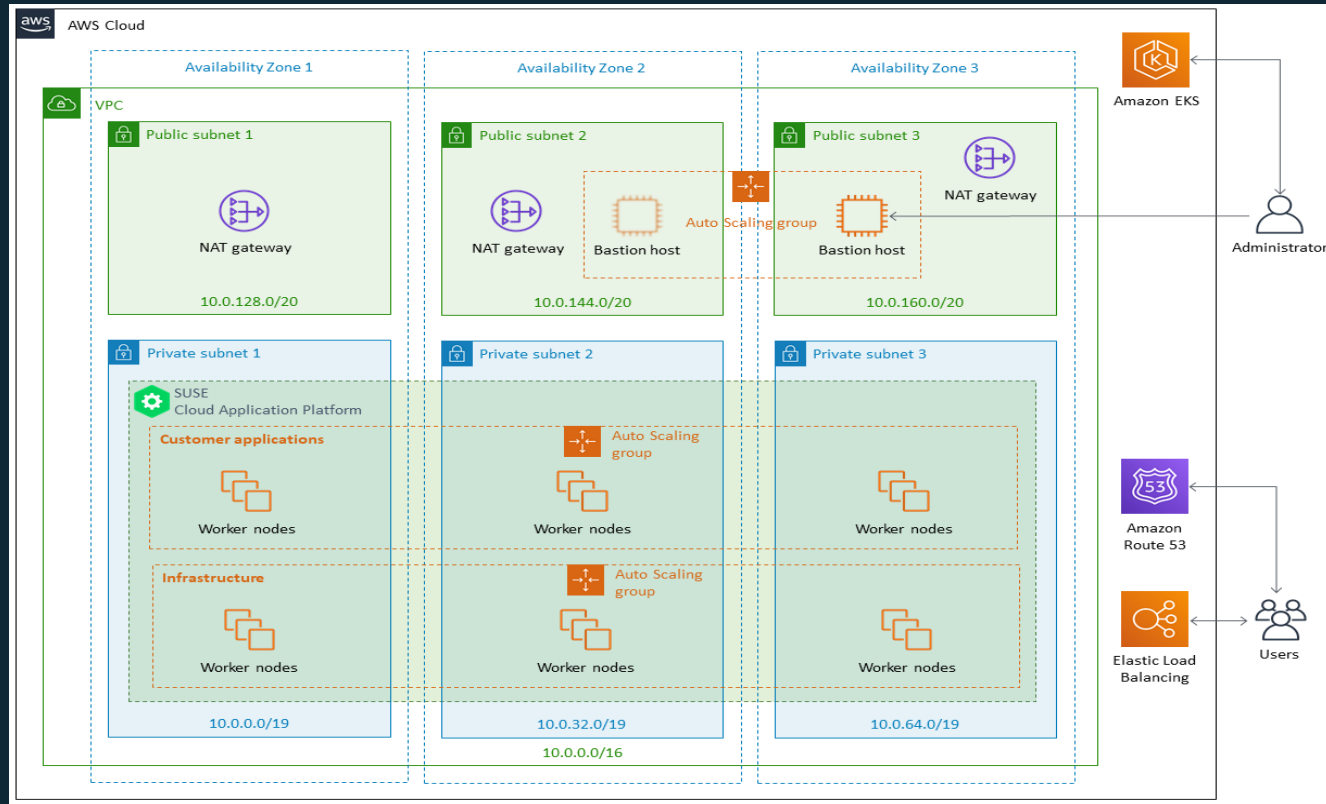
Challenging to install, manage and maintain.
Heavy infrastructure foot print.
Certain layers do not auto heal.

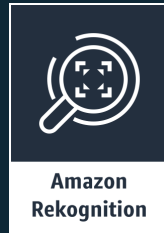
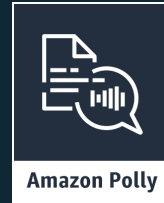
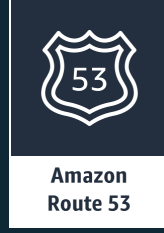
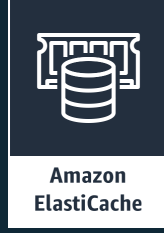
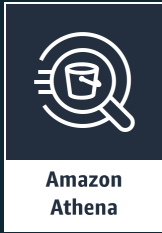
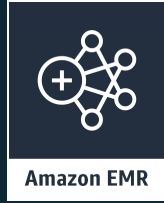
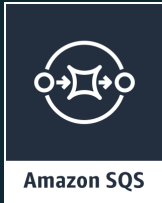
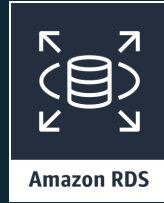
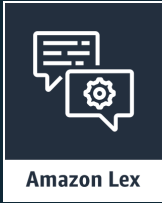
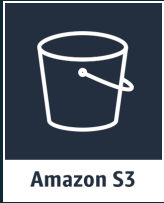
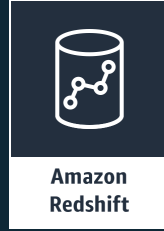
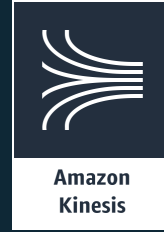
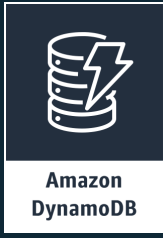


Lean and light weight
Containerized
Easy to install and configure
Fault tolerant by design
Self Healing

Easier to install, scale and maintain

AWS Quick Start: SUSE Cloud Application Platform



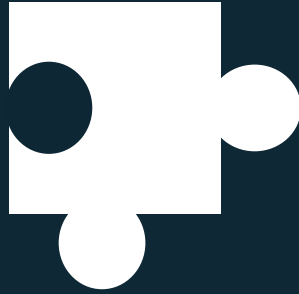


Agility

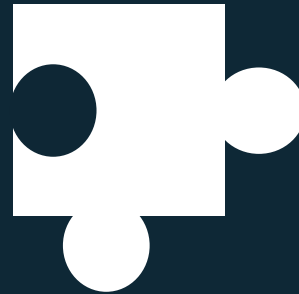
AWS



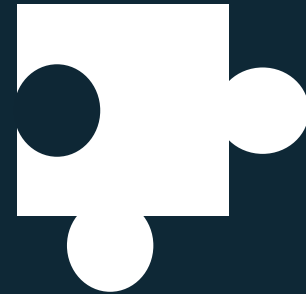
DevSecOps



Organizational
change



Automation



CAP



Service
Broker



Thank You