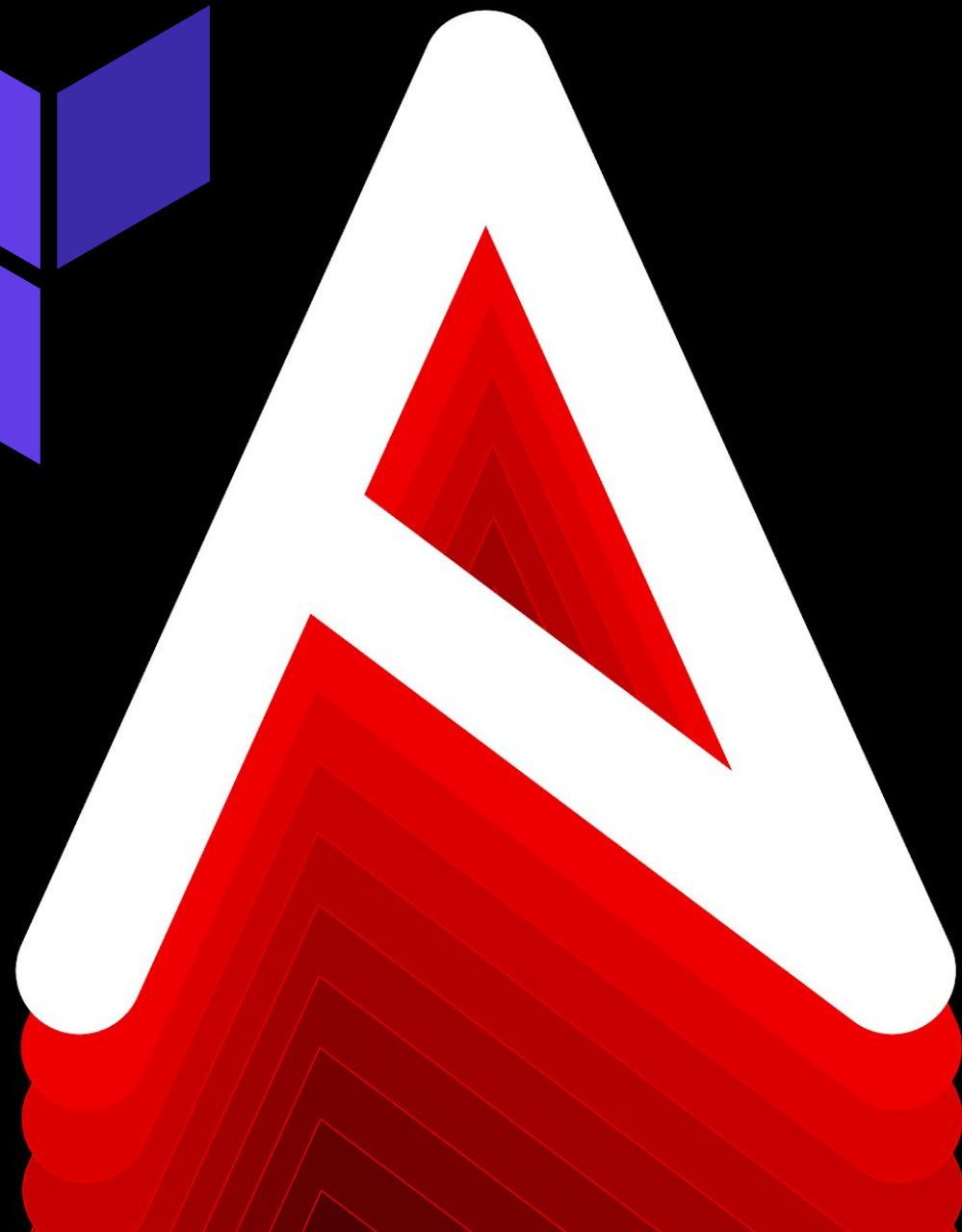


# Terraform versus Ansible?

## Why not both?

Seb Wains  
Automation Advocate  
[swains@redhat.com](mailto:swains@redhat.com)

Vincent Seynhaeve  
Solution Architect  
[seynhaeve@redhat.com](mailto:seynhaeve@redhat.com)



# Phillipps versus flat-head screwdriver?



This demo is NOT sponsored by Wera.

## seb.yml

---

- name: Sebastien Wains  
hosts: Red Hat  
since: 2018

vars:

role: Automation Advocate  
region: Belux  
email: swains@redhat.com

tasks:

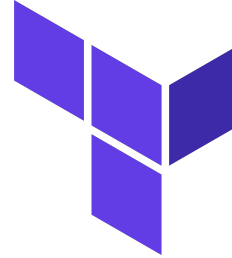
- name: Ensure organizations automate all the things...  
how:  
people: True  
process: True  
technology: True

## vincent.tfstate

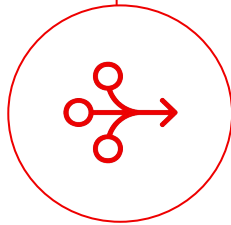
```
{
  "First Name": "Vincent",
  "Last Name": "Seynhaeve",
  "Company": "Red Hat",
  "Role": "Solution Architect",
  "Region": "Belux",
  "Email": "seynhaeve@redhat.com",
  "Experience": [
    "System Engineer",
    "Cloud Engineer",
    "Red Hat Trainer"
  ],
  "Technologies": [
    "RHEL",
    "Ansible",
    "Terraform",
    "Kubernetes",
    "Jenkins"
  ]
}
```

# Ansible and Terraform share the same philosophy

  
February 2012

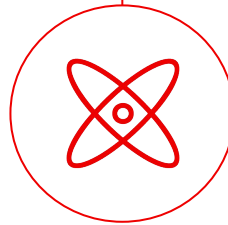


  
July 2014



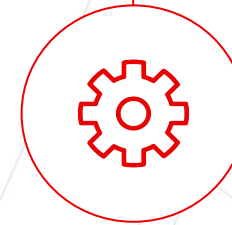
## Simple language

And pretty readable



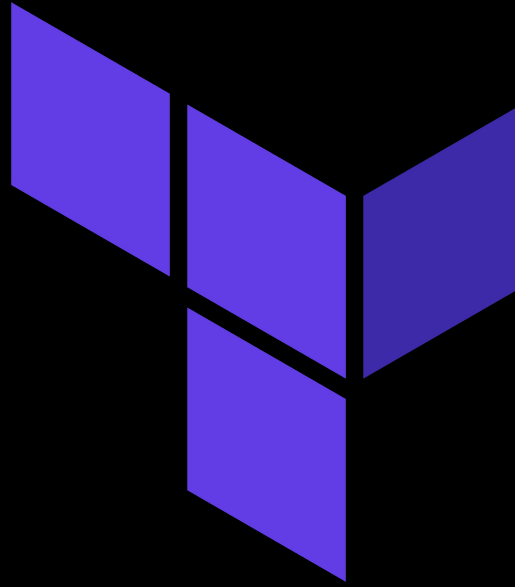
## Powerful

Large ecosystem  
Collections and Providers

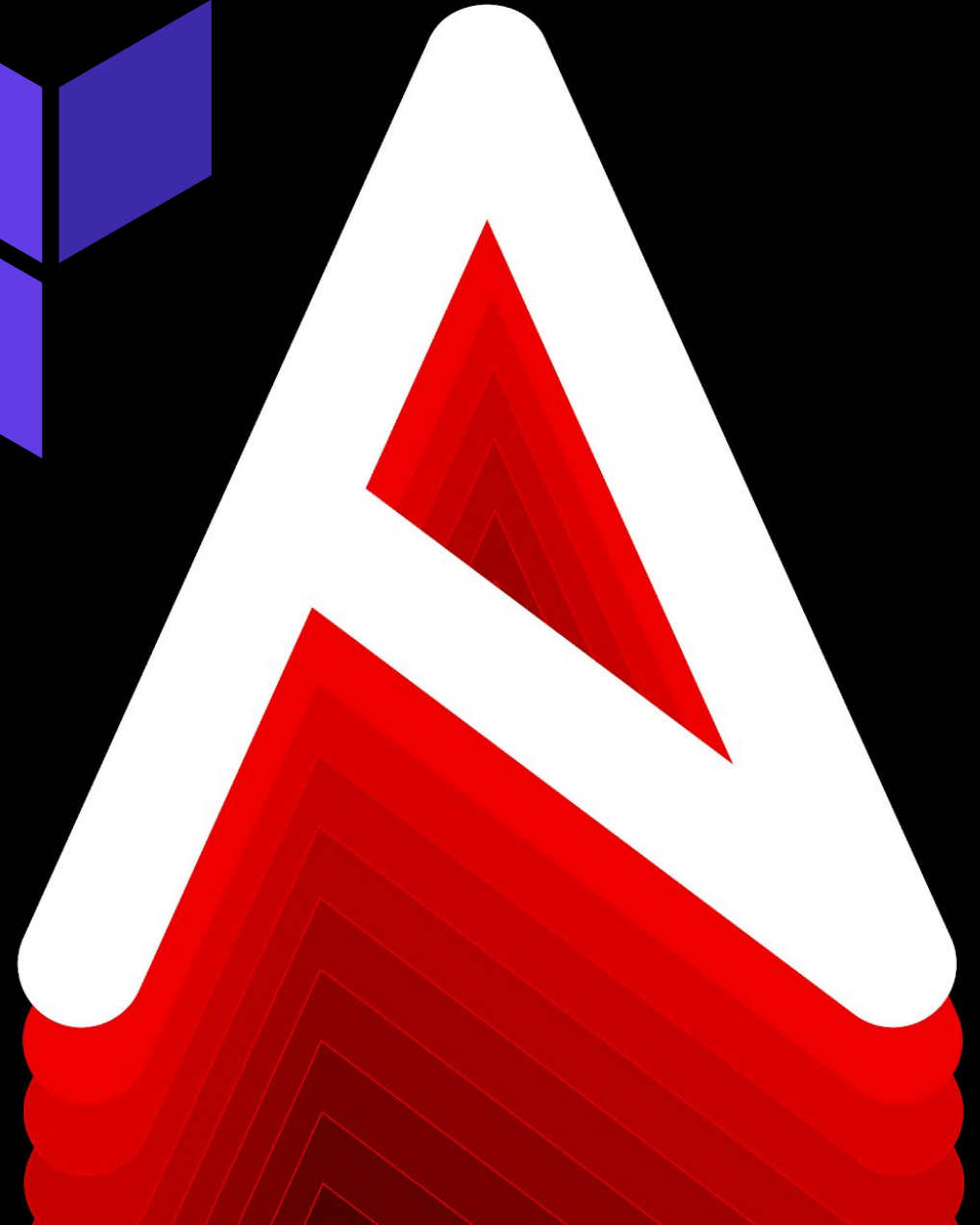


## Agentless

Easy integration in  
your environments



How it usually starts...



# Demo 1 part 1 - Deploy RHEL on AWS

## Infrastructure As Code with Terraform CLI



### Requirements:

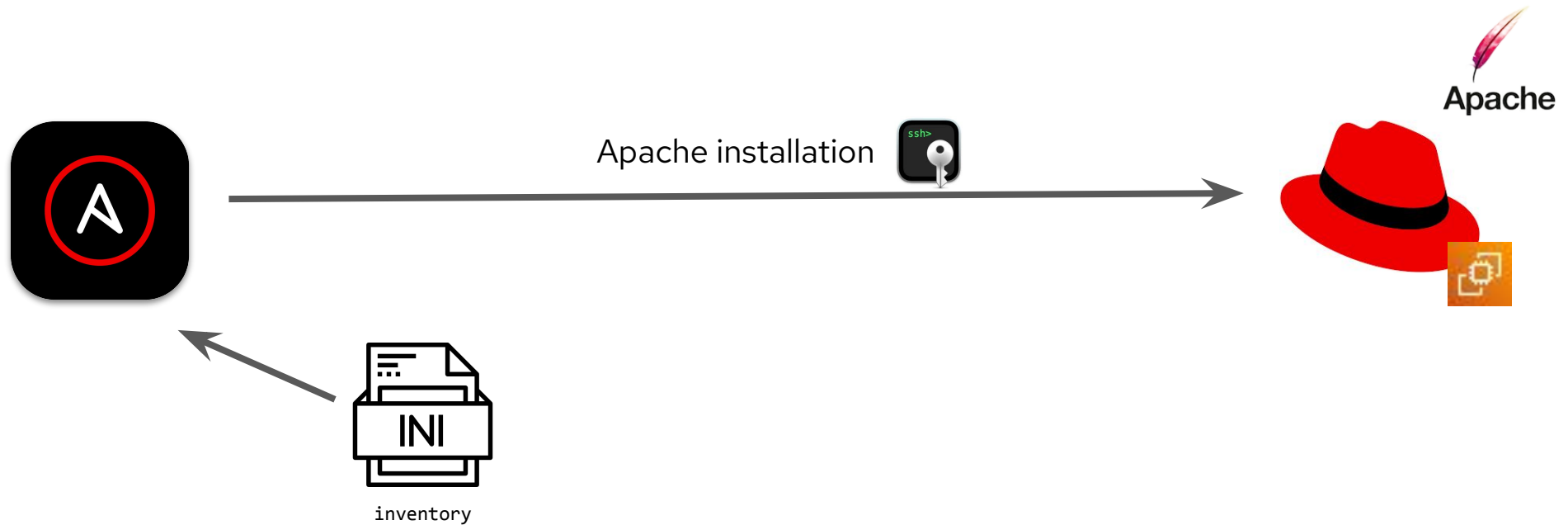
AWS token  
Public SSH key (in AWS)

### Results:

A new Linux  
An IP address  
A terraform state

# Demo 1 part 2 - Deploy a web server on RHEL

Infrastructure As Code with Ansible CLI



## Requirements:

An inventory

Private SSH key

## Results:

A web server



# What have we learned? 🤠

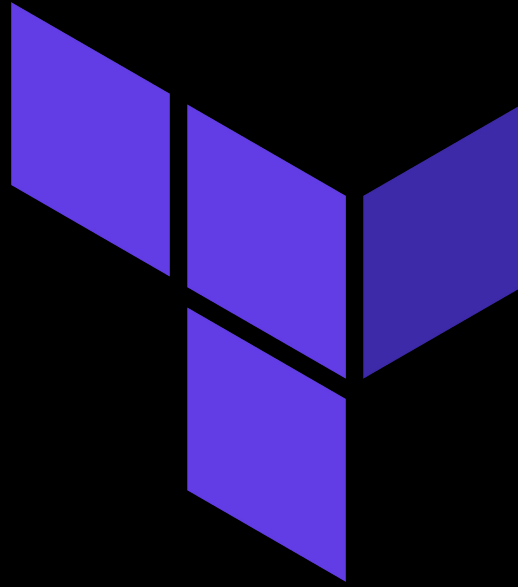
Credentials ?

Inventory ?

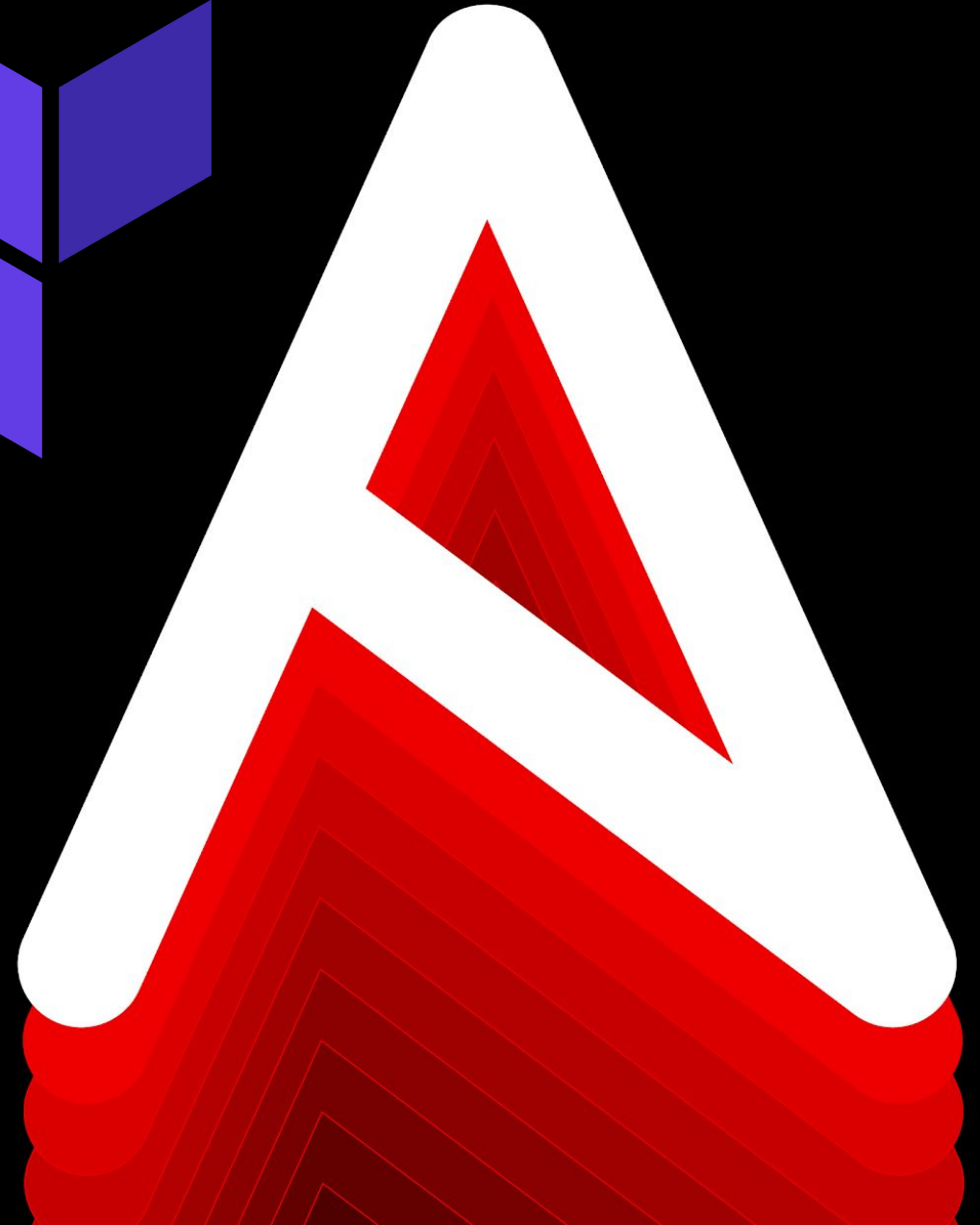
Logging and observability ?

Permissions ?

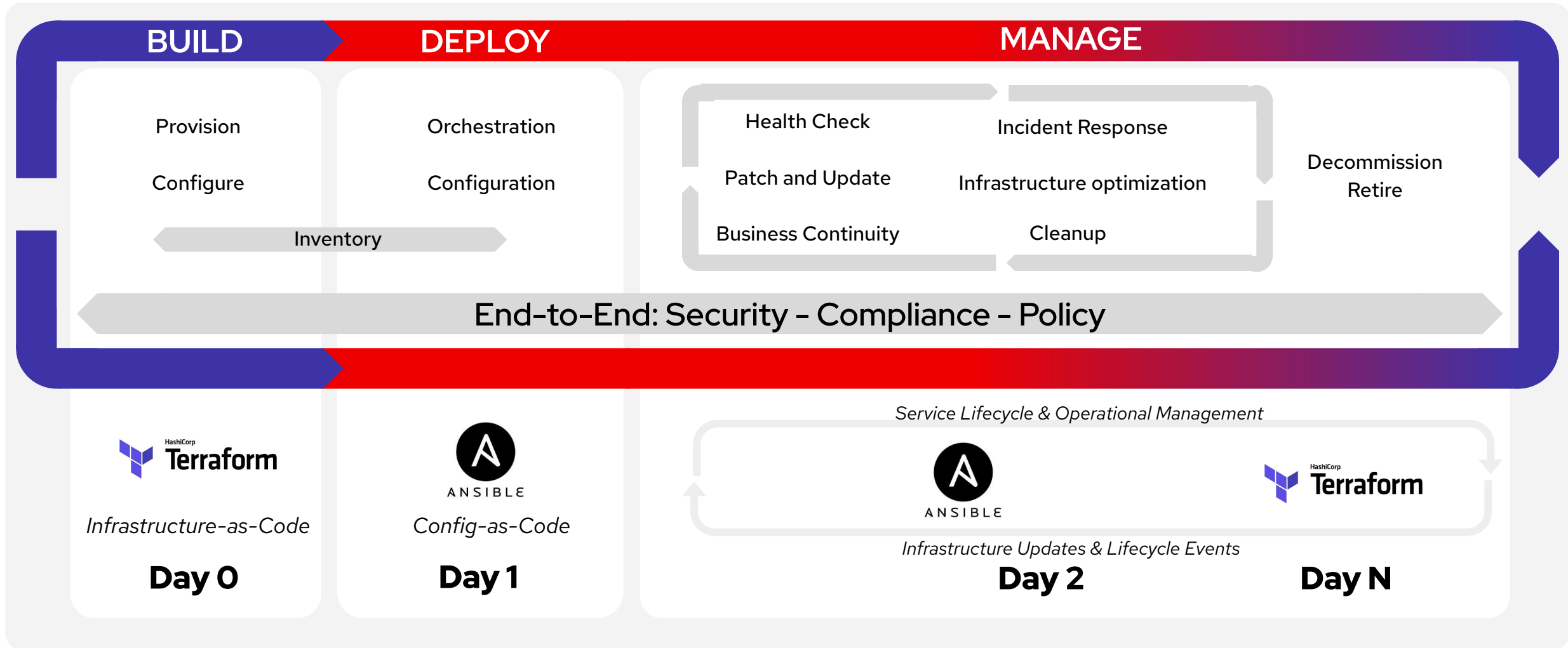
Collaboration ?



Enterprises need more.



# Holistic Orchestration of your IT landscape





# The advantages of the approach

State file in an S3 bucket = dynamic inventory for Ansible 

Well kept secrets 

Logging and observability 

Permissions (Role Based Access Control) 

Approvals 

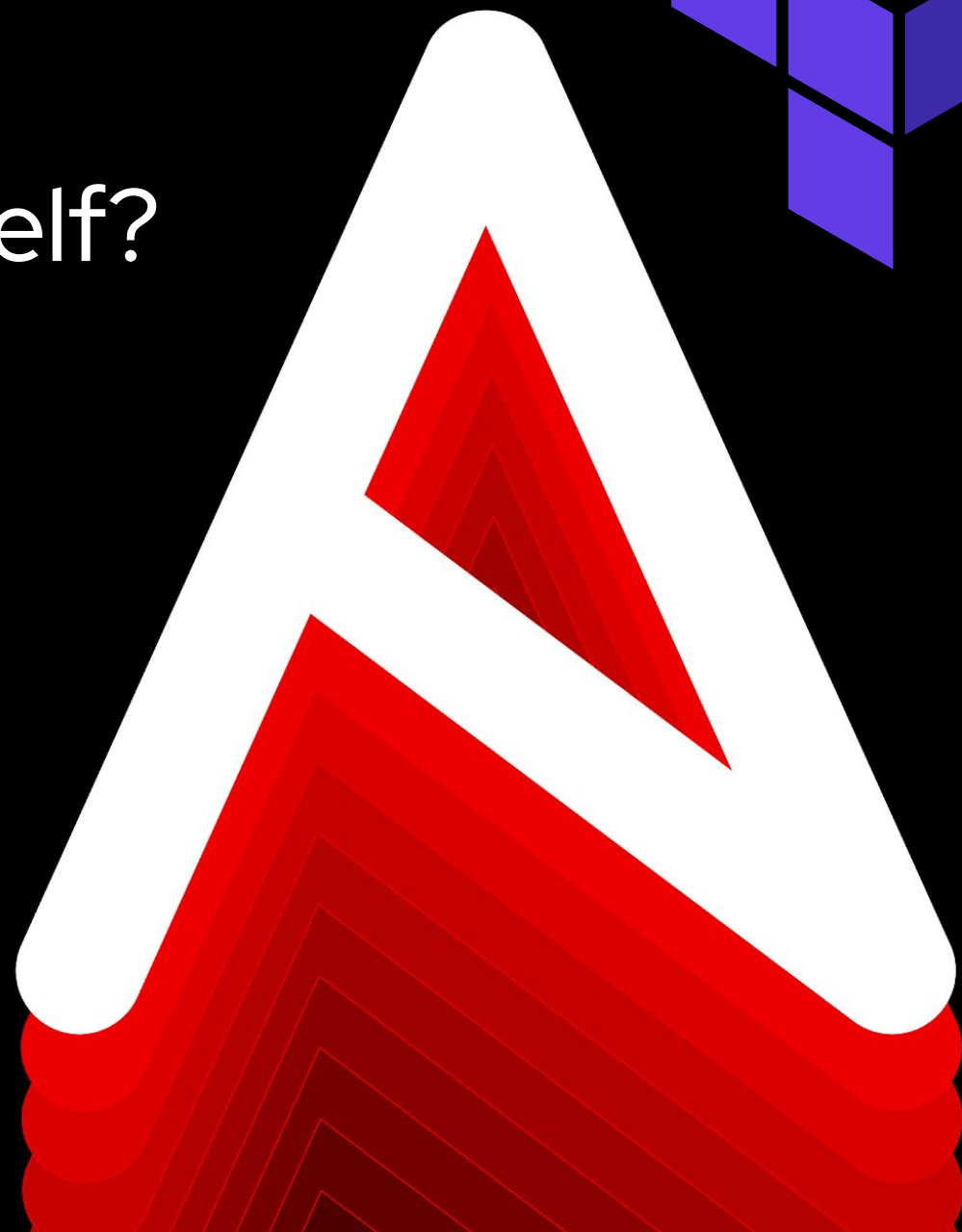
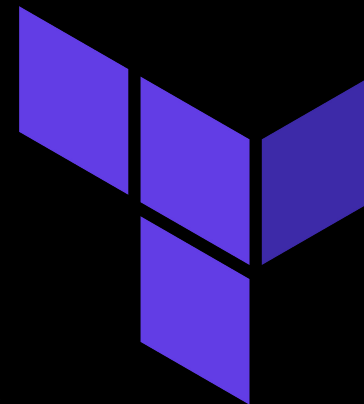
Collaboration! 

ITSM integration 

# Want to run this demo yourself?

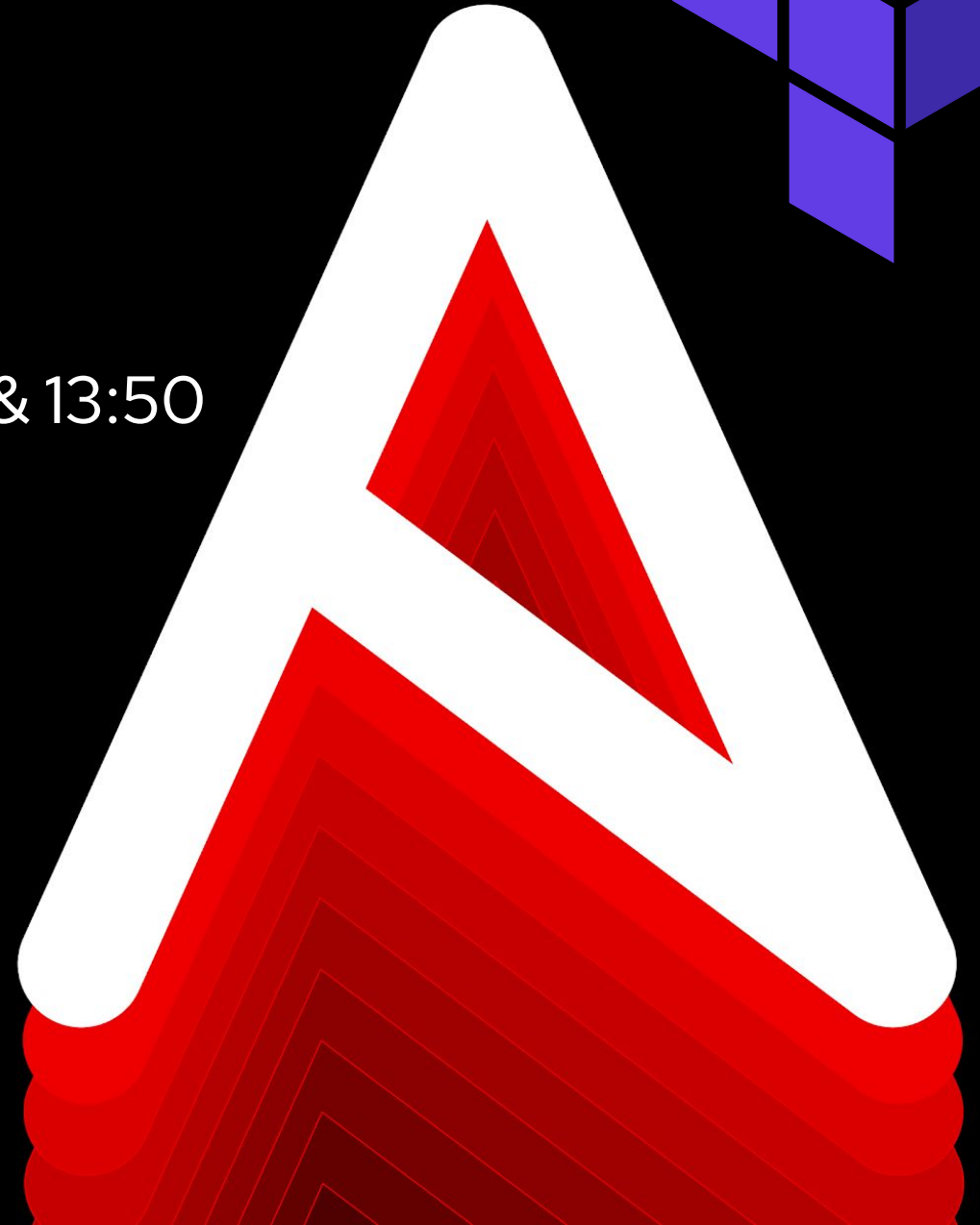
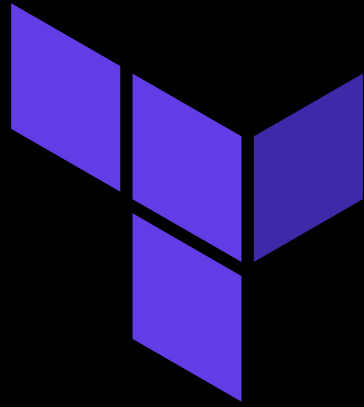


Need a trial subscription for your demo?



# Questions?

Join us at the Red Hat booth between 12:50 & 13:50



# Thank you

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