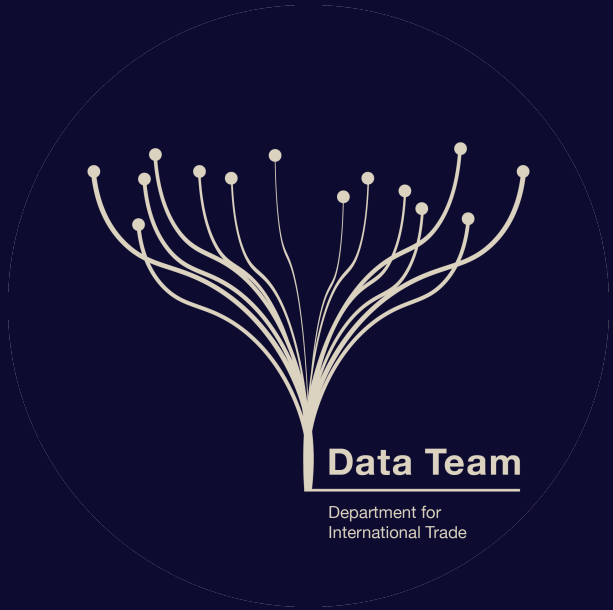
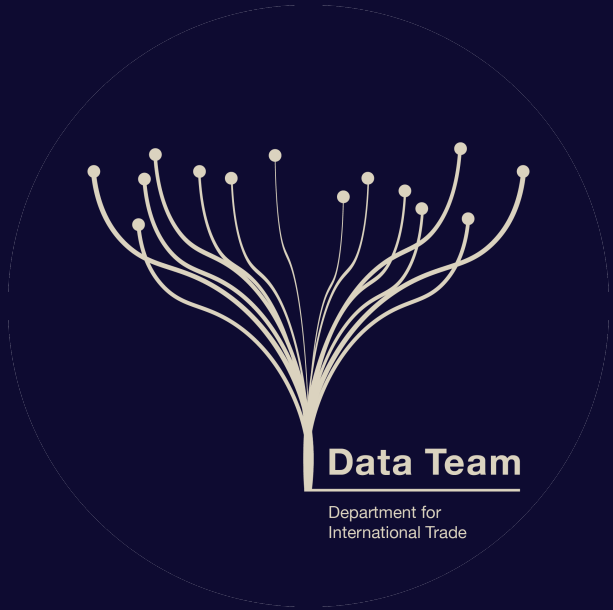

HashiCorp
Terraform


Data Team
Department for
International Trade

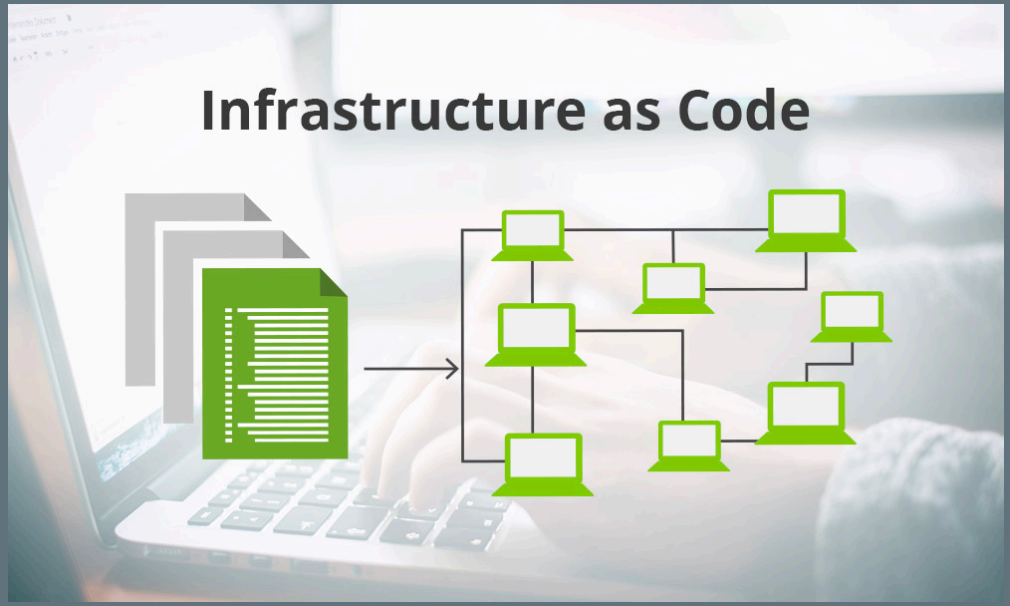

HashiCorp
Terraform


Data Team
Department for
International Trade


CLOUD


FOUNDRY

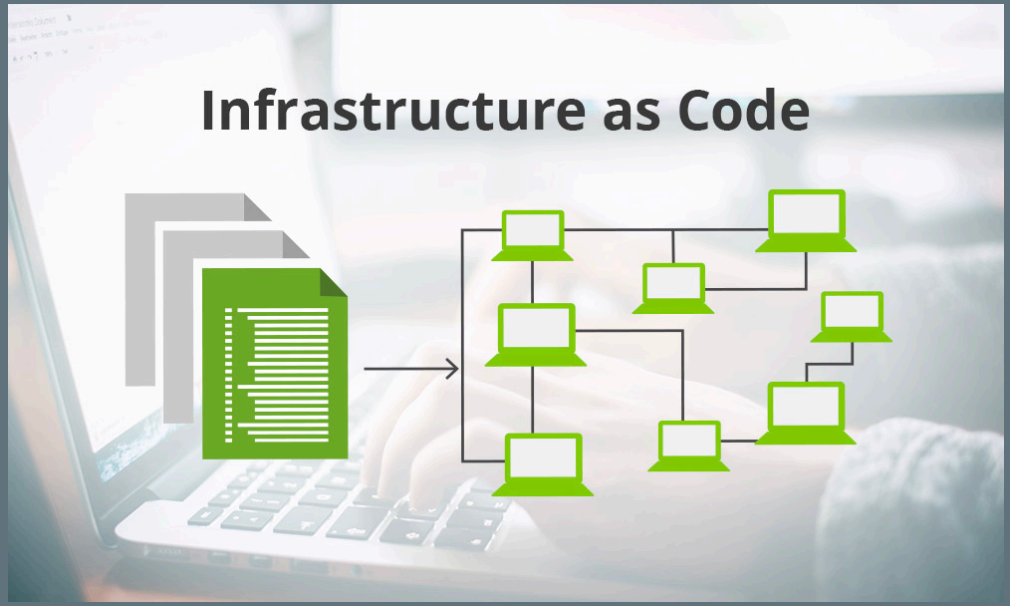
What’s the point of Infrastructure As Code?



Statistically, companies that apply good DevOps practises increase the number of features delivered by 100%, reduce lead times by 60%, and reduce production incidents by 60 to 90%

What’s the point of Infrastructure As Code?

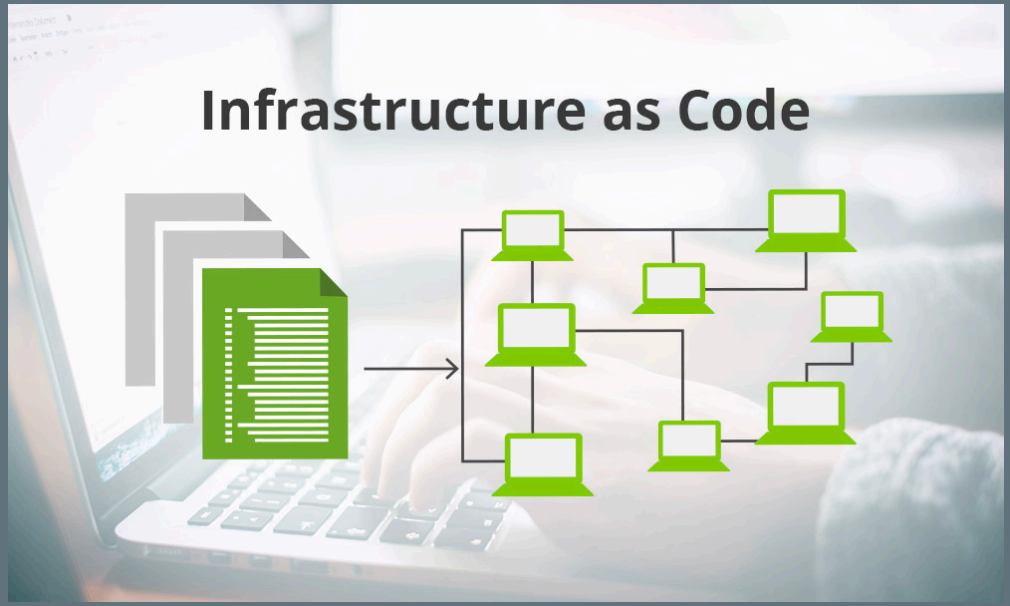
- Consistency



Statistically, companies that apply good DevOps practises increase the number of features delivered by 100%, reduce lead times by 60%, and reduce production incidents by 60 to 90%

What’s the point of Infrastructure As Code?

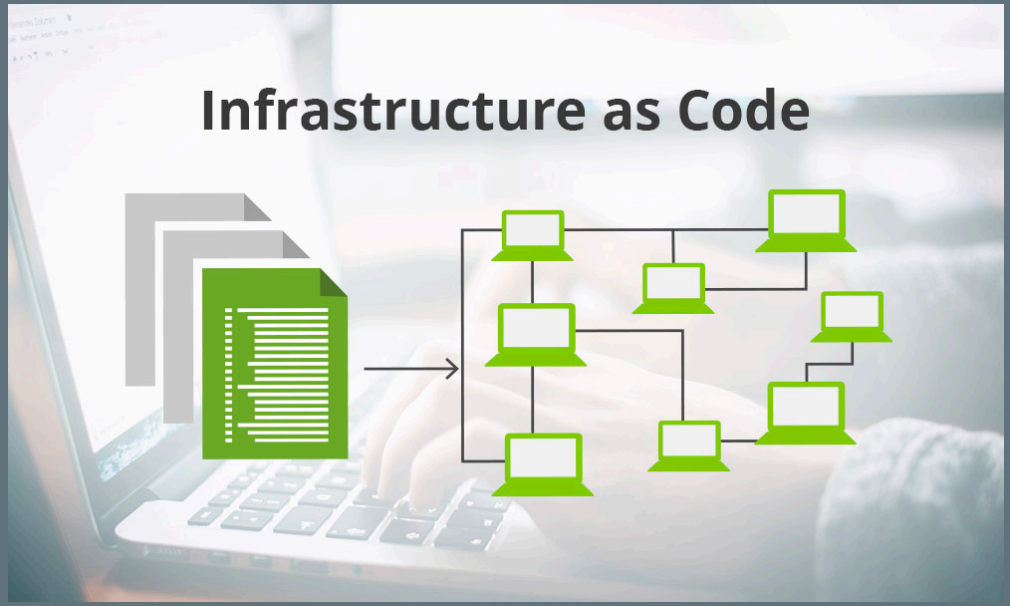
- Consistency
- Repeatable



Statistically, companies that apply good DevOps practises increase the number of features delivered by 100%, reduce lead times by 60%, and reduce production incidents by 60 to 90%

What’s the point of Infrastructure As Code?

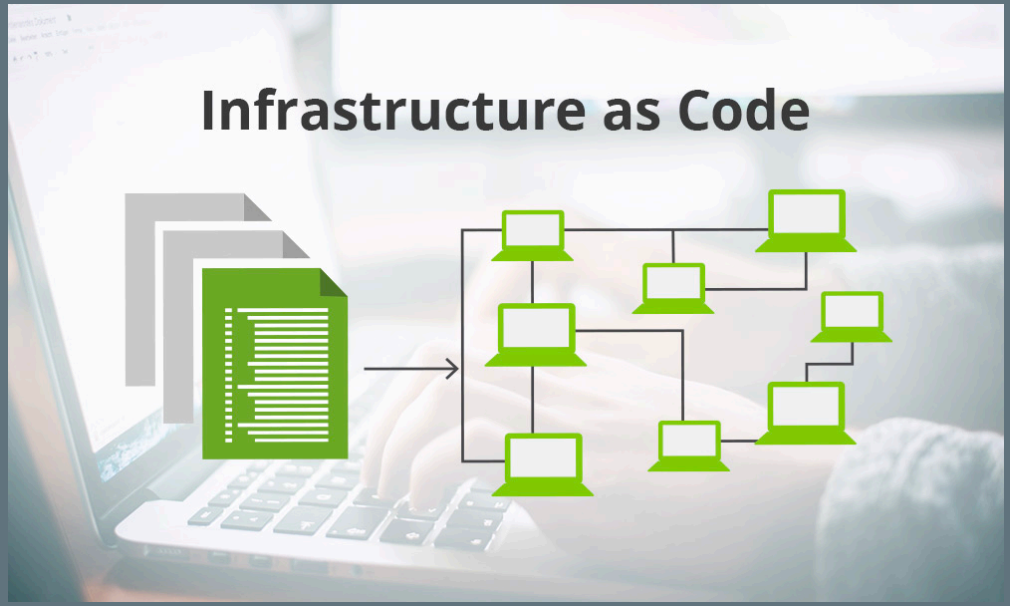
- Consistency
- Repeatable
- Scriptable



Statistically, companies that apply good DevOps practises increase the number of features delivered by 100%, reduce lead times by 60%, and reduce production incidents by 60 to 90%

What’s the point of Infrastructure As Code?

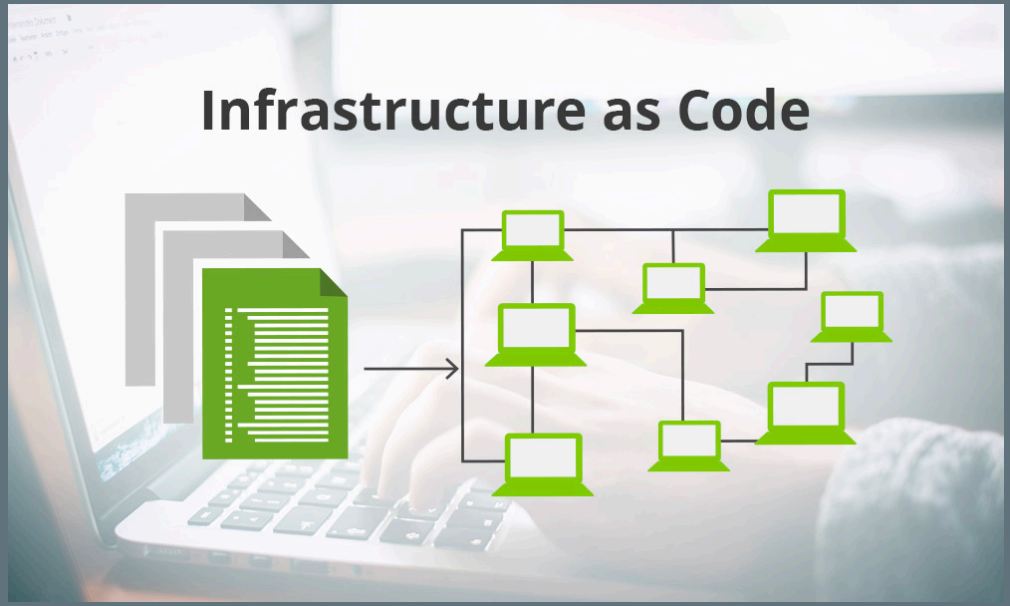
- Consistency
- Repeatable
- Scriptable
- Scalable



Statistically, companies that apply good DevOps practises increase the number of features delivered by 100%, reduce lead times by 60%, and reduce production incidents by 60 to 90%

What’s the point of Infrastructure As Code?

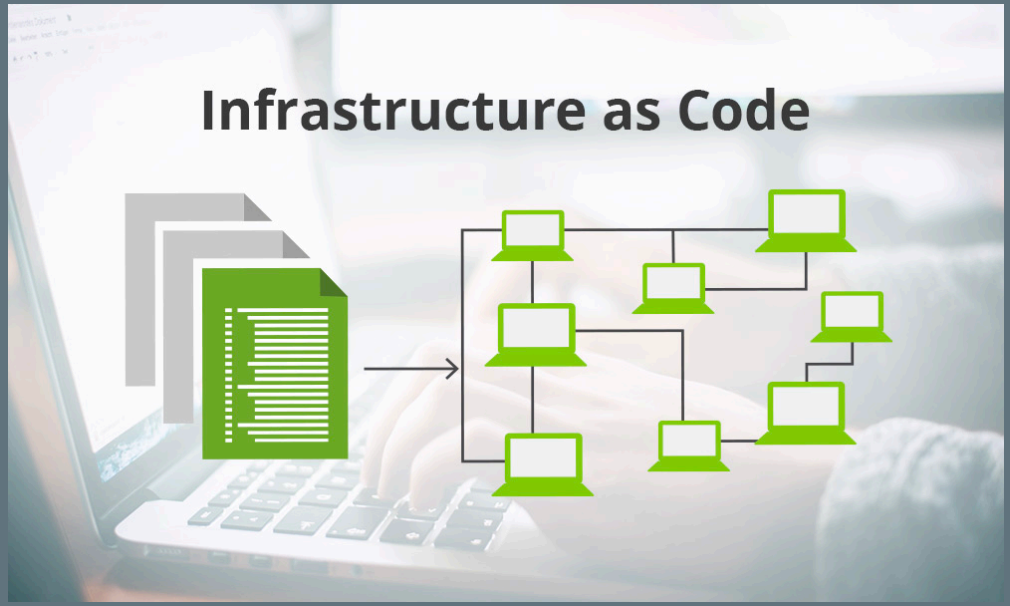
- Consistency
- Repeatable
- Scriptable
- Scalable
- Deployable



Statistically, companies that apply good DevOps practises increase the number of features delivered by 100%, reduce lead times by 60%, and reduce production incidents by 60 to 90%

What’s the point of Infrastructure As Code?

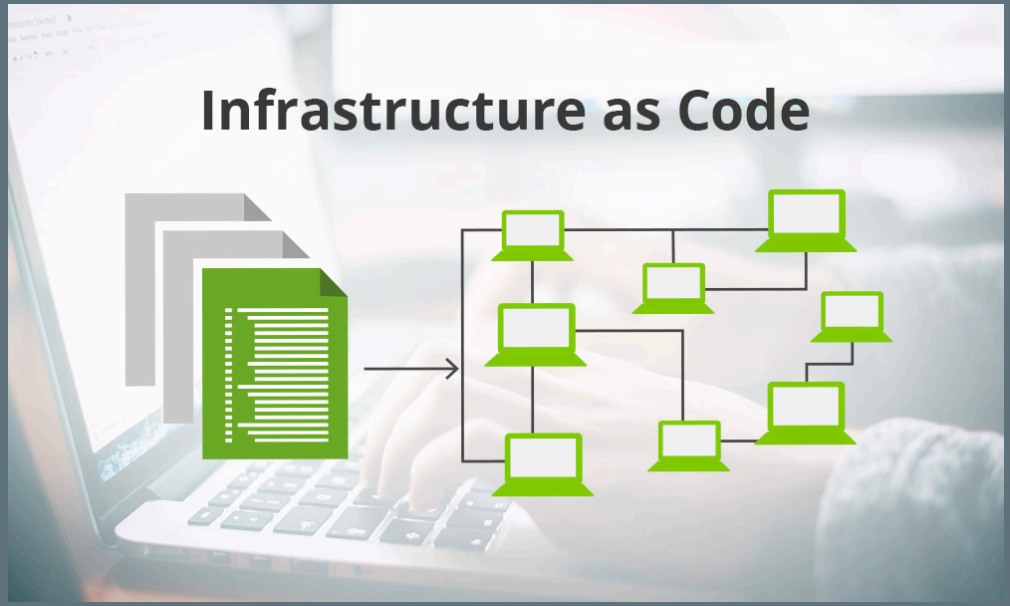
- Consistency
- Repeatable
- Scriptable
- Scalable
- Deployable
- Versionable



Statistically, companies that apply good DevOps practises increase the number of features delivered by 100%, reduce lead times by 60%, and reduce production incidents by 60 to 90%

What’s the point of Infrastructure As Code?

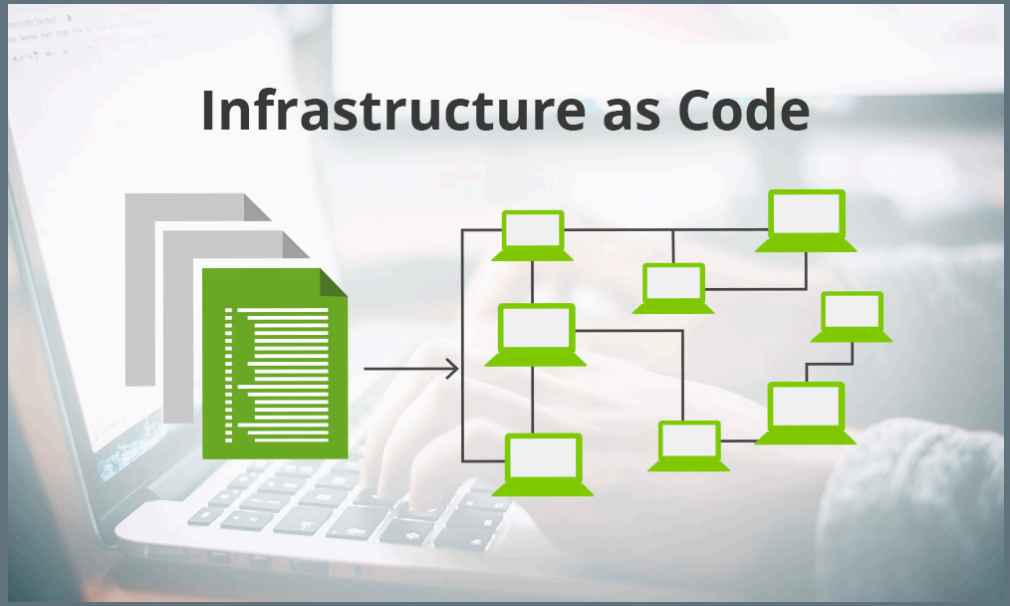
- Consistency
- Repeatable
- Scriptable
- Scalable
- Deployable
- Versionable
- Modular



Statistically, companies that apply good DevOps practises increase the number of features delivered by 100%, reduce lead times by 60%, and reduce production incidents by 60 to 90%

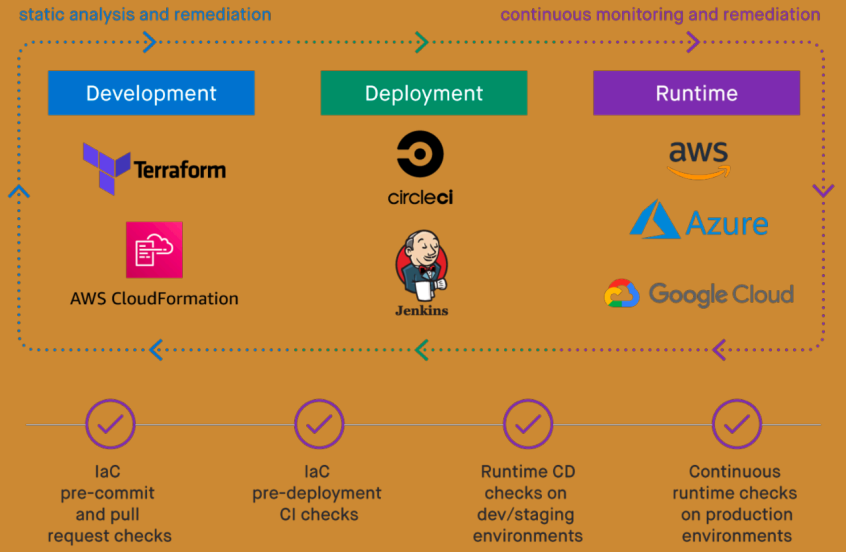
What’s the point of Infrastructure As Code?

- Consistency
- Repeatable
- Scriptable
- Scalable
- Deployable
- Versionable
- Modular



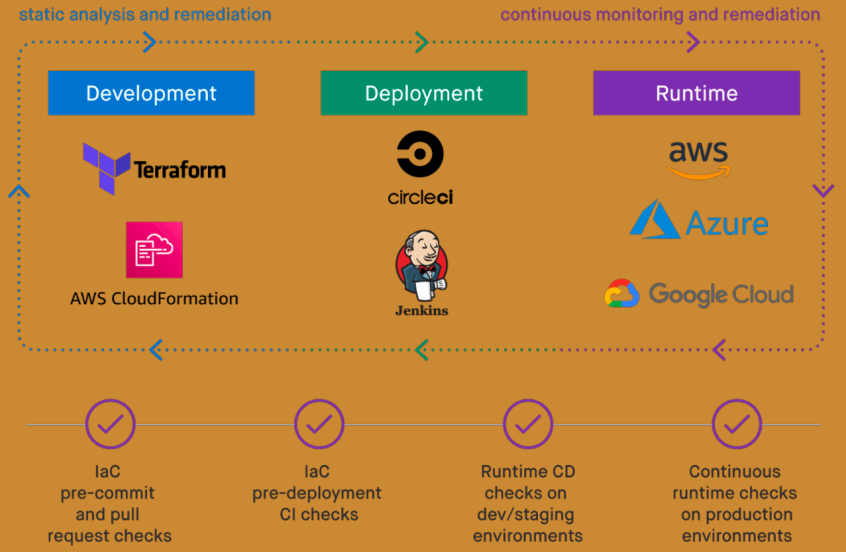
Statistically, companies that apply good DevOps practises increase the number of features delivered by 100%, reduce lead times by 60%, and reduce production incidents by 60 to 90%

What are the categories of Infrastructure As Code?



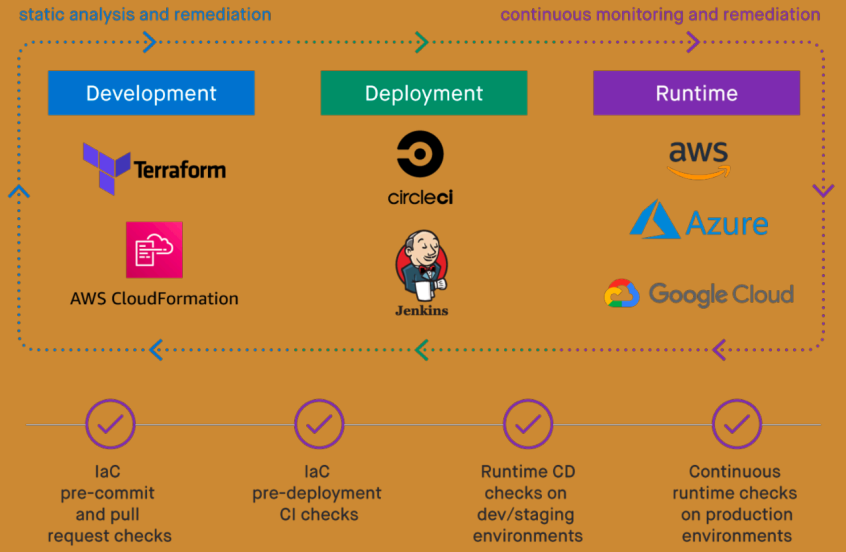
What are the categories of Infrastructure As Code?

- **Adhoc scripts** *Bash, Ruby, Python, Powershell*



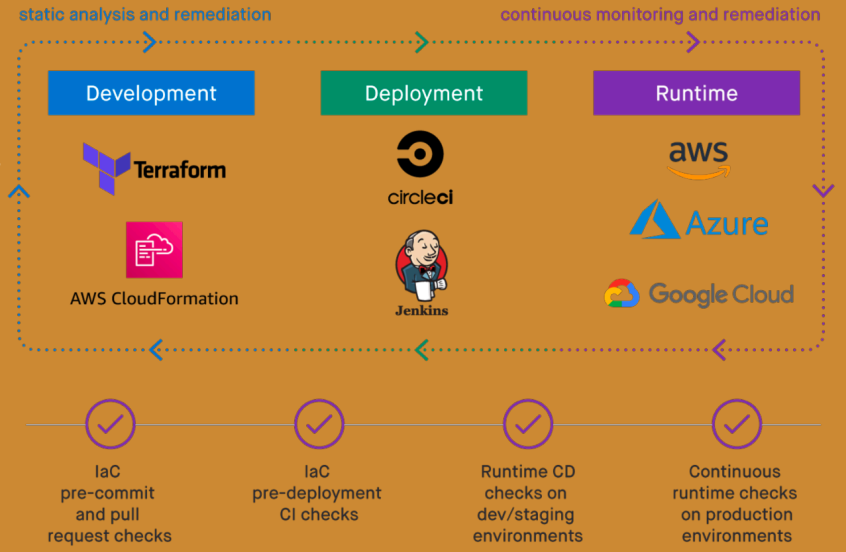
What are the categories of Infrastructure As Code?

- **Adhoc scripts** *Bash, Ruby, Python, Powershell*
- **Configuration management tools** *Chef, Puppet, Ansible and SaltStack*



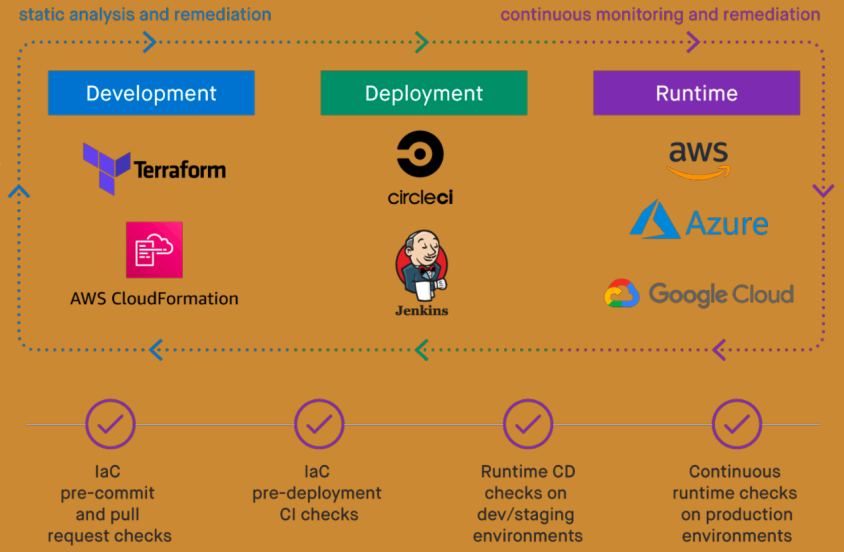
What are the categories of Infrastructure As Code?

- **Adhoc scripts** *Bash, Ruby, Python, Powershell*
- **Configuration management tools** *Chef, Puppet, Ansible and SaltStack*
- **Server templating tools** *Docker, Packer, Vagrant, Virtual Machines or Containers (Immutable infrastructure)*



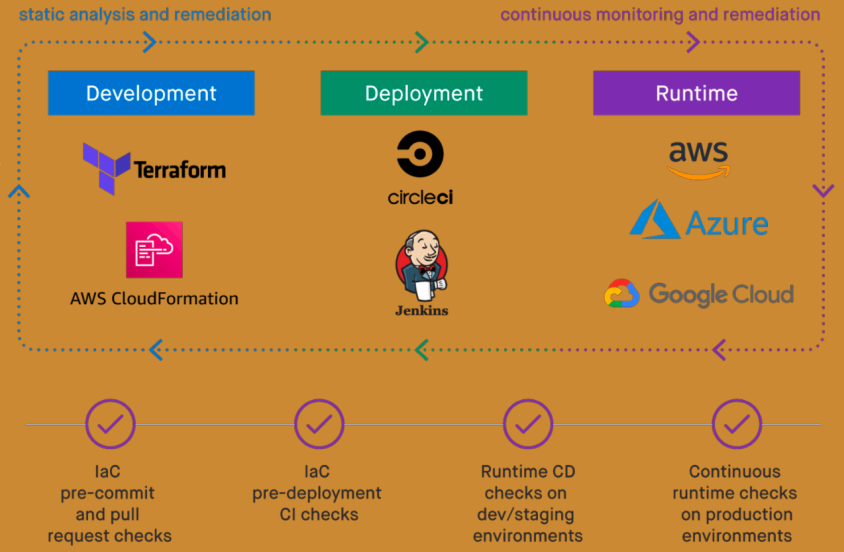
What are the categories of Infrastructure As Code?

- **Adhoc scripts** *Bash, Ruby, Python, Powershell*
- **Configuration management tools** *Chef, Puppet, Ansible and SaltStack*
- **Server templating tools** *Docker, Packer, Vagrant, Virtual Machines or Containers (Immutable infrastructure)*
- **Orchestration tools** *Kubernetes, Marathon, Mesos, Amazon ECS, Docker Swarn or a Pod of Dockers and Nomad*



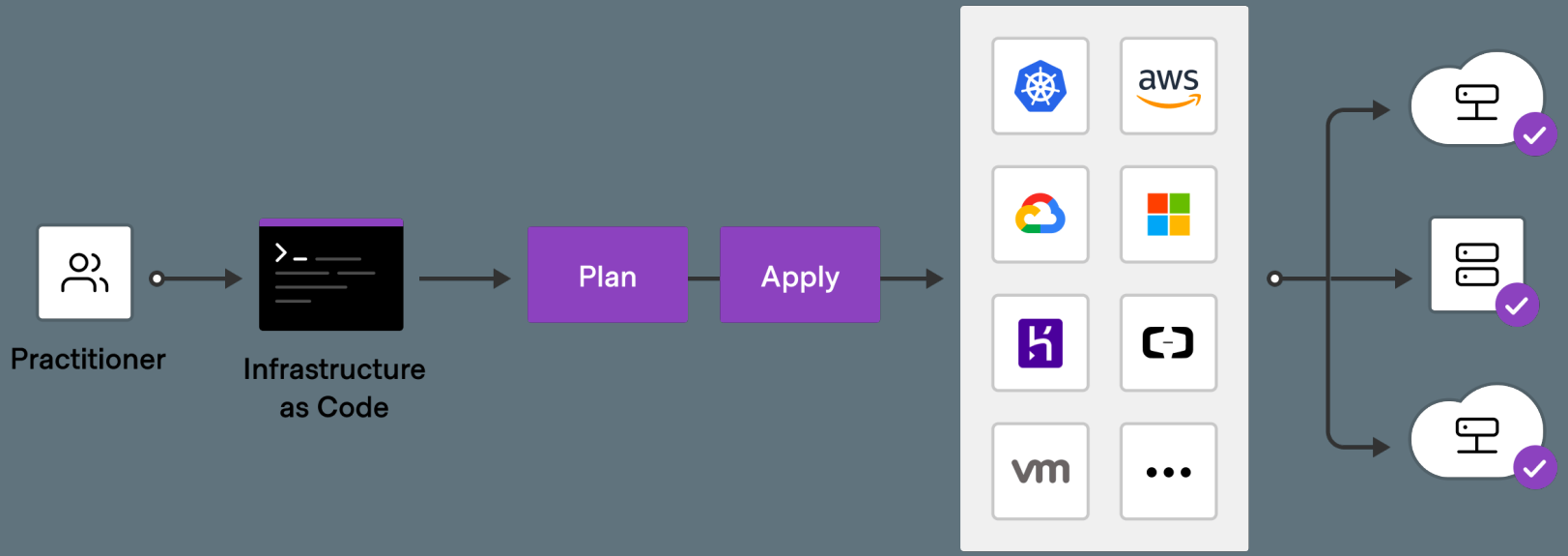
What are the categories of Infrastructure As Code?

- **Adhoc scripts** *Bash, Ruby, Python, Powershell*
- **Configuration management tools** *Chef, Puppet, Ansible and SaltStack*
- **Server templating tools** *Docker, Packer, Vagrant, Virtual Machines or Containers (Immutable infrastructure)*
- **Orchestration tools** *Kubernetes, Marathon, Mesos, Amazon ECS, Docker Swarn or a Pod of Dockers and Nomad*
- **Provision tools** *Terraform, Cloud-Formation and Openstack Heat*

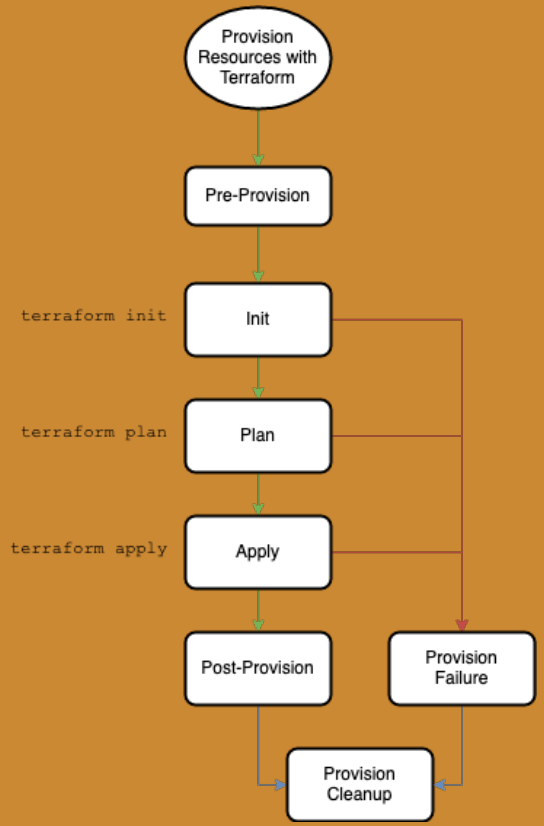


What makes Terraform better?

Understanding the value of Declarative language - TERF



What are the API actions?



Demo ...