



Infrastructure as Code

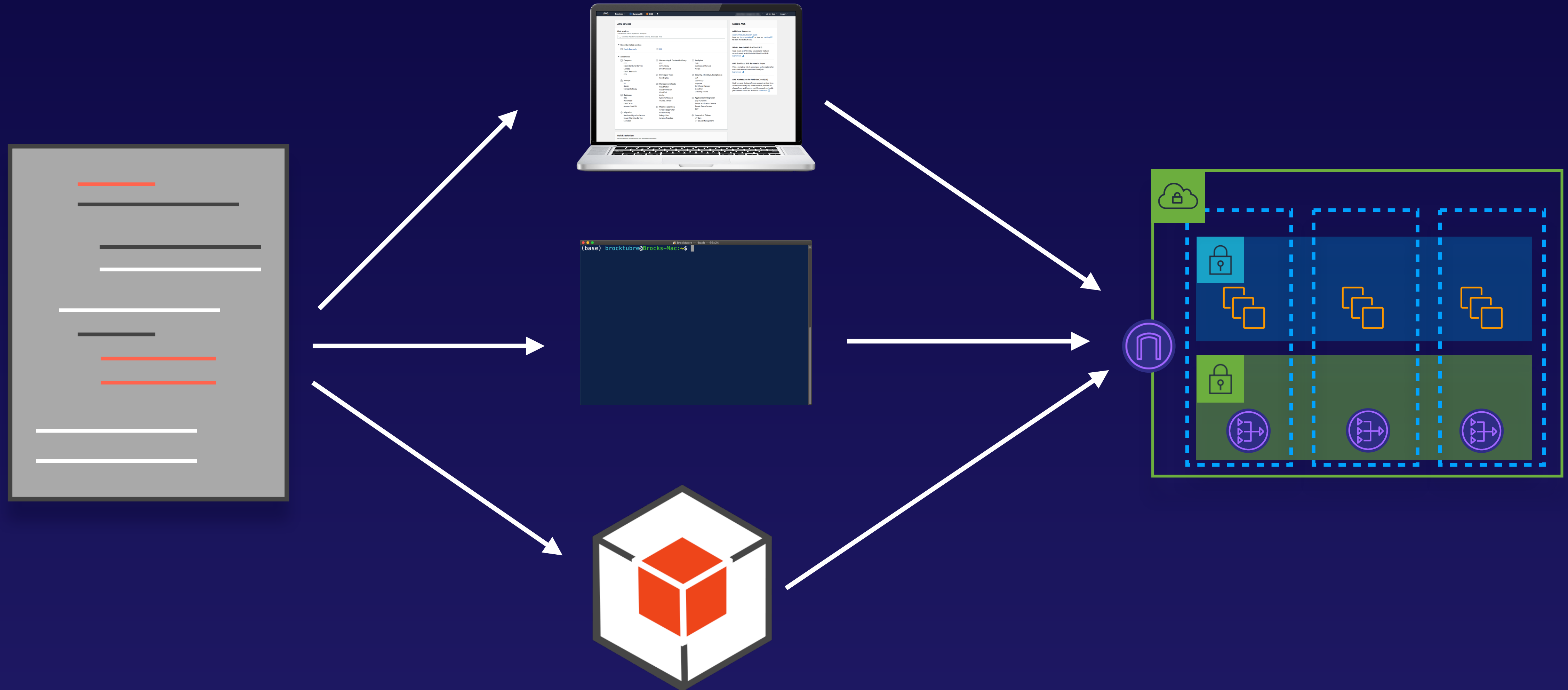


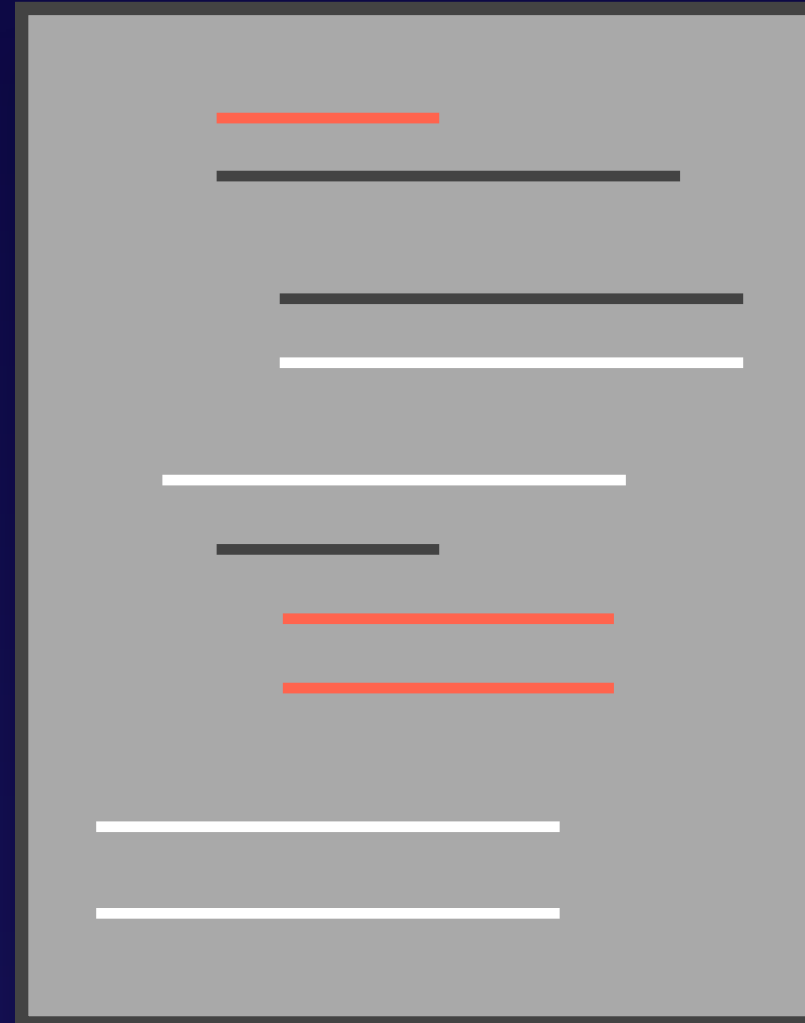
Brock Tubre
TECHNICAL INSTRUCTOR

Traditional Infrastructure Deployments



Infrastructure as Code





Define configurations of our networks and infrastructure in a single document or groups of documents.



Store these documents in source control.



Deploy different versions of the document for each environment (dev, test, prod).



Verify the proper configurations and operations in testing environments.



Not only can we provision infrastructure but also deploy software on the newly created infrastructure.

Infrastructure as Code Benefits

1

Agile Development Cycles

We can use IaC to define the way our infrastructure and networks are deployed with each version of the application.

2

Standardization and Reuse

We can create layers of specification documents that conform to a certain standard and can be reused by different teams across accounts, regions, and applications.

3

Resource Utilization

Minimize the day-to-day repeatable tasks that administrators traditionally perform.