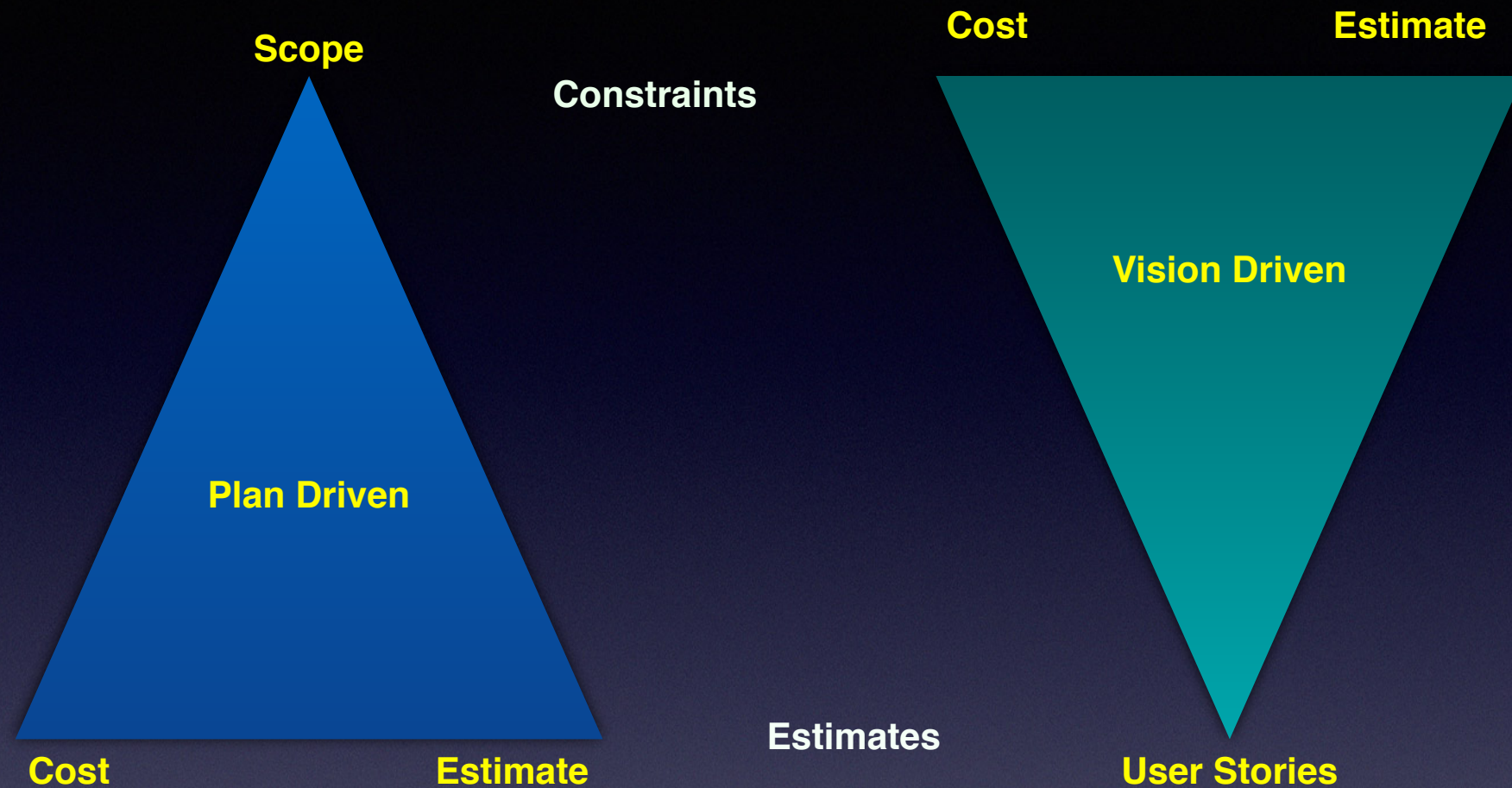


Being Agile in the Security World

Kumar Mathialagan
AllDayDevOps - 2018

Waterfall

Agile



Paradigm Shift

Agile Vs Waterfall

Agile - The Buzzwords

Satisfy the customer

Continuous
Development/Delivery

Features, Epics and
Stories

Iterations

SECURITY

Sprints

Minimum Viable Product

Product Backlog

Releases

“Doing Agile is not Being Agile.”

The pain points

Early and continuous delivery

Changing requirements

Periodic Feature Release

Go To Market timelines

Short Time Planning

80/20 Rule: 80% of users will use 20% of the functionality.

Security testing unable to keep pace

Security impact changes

Recommendation becomes invalidated

Incomplete security testing

Missing test scope and coverage

20/80 Rule: 20% of this functionality will be targeted by 80% of attackers

Compounding Factors

Microservices Architecture

Containerization

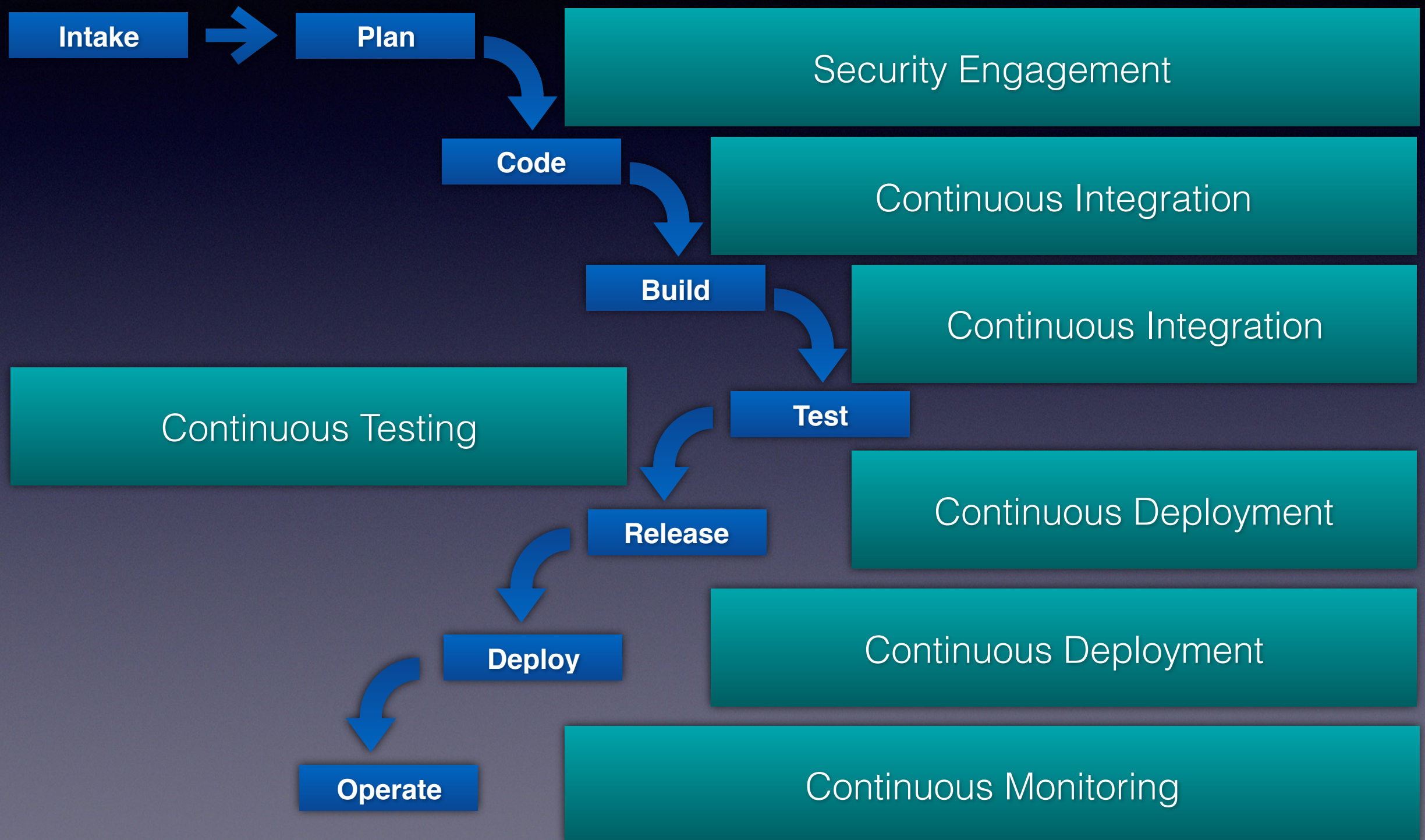
Cloud Native Apps

Technology Changes

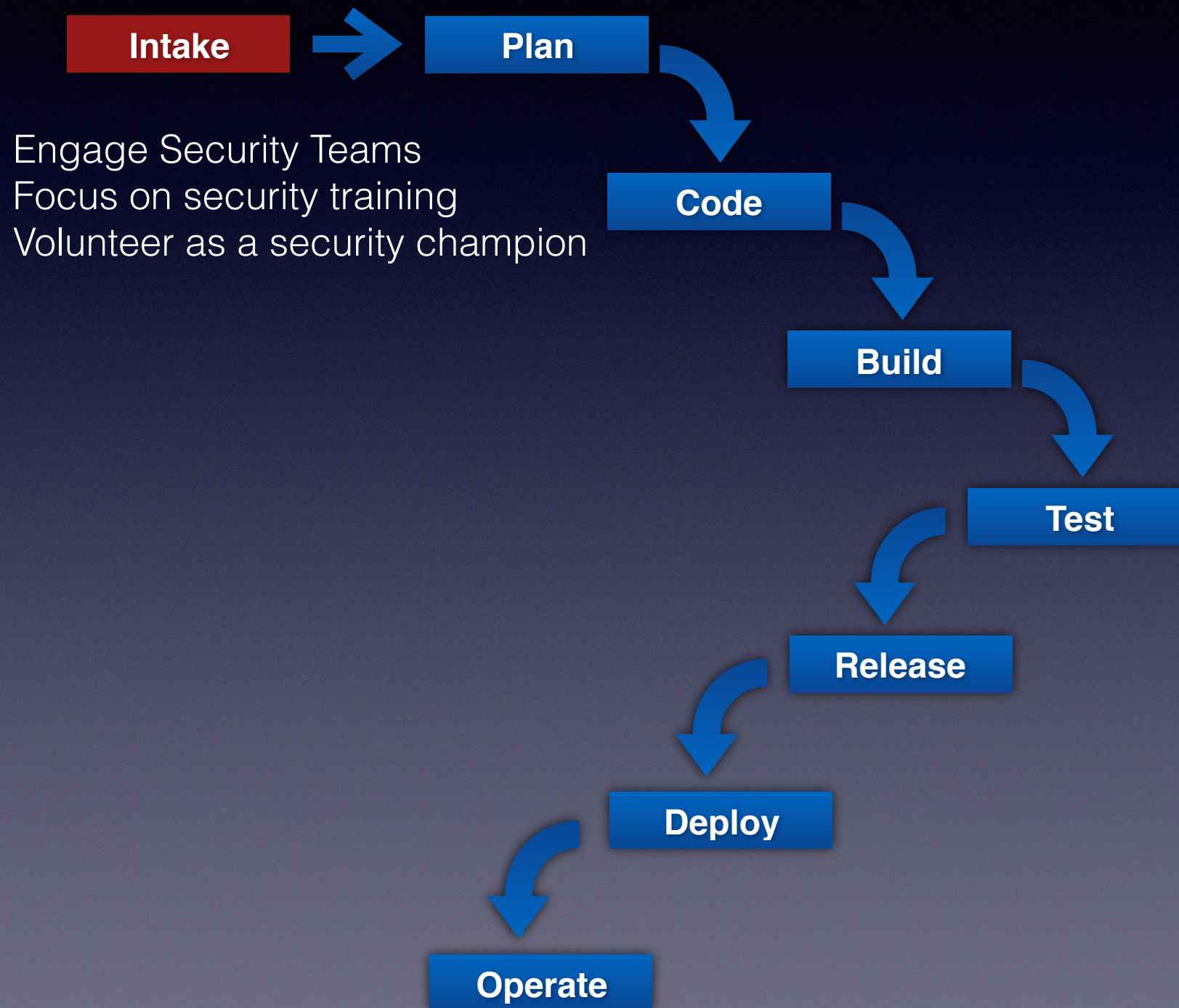
Getting the basics right

- **What** is it that I am trying to protect? - Data and Asset Classification
- **Where** are my crown jewels? - Asset Discovery
- **Who** can access my data? - Logical and Network Access
- **How** and **When**? - Logging and Monitoring

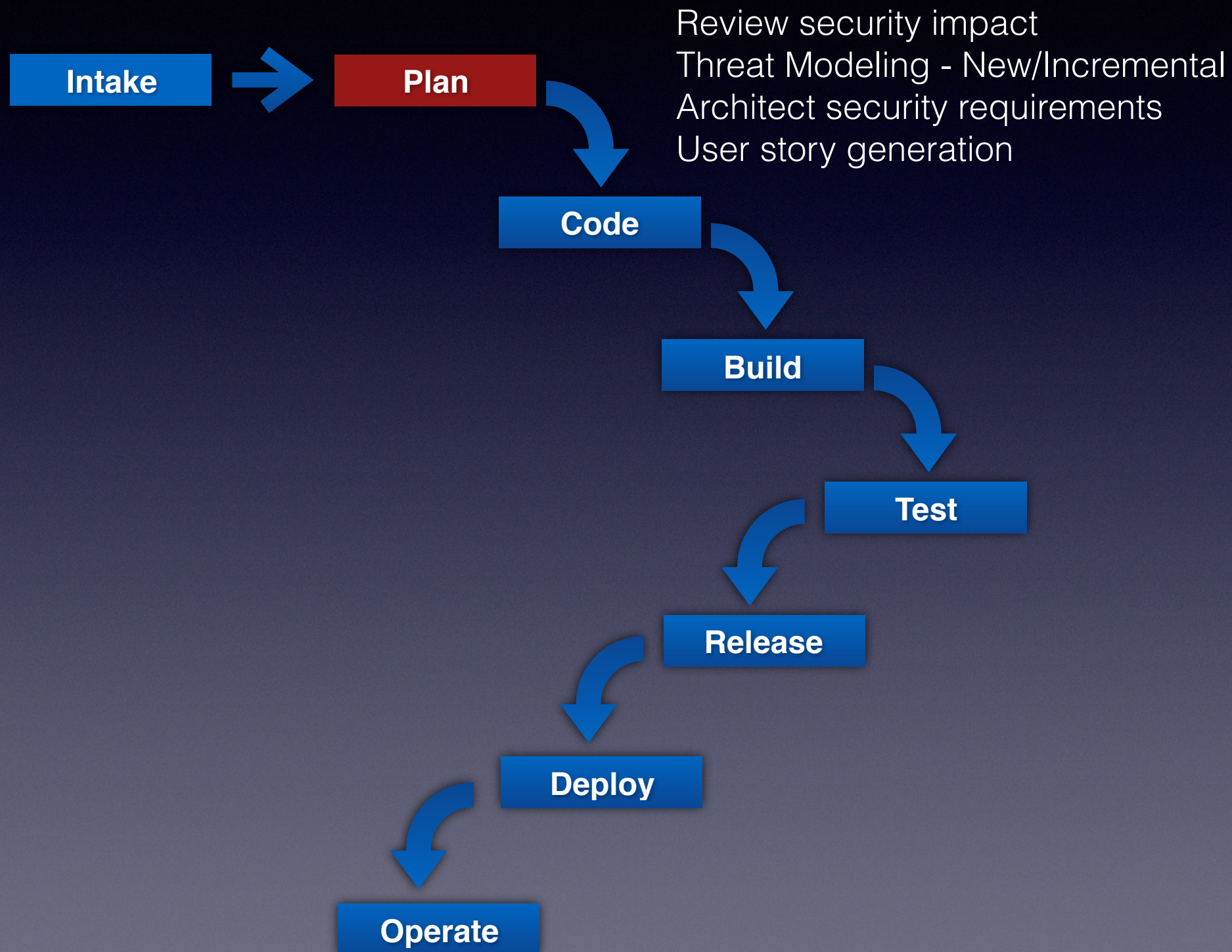
Security within DevOps



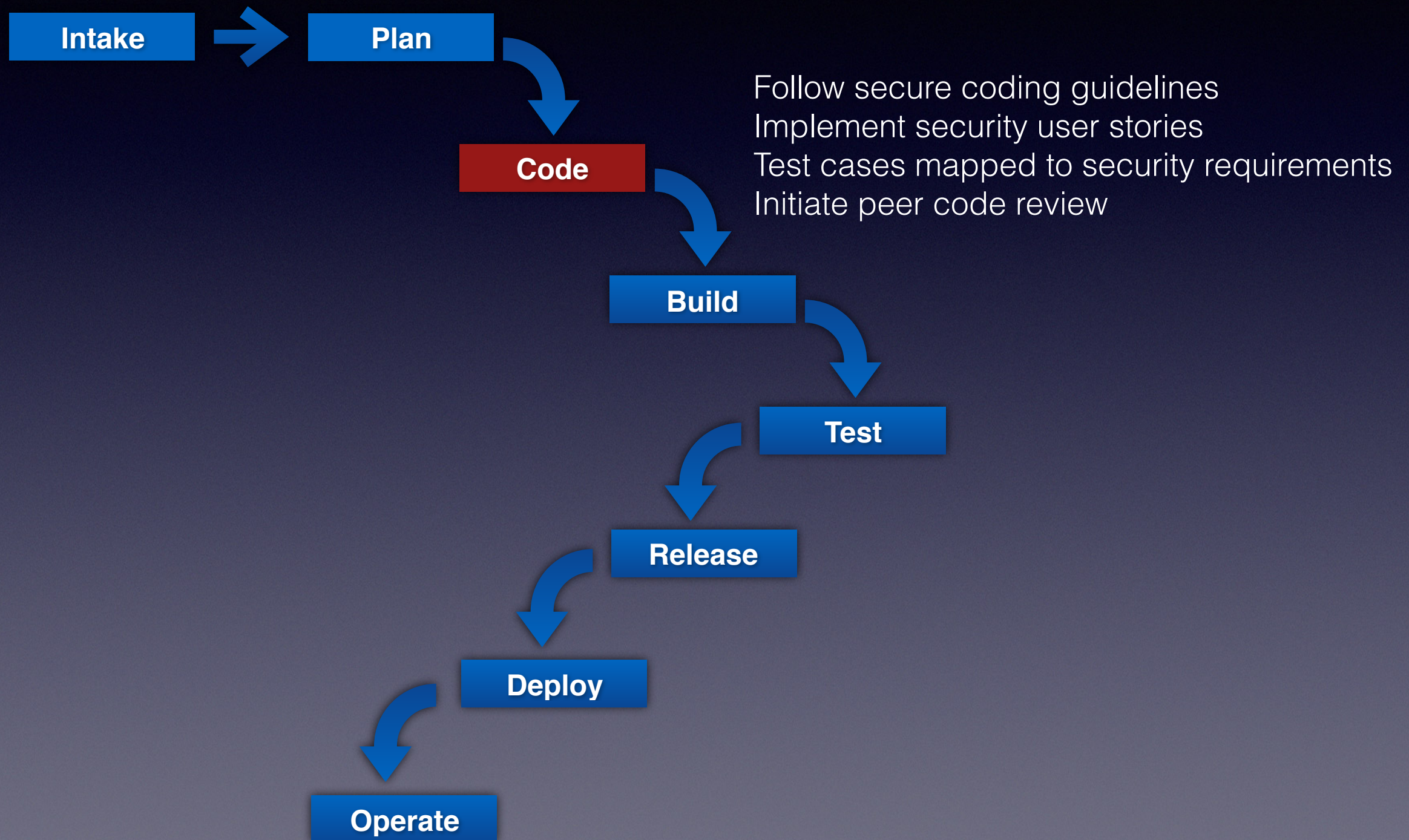
Security within DevOps



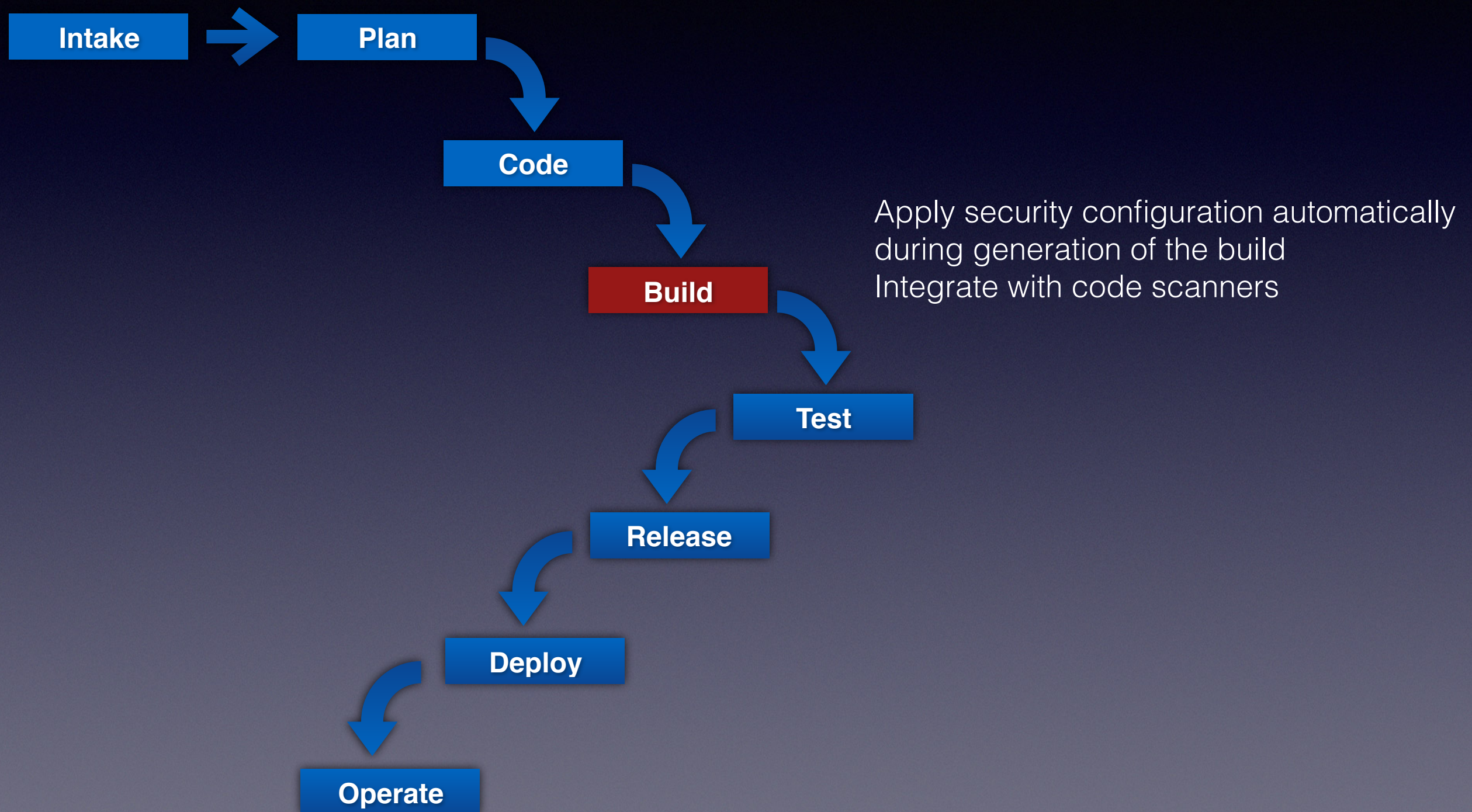
Security within DevOps



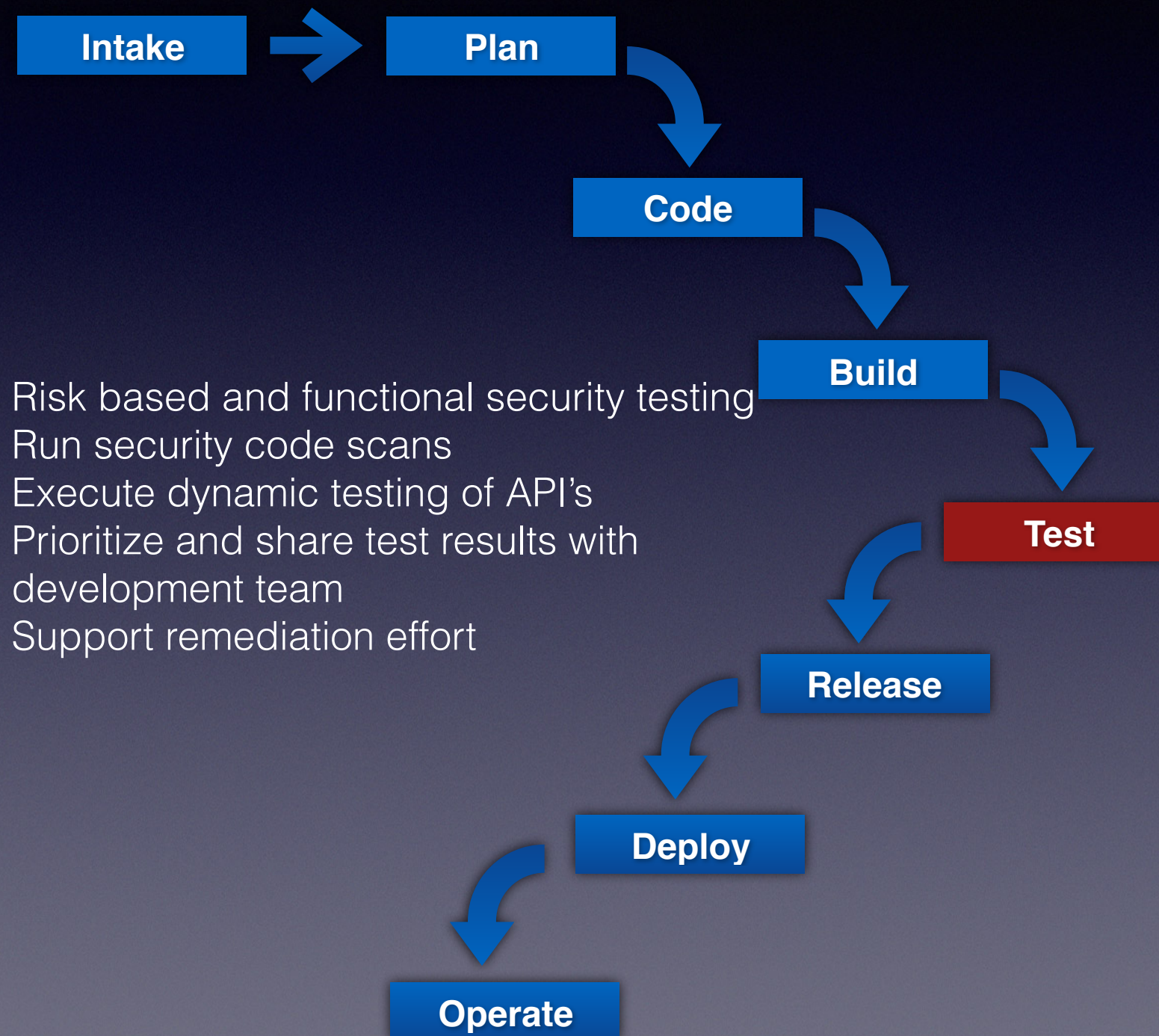
Security within DevOps



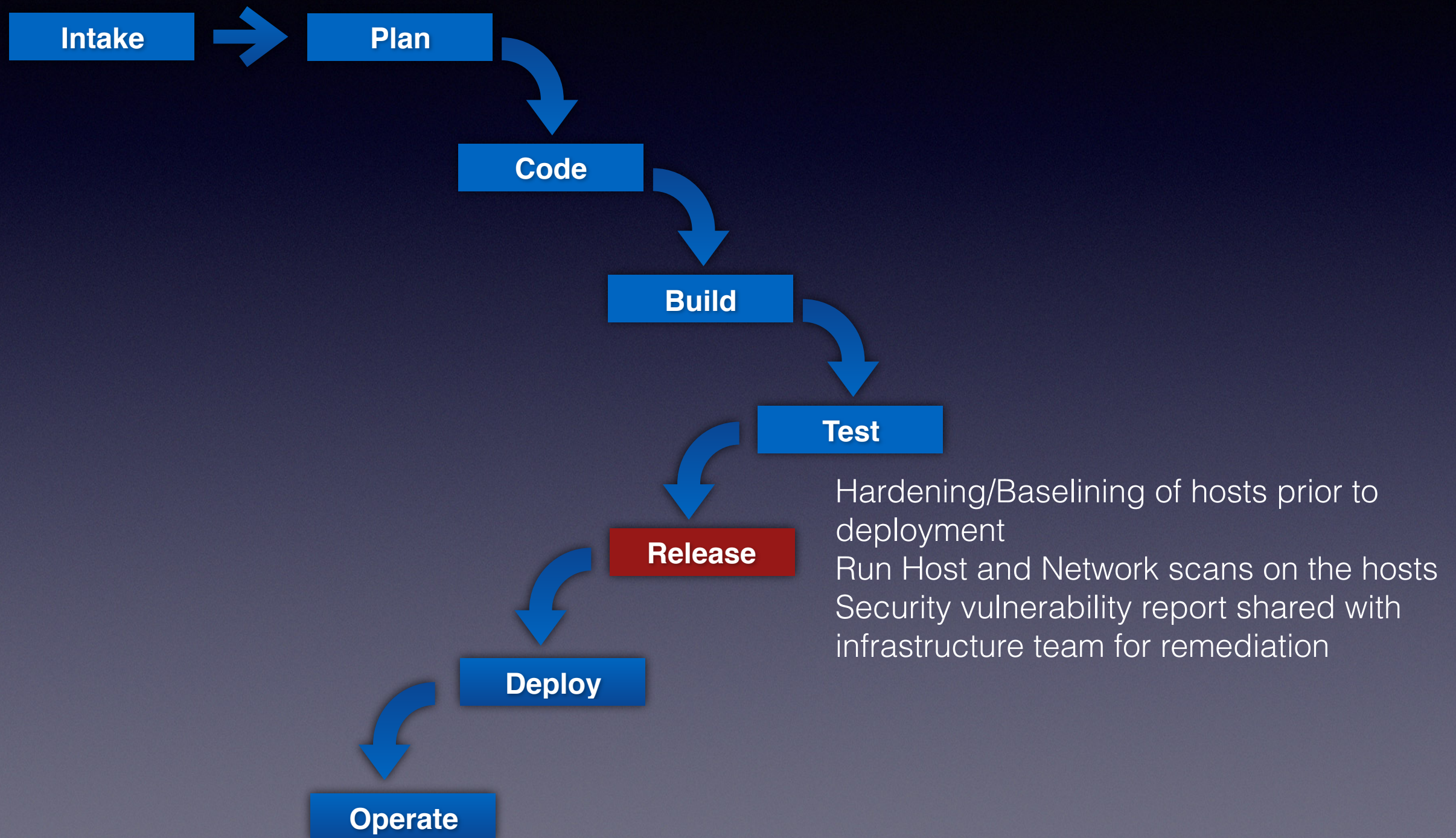
Security within DevOps



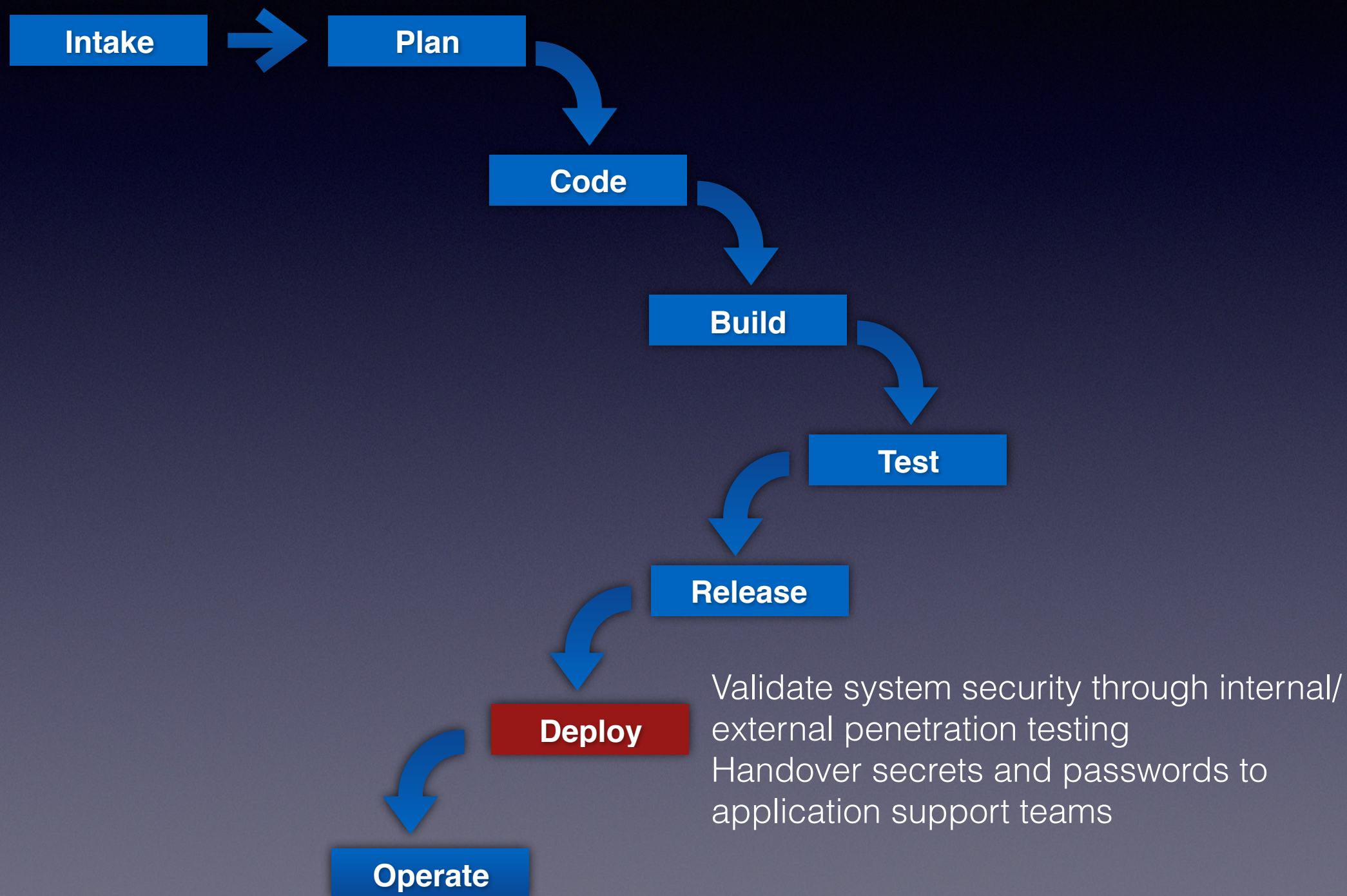
Security within DevOps



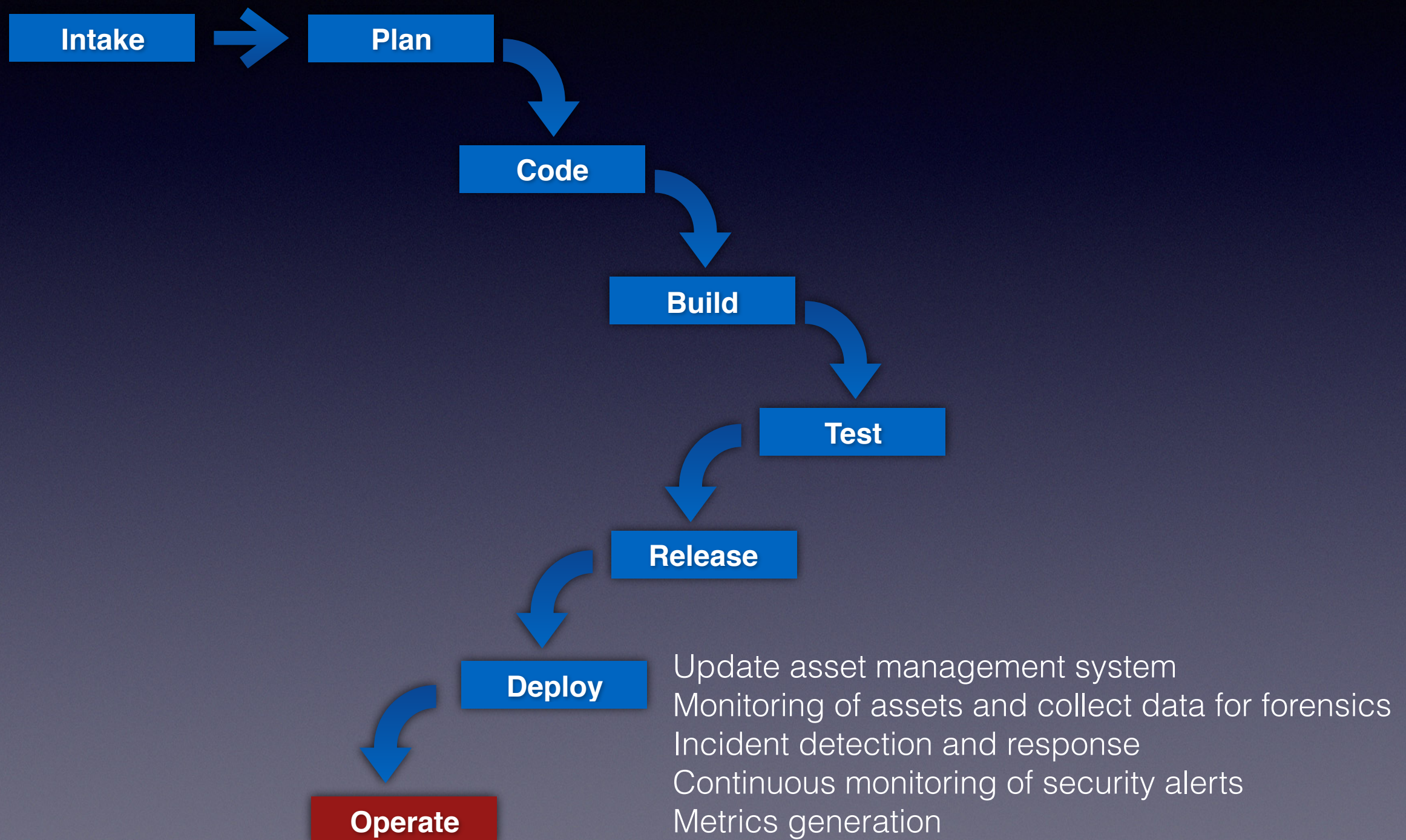
Security within DevOps



Security within DevOps



Security within DevOps



“Agile is a way of working for DevOps.....
.....and security is an essential part of it ”

Thank you