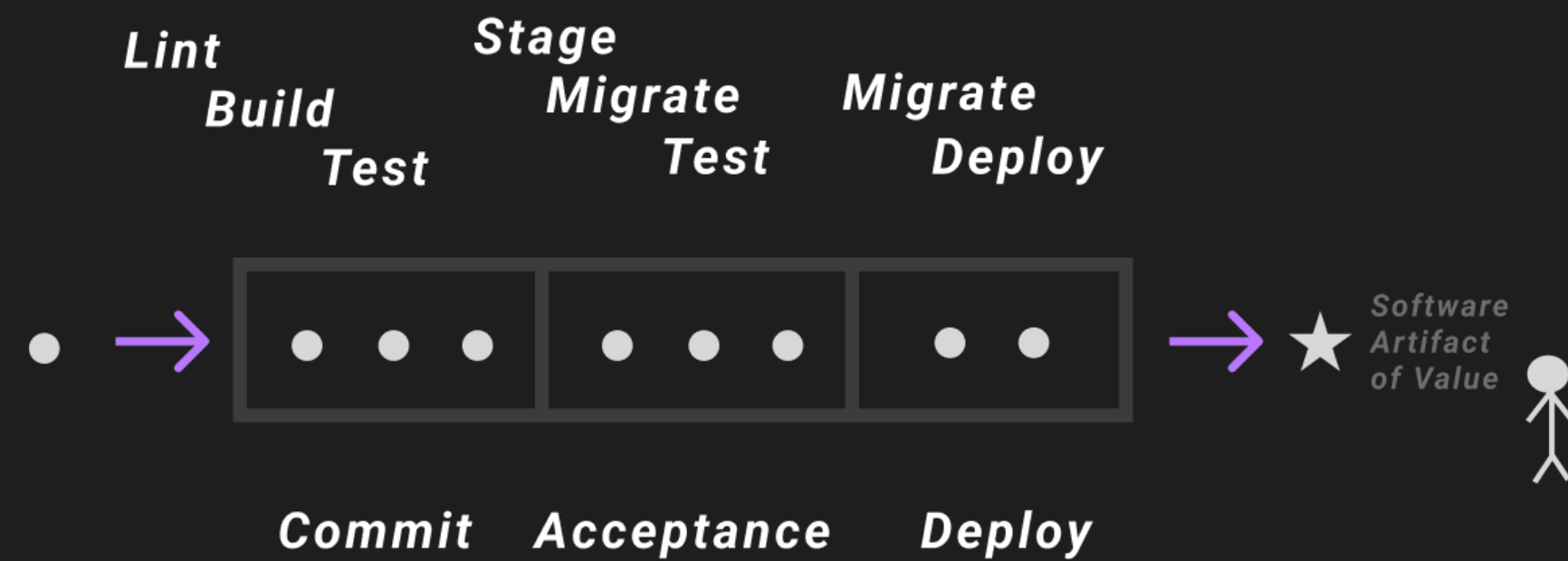




# Physical Essential: Deployment & Delivery



**Physical Essential**

# Deployment & Delivery

*We really don't want to ship negative value to our users.*

*And if we're working with others, we don't want to tolerate low quality code either.*

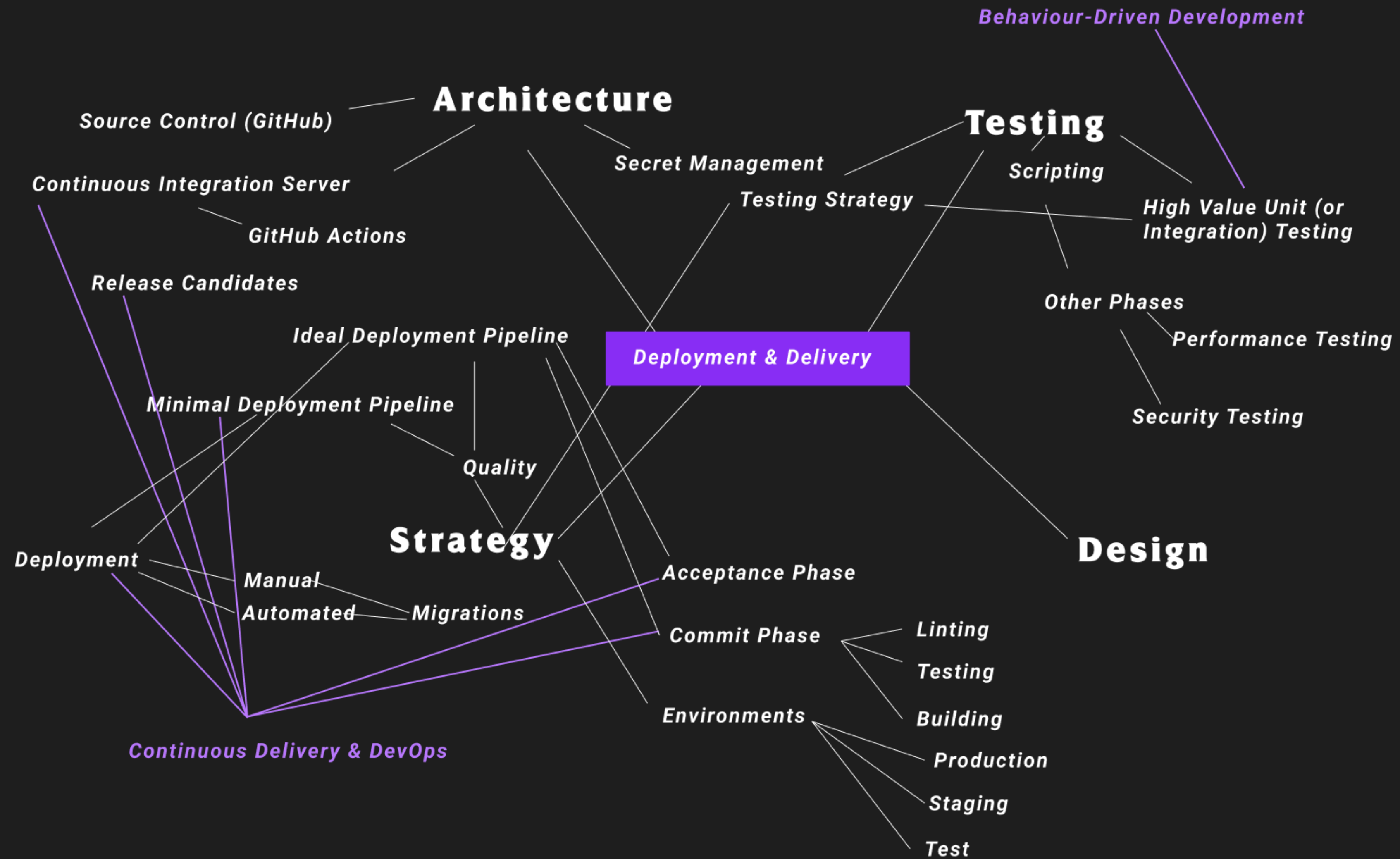
*Deployment & delivery is about creating a deployment pipeline through which our software must pass before it lands in the hands of users.*

*This is done by introducing quality phases which run our tests.*

*While we can introduce any number of phases, the minimum ones we need are the Commit & Deploy ones.*

*The Acceptance Phase is also important, as it runs our tests in a production-like environment and gives us the most confidence that our code does what the customer asked for.*

*We can also add other phases over time, optimize, tune and refine the pipeline to be more stable, fast, and improve the overall quality of the software we ship.*



from the theoretical

### Incoming Adapter

Can the system be reached? Do the correct operations get called when a request is made?

Acceptance Test

Executable Specification

Protocol Driver

System API Contract

## The Physical Guess Points

The “How”

### System (E2E)

Does the system do what the customer asked for? Does the entirety of the system work together? Do all the architectural components work together?

Features

Stories

Acceptance Criteria

Examples

### Application

Do the internals of the system do the right things when we perform scenarios and edge cases? Are internals being called properly? Does the app call the right external services and attempt to save at the right times?

Features

Stories

Acceptance Criteria

Examples

### Stateful (Domain Modelling)

...

Are we accurately modelling the business logic and the heart of the domain?  
Does the application enforce business rules?

### Outgoing Adapter

...

### Stateless

Do my functions work correctly?

...

...

Can I reach the external services? Do they work the way I intend? Am I properly integrated with them? Do they persist data properly?

### Deployment & Delivery

Can I deploy to production? Does my deployment pipeline mitigate negative value? Does it enforce a code standard?

...

...

### Execution

Are users using the feature? Are they using it the way we intended?

...

...

# Where we'll learn more