

# Docker Enterprise in DevOps Context

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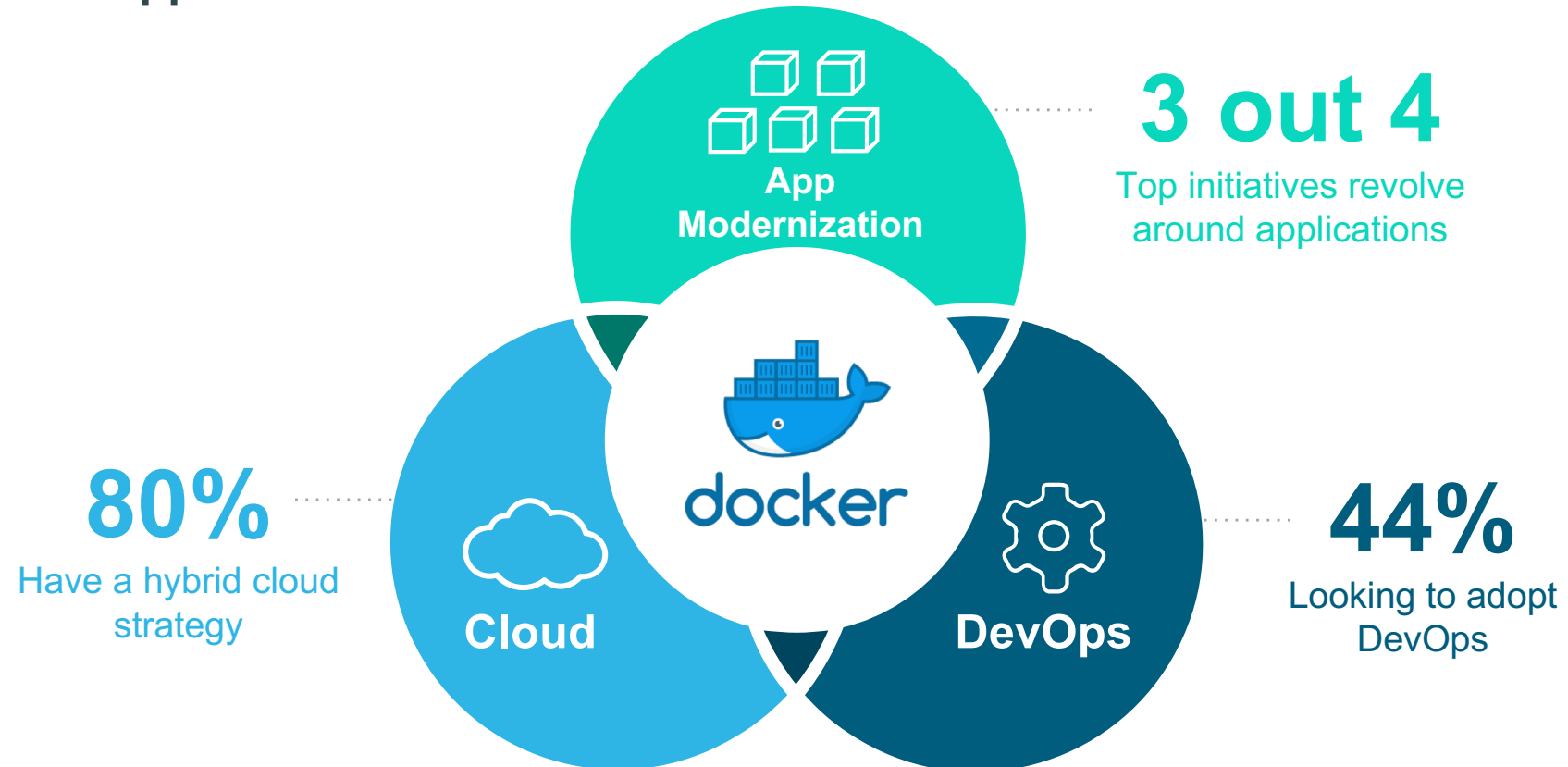


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## Agenda

- Docker Momentum
- Docker Enterprise Overview
- CICD / Software Secure Supply Chain Demo
- Q&A

## Modern Application Initiatives



# Evolution of the Docker Platform

A project spun out of a PaaS

2013

Developer  
Community

Need to experiment  
and innovate with  
leading edge tech

At **PyCon 2013** Solomon Hykes shows **Docker** to the public for the first time.



Source - <https://www.youtube.com/watch?v=wW9CAH9nSLs>



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## Evolution of the Docker Platform

Many purposes, users and infrastructure

Today

### Developer Community

Need to experiment and innovate with leading edge tech

### Ops Community

Need a predictable system to deploy and run apps

### Enterprise

Run business critical apps at scale anywhere

### Partner Ecosystem

Extend and add value to a platform with a shared path to monetization

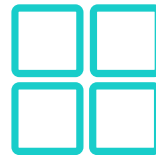


# Docker Momentum in the Last Year



**1M+**

New  
Developers



**1M+**

New  
Applications



**1B**

Container Downloads  
Every 2 Weeks

# So what is the point.....

- **Lightweight**

*Lower CPU, memory, storage util. Faster start, stop, scale.*

- **Higher Density**

*Less infra, management, lower costs.*

- **Deployment Abstractions (via orchestration)**

*Scaling, HA, health-checks, rolling upgrades, blue/green*

- **Application Descriptors**

*Compose, k8s YAML, Helm*

- **Developer Experience**

*Start entire application locally for development*

- **Traditional & Microservices & Serverless & IOT & ...**

- **Portability**



## The Docker Family Tree



- Docker CE Engine
- Docker4Windows
- Docker4Mac



- Docker EE Engine
- Kubernetes / Swarm
- Universal Control Plane
- Distributed Trusted Registry





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## The Secret from Our 500+ Enterprise Customers

Sustainable  
improvement cannot  
come from Container  
**TECHNOLOGY**  
alone.

Sustainable  
improvement requires  
a Containerization  
**STRATEGY...**

Based on an  
enterprise-ready  
Container  
**PLATFORM AND  
SERVICES.**



# Docker Enterprise Capabilities



Certification and Support

Integrated App and Cluster Management

Optimized Container Engine

Certified Containers

Certified Plugins

Application Composition, Deployment and Reliability

Policy Management

Secure Access and User Management

Application and Cluster Management

Image Scanning and Monitoring

Content Trust and Verification

Image Management

Security

Network

Volumes

Distributed State

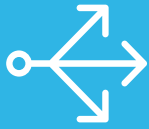
Container Runtime

Orchestration

Certified Infrastructure



## Only Docker Enterprise Gives Global 2000 Customers the Following:



### Choice

- Hybrid and multi-clouds
- Windows and Linux
- Traditional apps and microservices
- DevOps and existing ops processes



### Security

- Safer apps
- Governance
- Chain of custody
- Threat mitigation

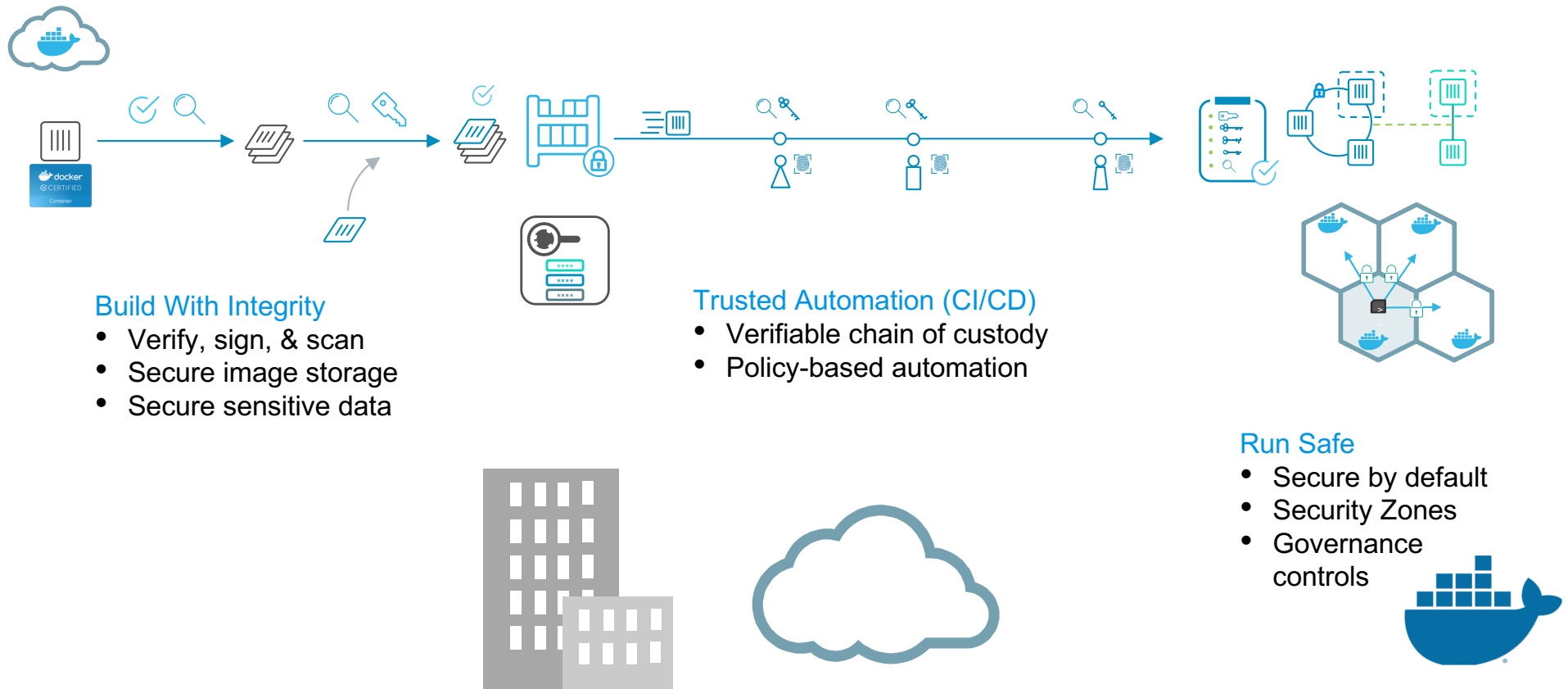


### Agility

- Unified operations
- Rapid delivery and response
- Cost efficiency

## SECURITY

# Docker EE Secures the End-to-End Software Supply Chain for both Swarm and Kubernetes

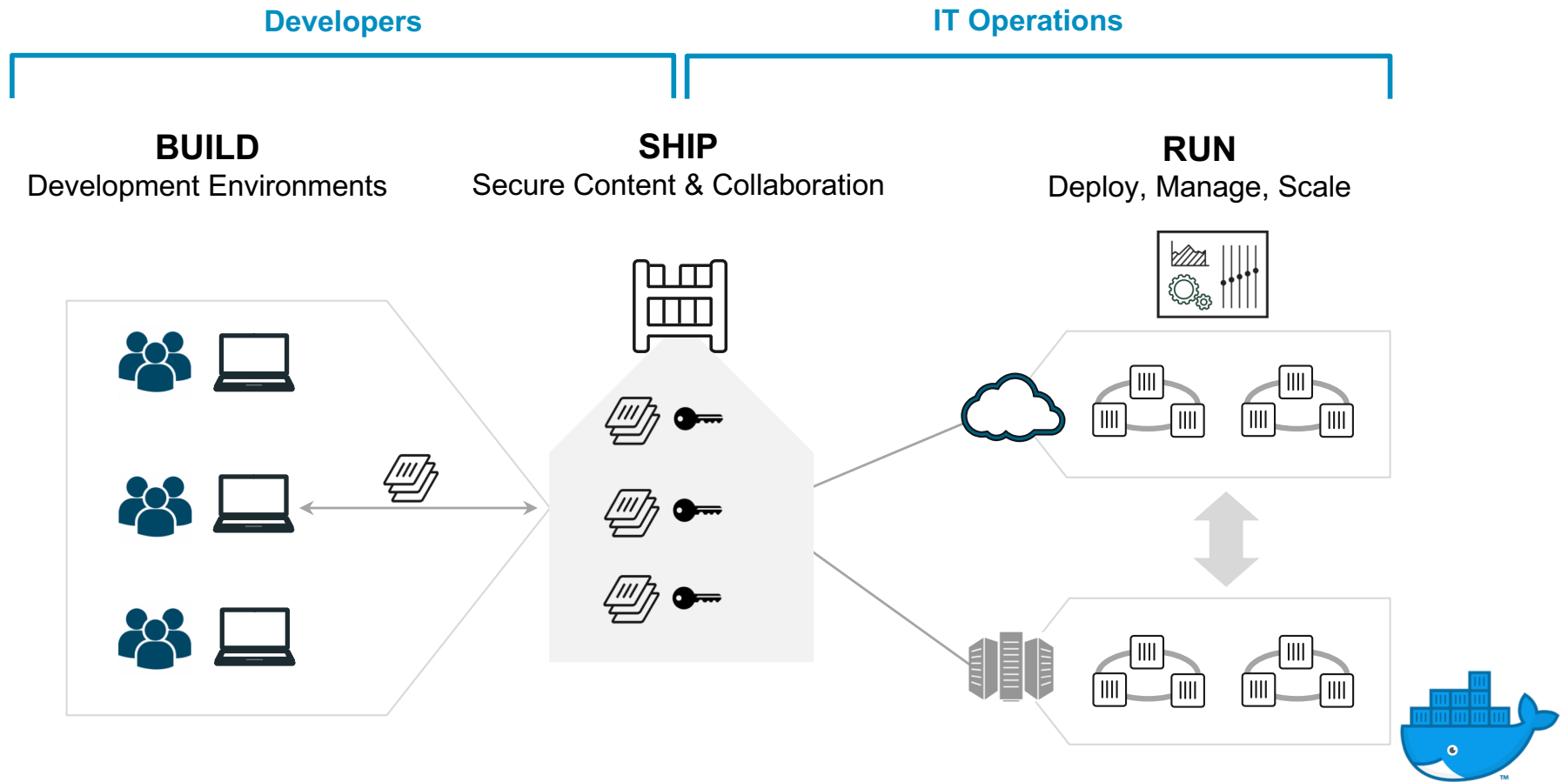




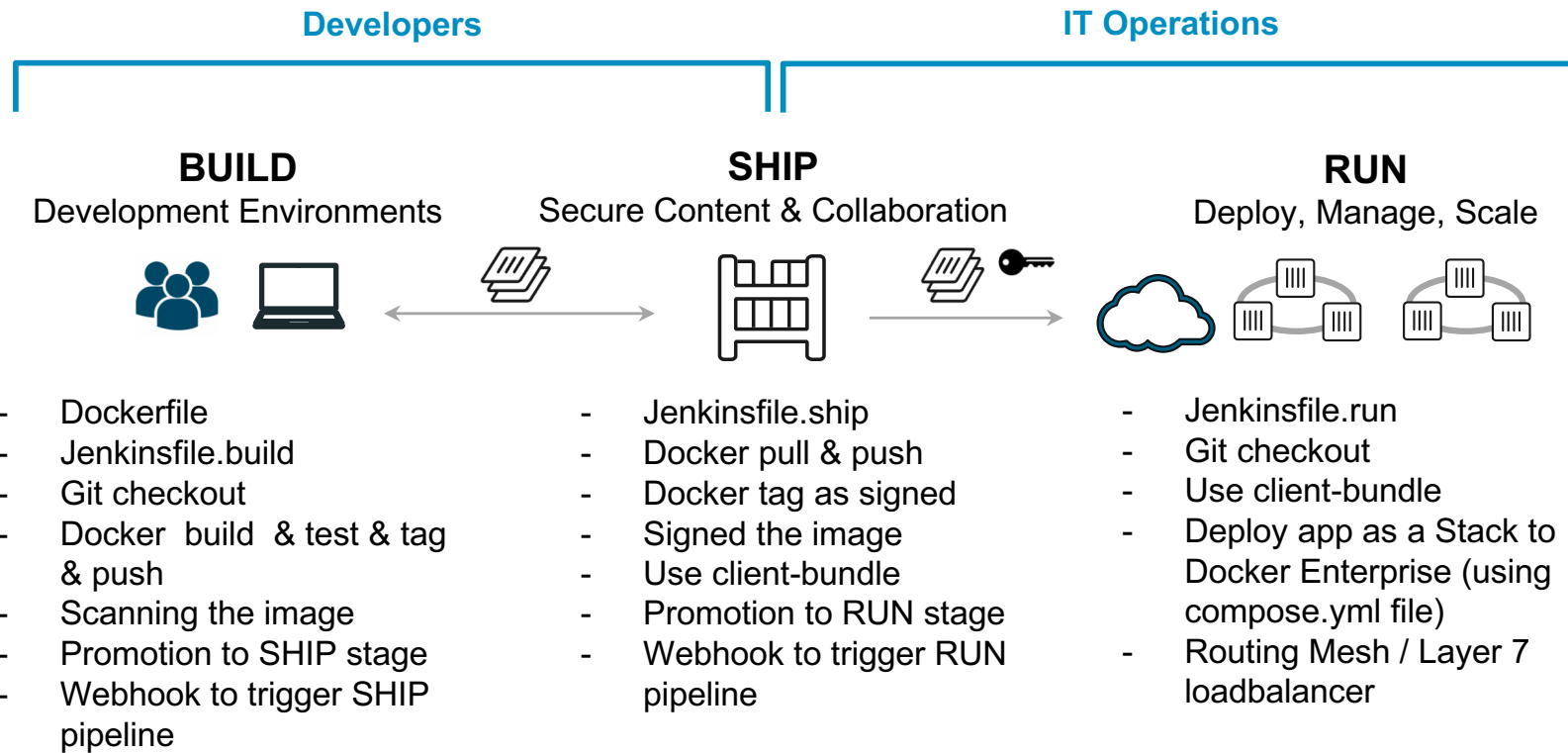
## Continuous Integration / Delivery Overview

- Continuous Integration (CI)
  - Build iteratively and test software automatically and regularly
  - Develop cohesive & defense software & innovate more rapidly
- Continuous Delivery (CD)
  - Make defined & automated releases or delivers into the target environment
- End to End automated CI/CD process reflects the maturity of an organization's development processes

# The Docker CI/CD Workflow

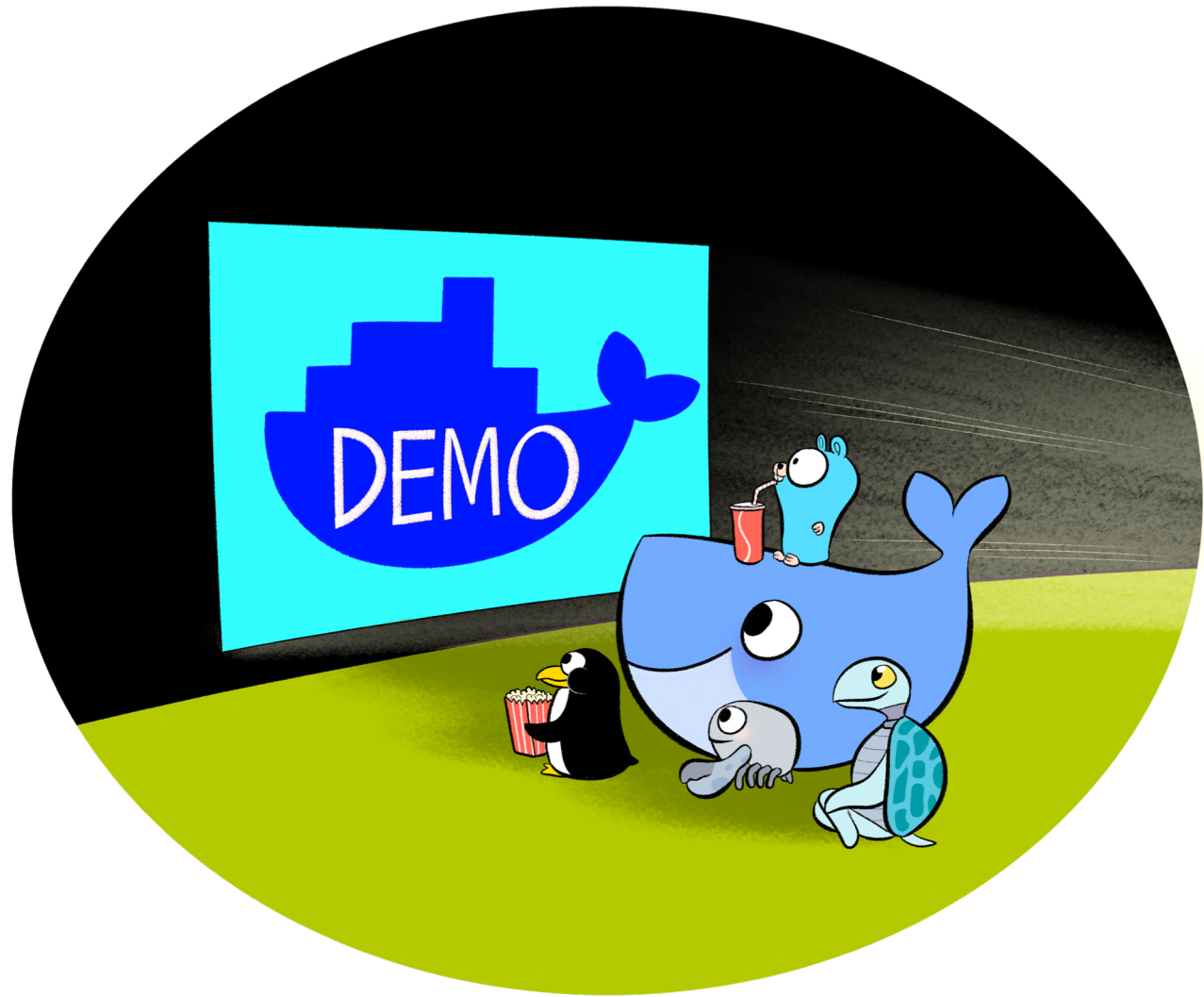


# The Docker Enterprise CI/CD Demo Workflow



*Demolab powered by:*







# CHOISE

# AGILITY



# SECURITY

# DEVOPS

THANK YOU :)

**START TO INOVATE NOW**

GET IN TOUCH: [INNOVATE@DOCKER.COM](mailto:INNOVATE@DOCKER.COM)