

# How Cloud Native Improves & Ensures Security, Governance, and Trust in Finance

@ Financial Services Institutions

Darran Rice & Coté

VMware Tanzu

July 11<sup>th</sup>, 2023



A portrait of Darran Rice, a man with short brown hair and blue eyes, wearing a dark suit jacket over a light blue and white striped button-down shirt. He is smiling slightly and looking directly at the camera.

**Darran  
Rice**

A portrait of Coté, a man with a full grey beard and mustache, wearing black-rimmed glasses and a blue and white plaid button-down shirt over a dark t-shirt. He is smiling slightly and looking directly at the camera.

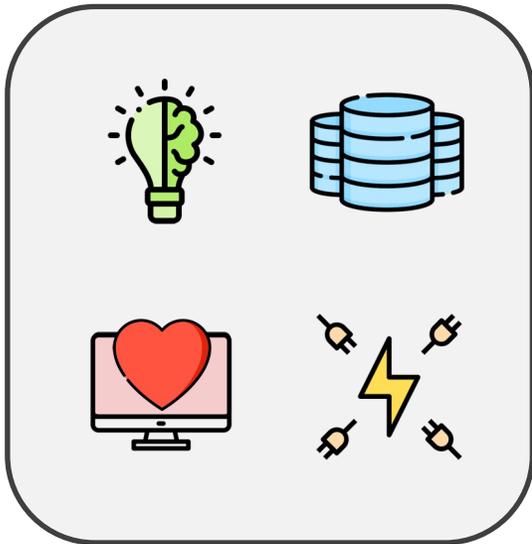
**Coté**

# Why security is important at financial institutions?



# From monoliths to cloud native apps

## Monolith

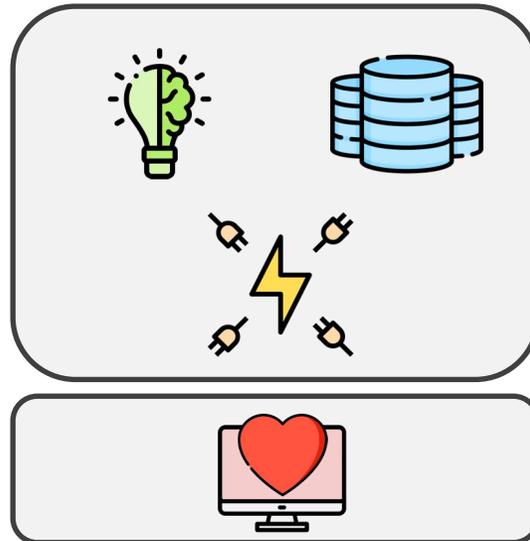


All components in one runtime.

All processing takes place in that runtime.

No network reliance.

## Client Server



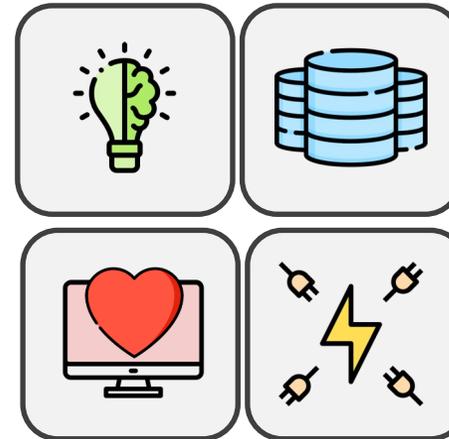
Access components run in client runtime.

All other app components run in one runtime.

Processing takes place in client and in app component runtime.

Client to Server communications over network.

## N-Tier

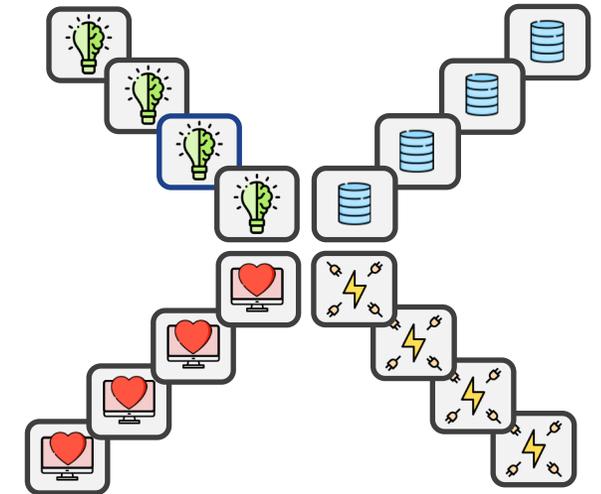


Each component in separate runtime.

Processing takes place in each runtime.

Components communicate over a network.

## Cloud Native



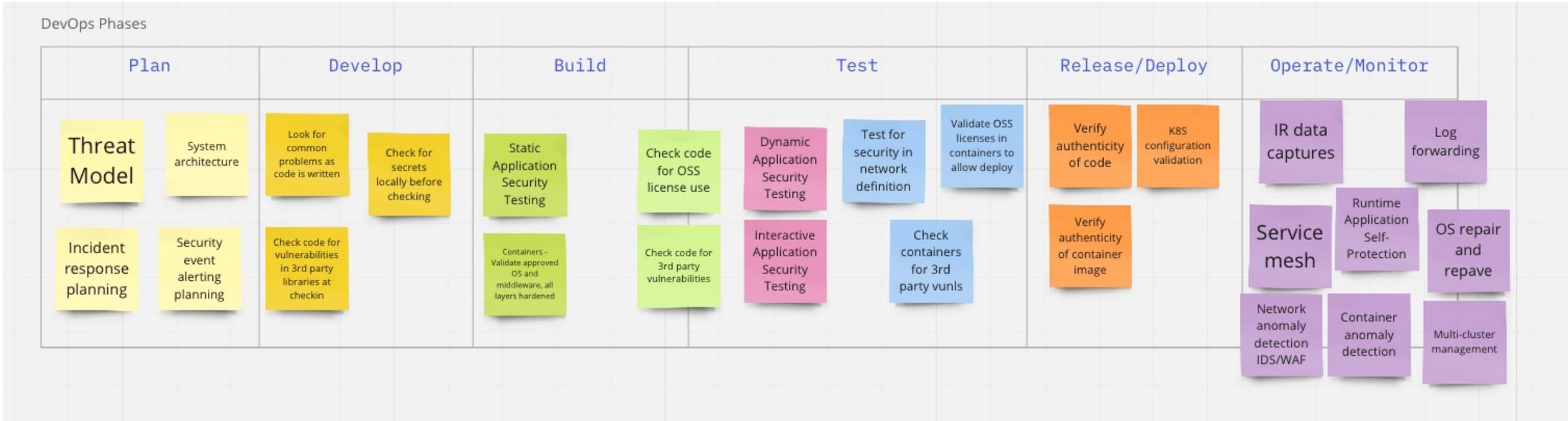
Each component broken down into services all running in own runtime.

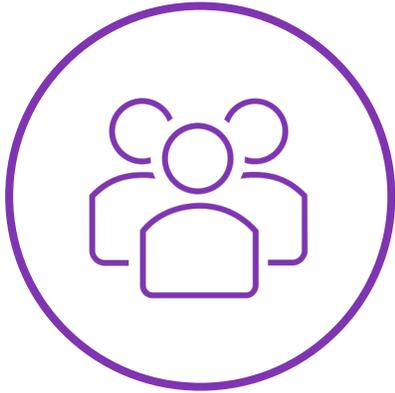
Processing takes place in individual runtime.

High network dependency for all components to communicate over network.

# To secure cloud native apps, “shift left” security work & verification

It’s not just dumping responsibility on developers, it’s collaborating on security earlier





Access Control  
&  
Data Handling

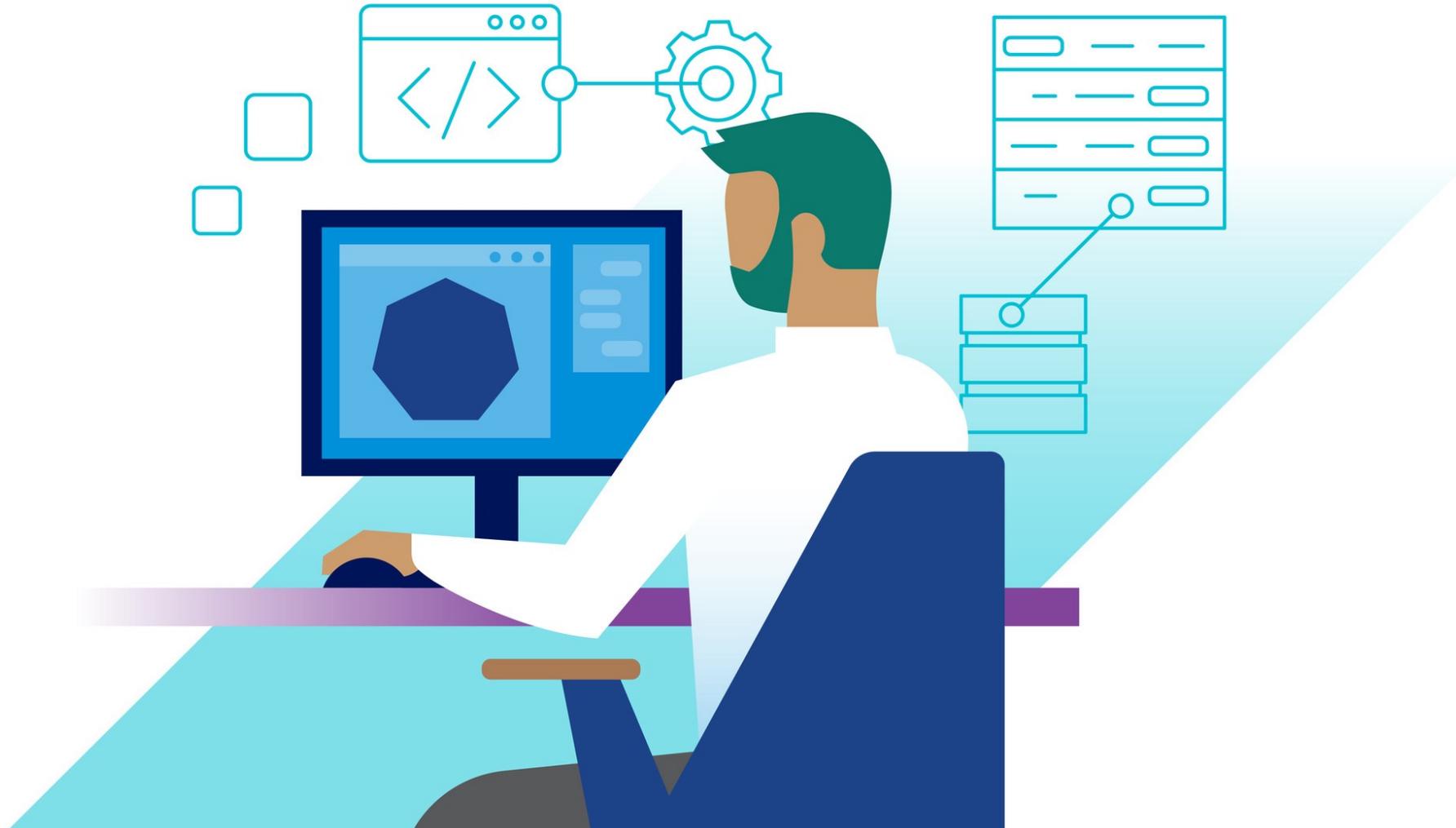


Policy Templates  
&  
Guardrails



Continuous  
Demonstration  
of  
Compliance

# Access Control and Data Handling



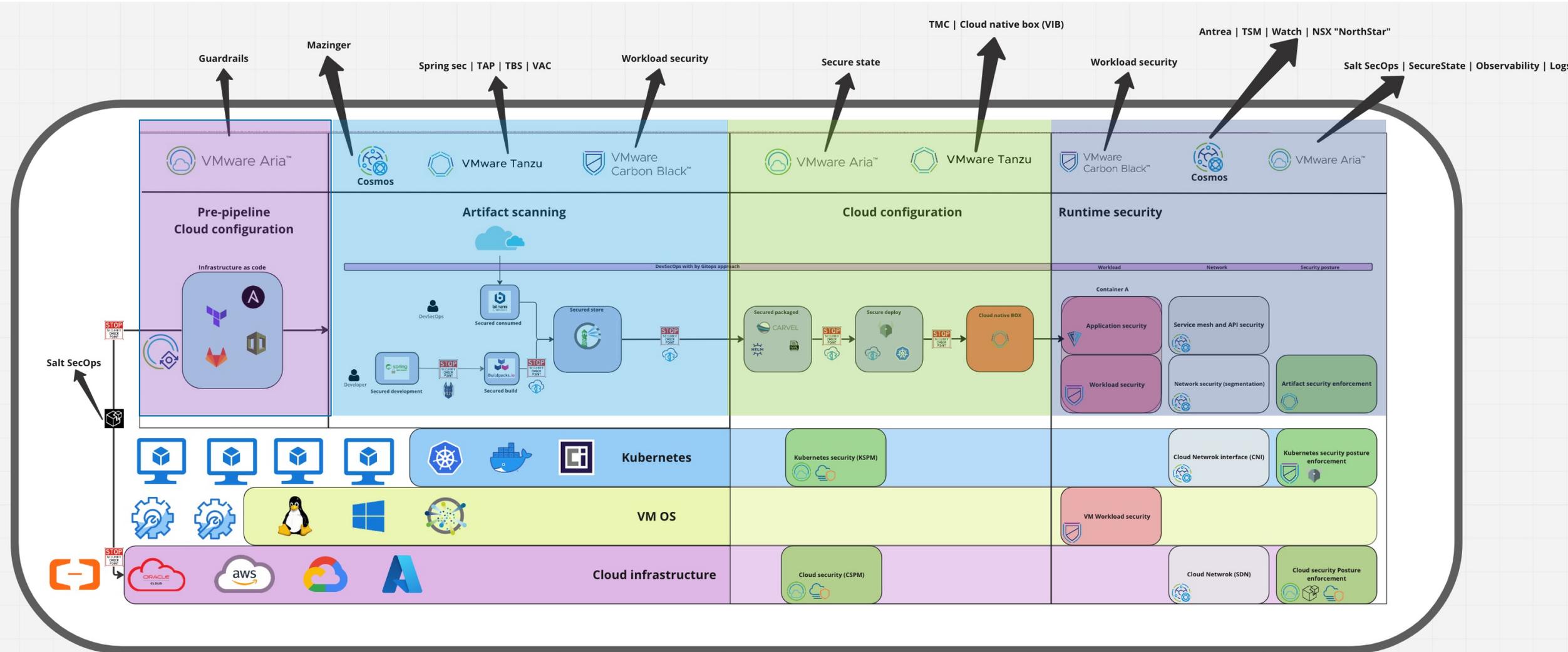
# Policy Templates & Guardrails



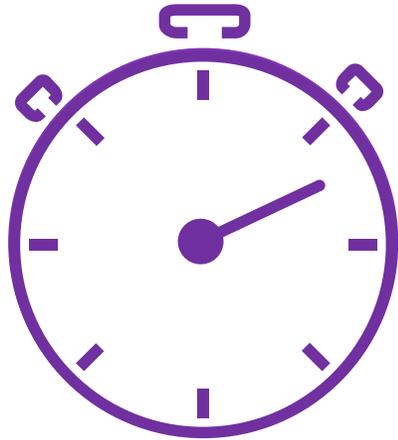
# Continuous Demonstration of Security and Compliance



# Cloud Native Application Security & Compliance the VMware Way



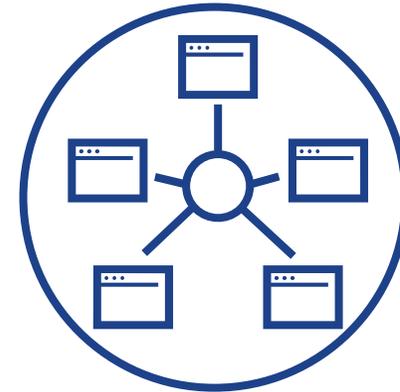
## Next Steps...



Ask how much time you spend demonstrating compliance?



Find your unsupported Spring & Java apps



Free one hour consultation to bootstrap your cloud native security plan



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## 11 July: Session 3 – How Cloud Native Improves & Ensures Security, Governance, and Trust in Finance

Hear how banks are using cloud native tools and practices to ensure security and compliance.

