



The bridge to possible

You Want to be the DevOps Champion But You Are Not Freddie Mercury

Eduardo Sebastian, Systems Engineer

@edu_sebast 

Cisco Webex App

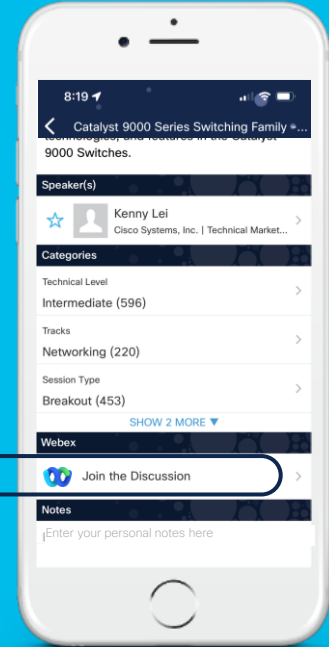
Questions?

Use Cisco Webex App to chat with the speaker after the session

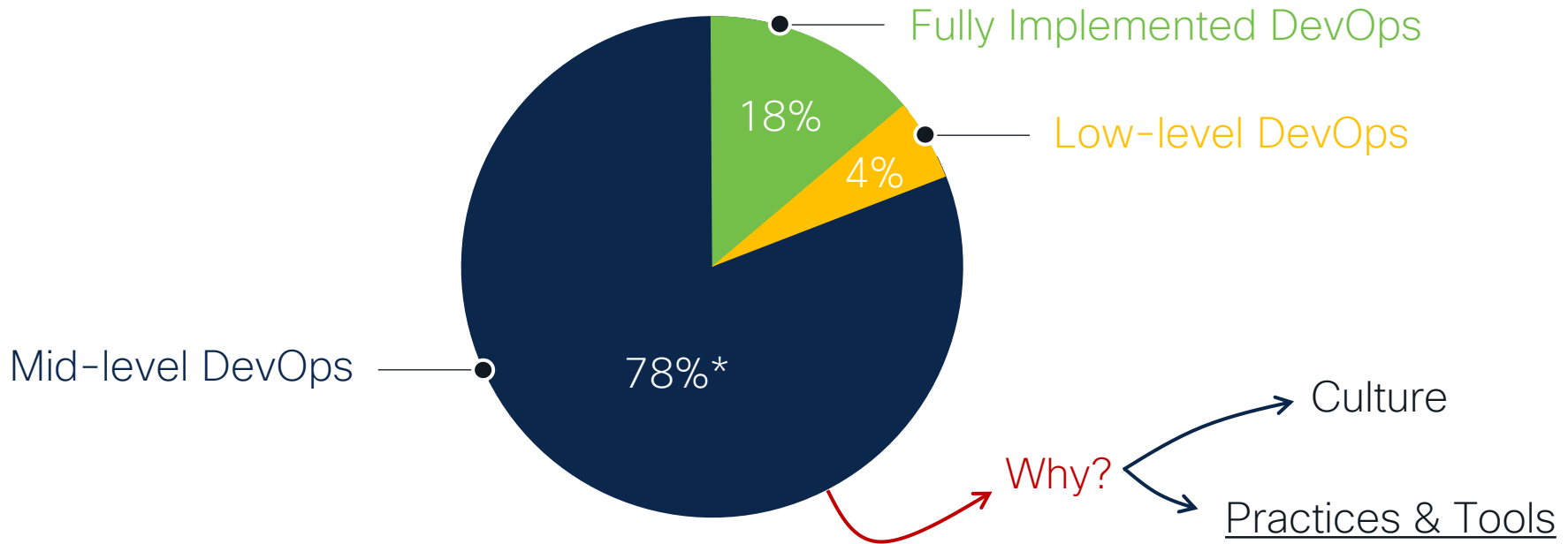
How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated until February 24, 2023.



“Almost” everybody is in the journey towards DevOps



*According to Puppet's 2021 State of DevOps Report



Brian May
Guitar



Freddie Mercury
Vocals & Piano



Roger Taylor
Drums



John Deacon
Bass



ThousandEyes

API Clarity

FUNCTION Clarity

splunk>

git

ANSIBLE



GitHub

Jenkins

API Insights



netes

GitLab

Terraform

Istio

docker

OpenTelemetry



OPENSHIFT

OPEN Clarity

KUBE Clarity

APPDYNAMICS

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Agenda

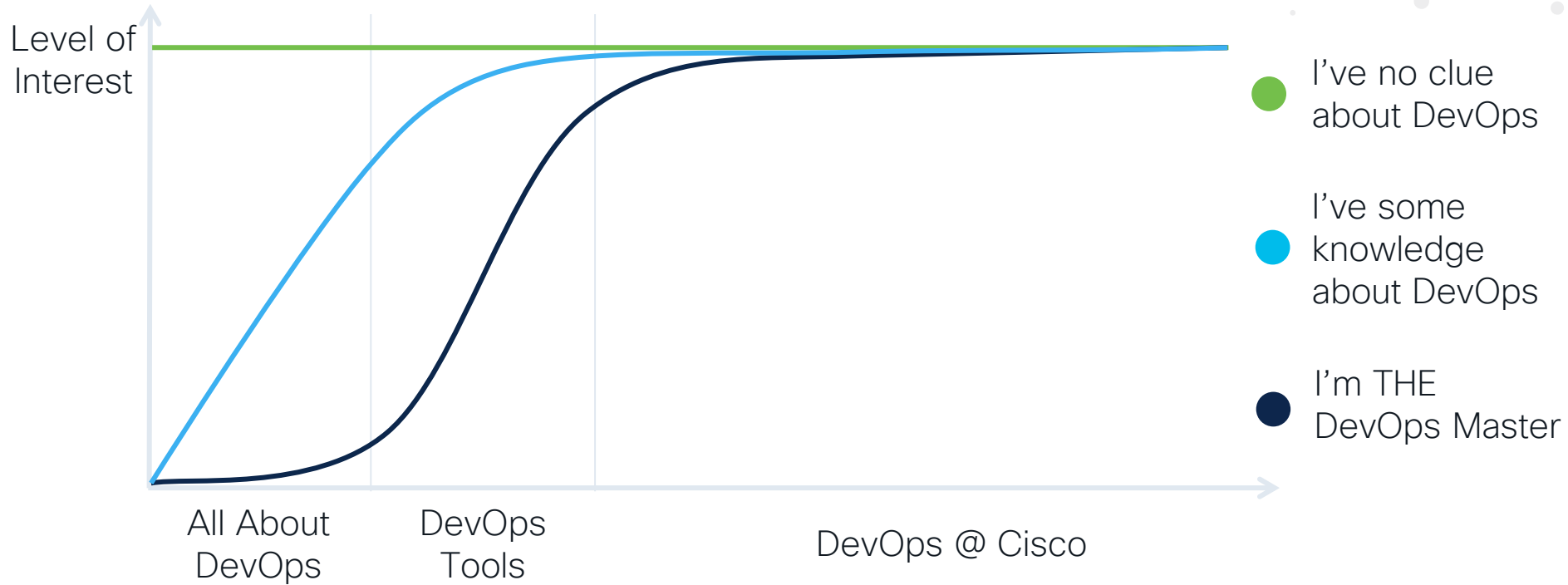
- All about DevOps
- DevOps Tools
- DevOps @ Cisco
 - NetDevOps
 - DevOps
 - DevSecOps



(Not the) Agenda

- DevOps Culture
- Why DevOps
- Technical Deep Dive
- Advanced DevOps Practices
- How to implement DevOps
- NetDevOps Practices

A graph to set the stage

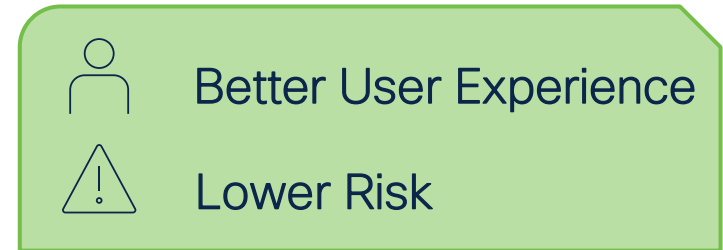
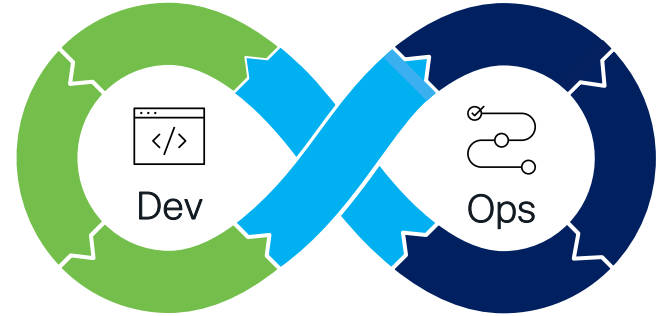
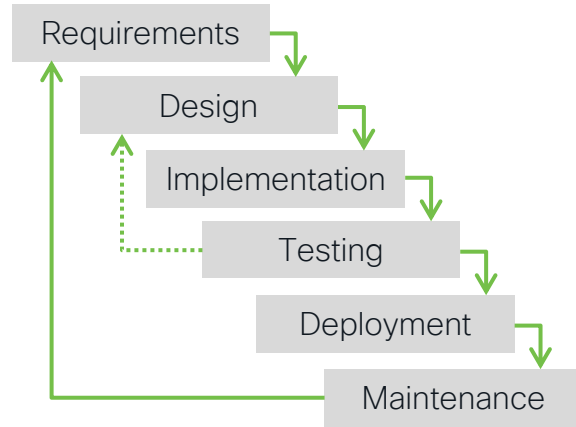




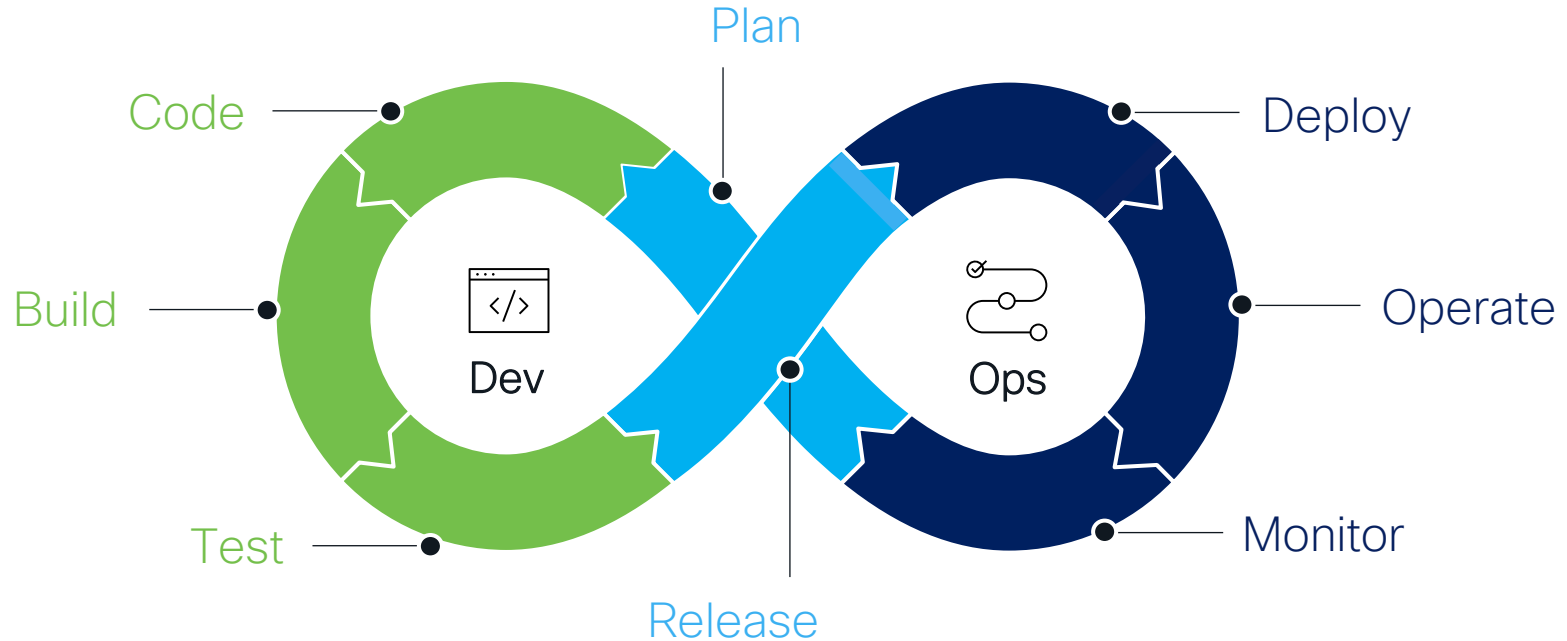
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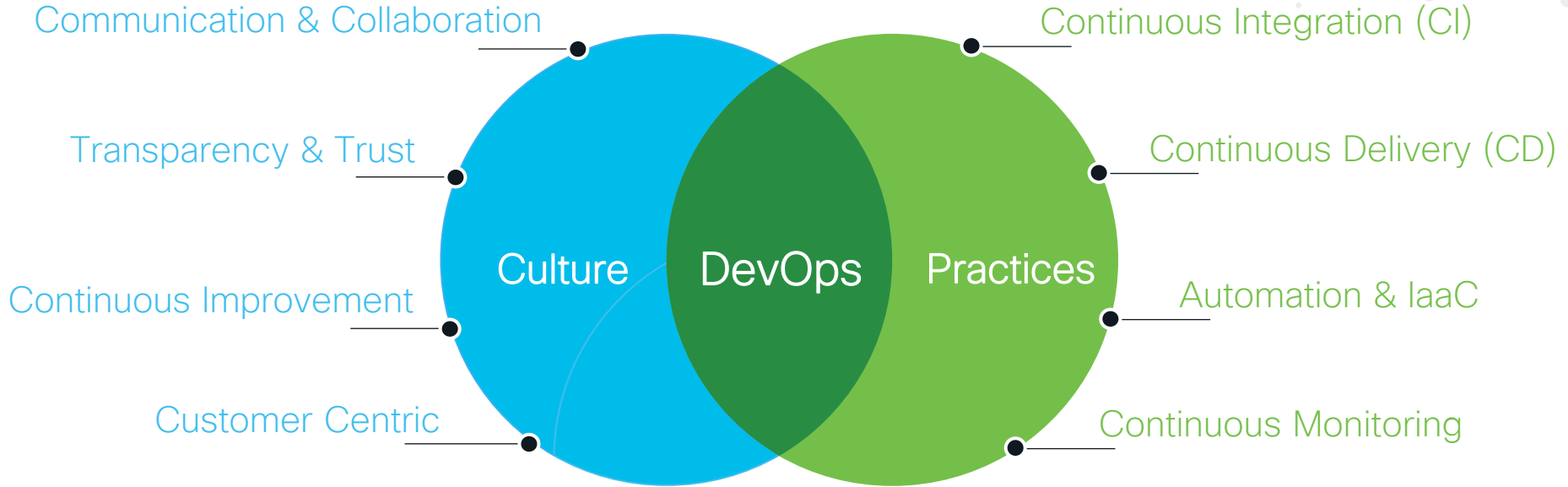
We're coming from a traditional mode of operation



The DevOps Lifecycle

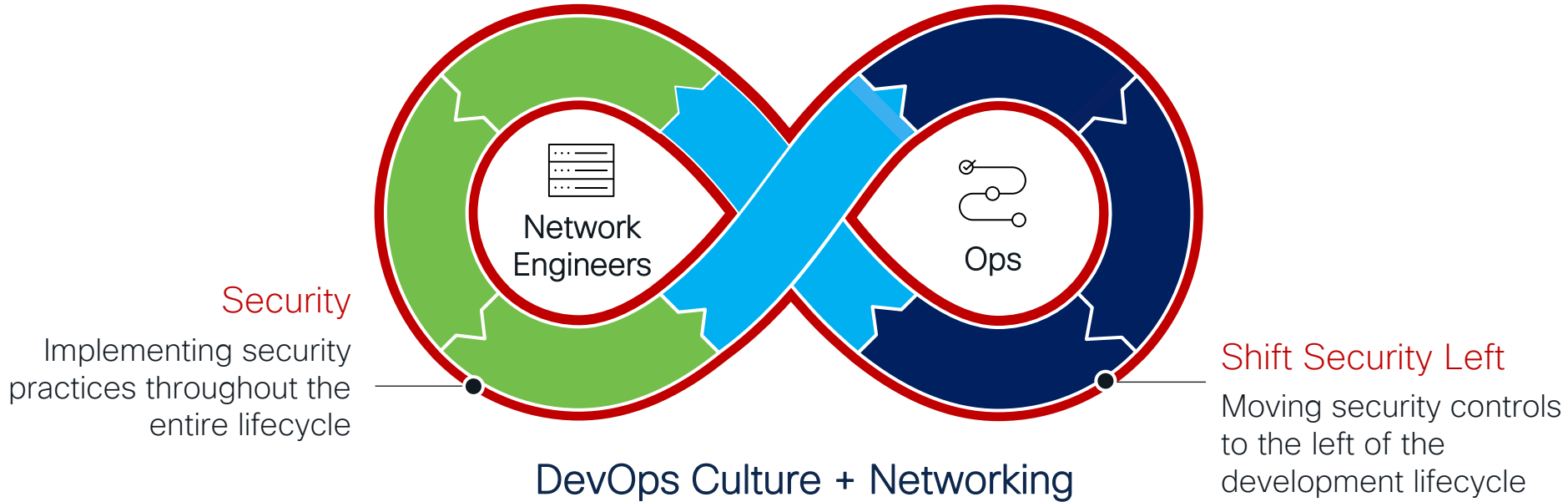


What is really DevOps?



Methodology: DevOps Lifecycle

NetDevOps and DevSecOps Lifecycle





Agenda

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ThousandEyes

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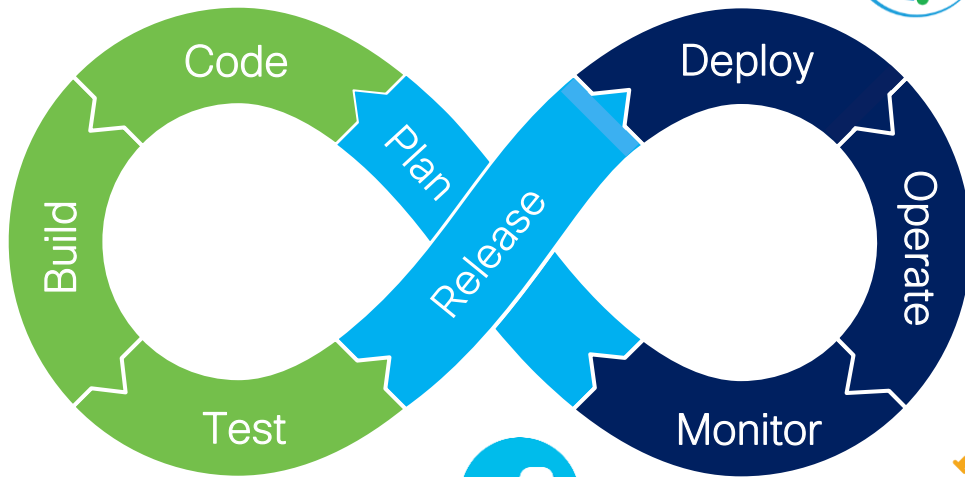
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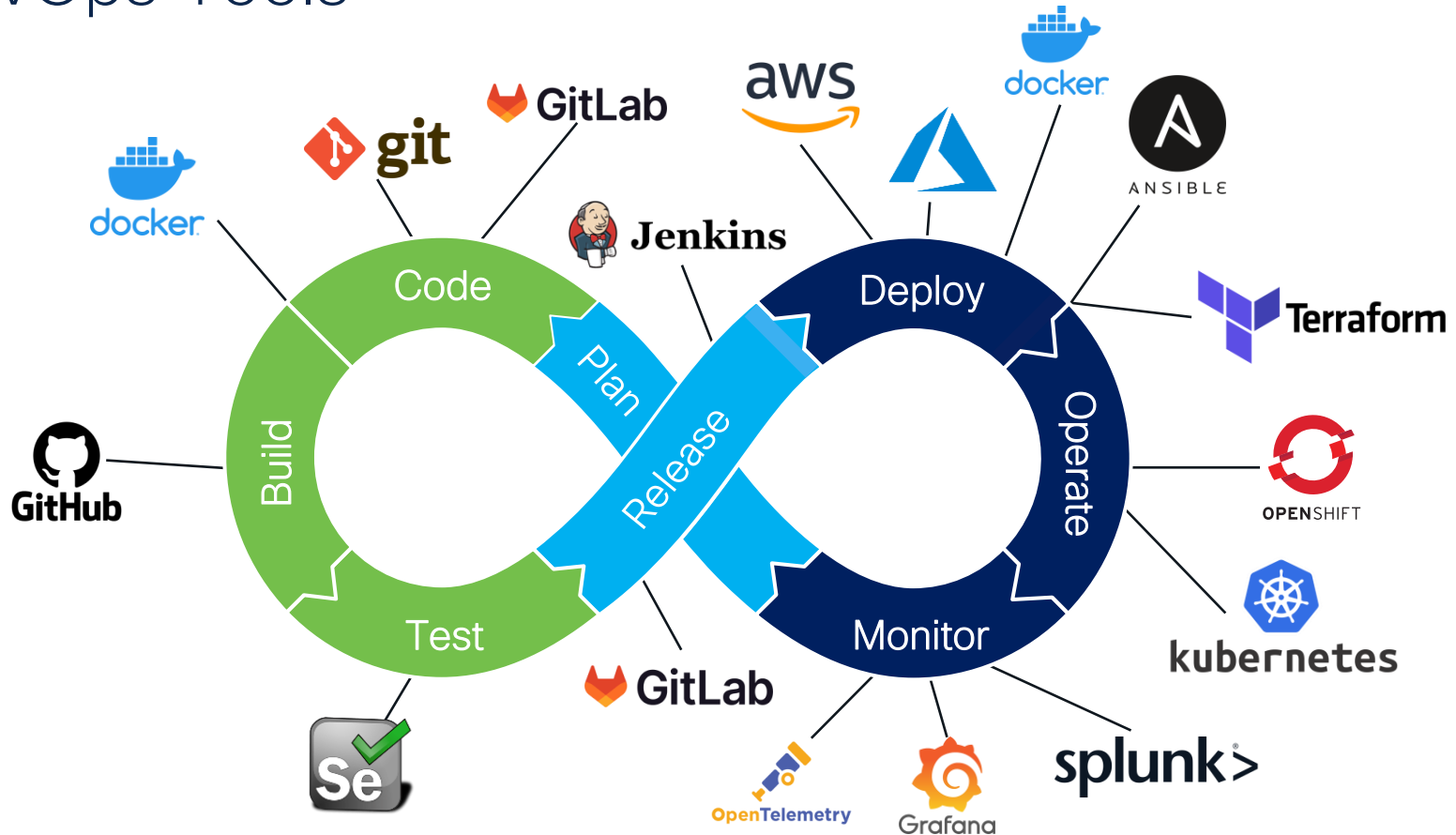
KUBE Clarity

APPDYNAMICS

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DevOps Tools



Database

Streaming & Messaging

Application Definition & Image Build

Continuous Integration & Delivery

Platform

Serverless

Scheduling & Orchestration

Coordination & Service Discovery

Remote Procedure Call

Service Proxy

API Gateway

Service Mesh

Cloud Native Storage

Observability and Analysis

Monitoring

Automation & Configuration

Container Registry

Security & Compliance

Key Management

Provisioning

Kubernetes Certified Service Provider

Kubernetes Training Partner

Certified CNFs

CNCF Landscape (landscape.cncf.io)
+ 1,000 tools!



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Tools at Cisco



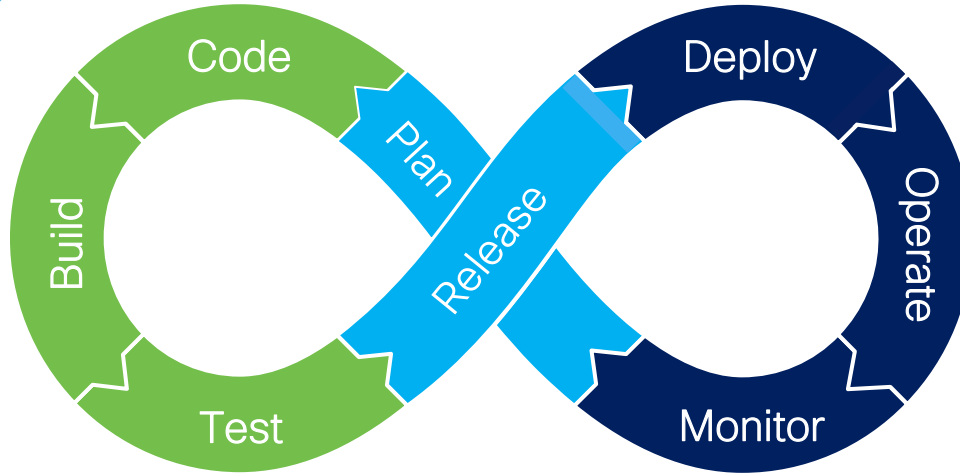
OPEN Clarity



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Nexus Dashboard



KUBE Clarity



FUNCTION Clarity

API Clarity



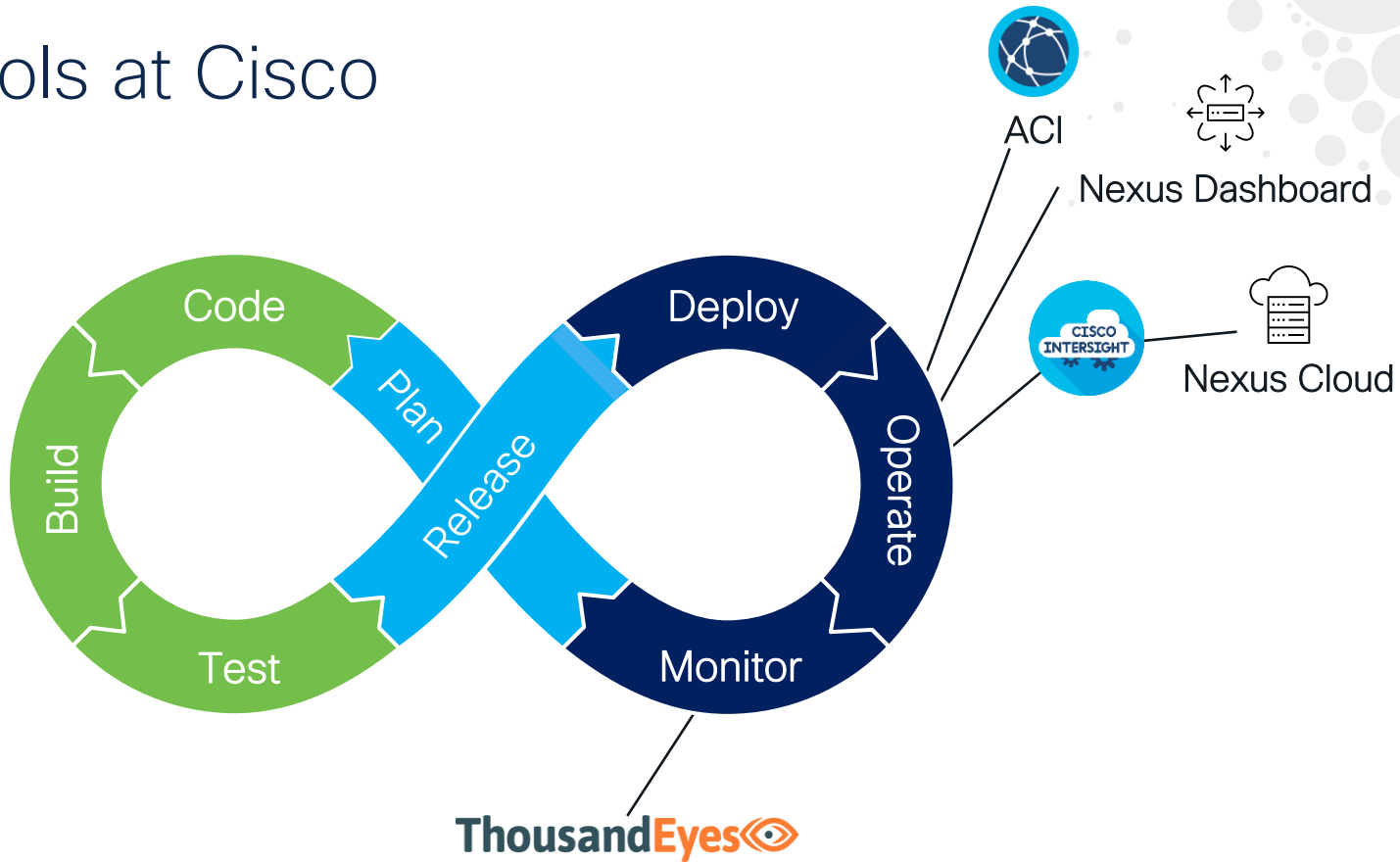
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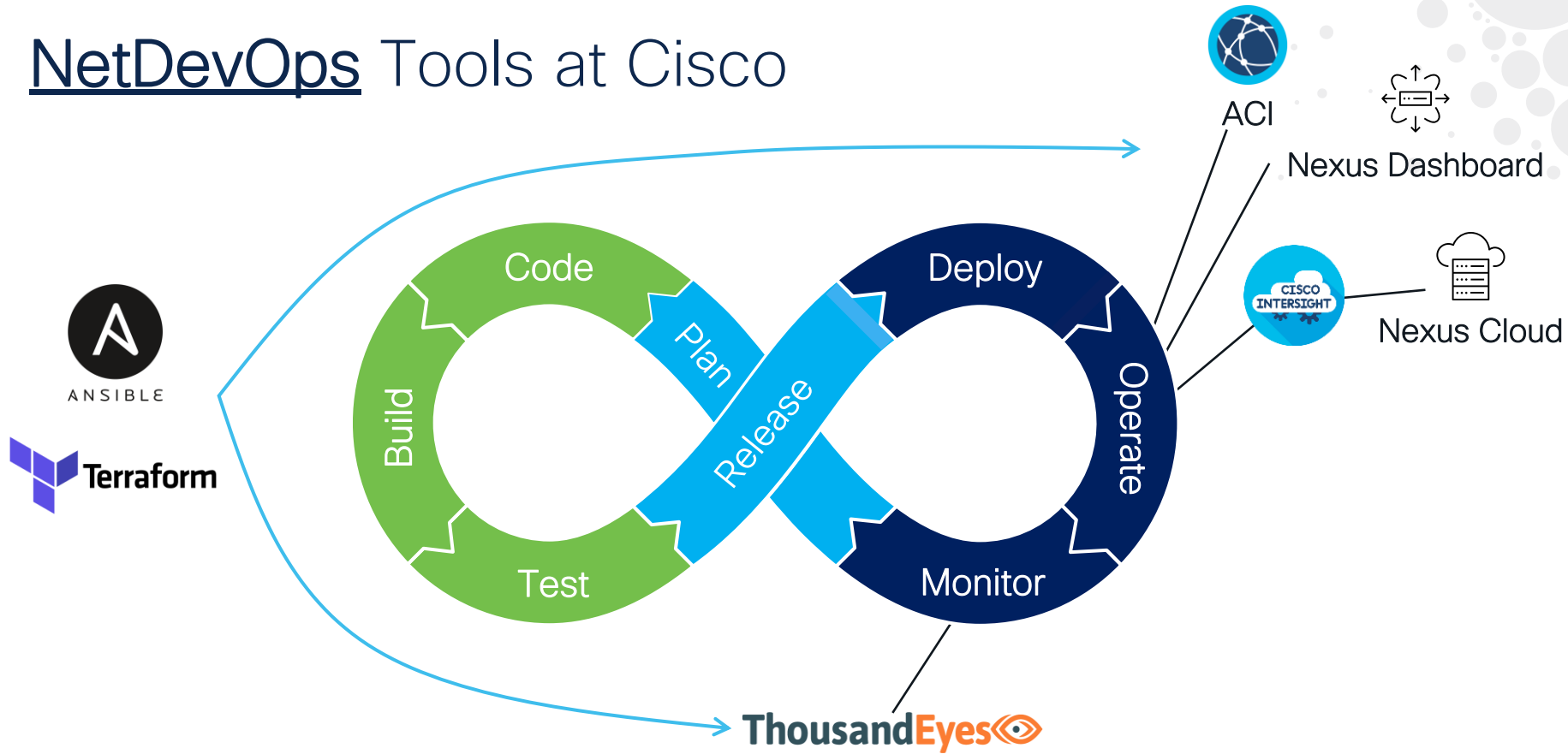
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NetOps Tools at Cisco



NetDevOps Tools at Cisco

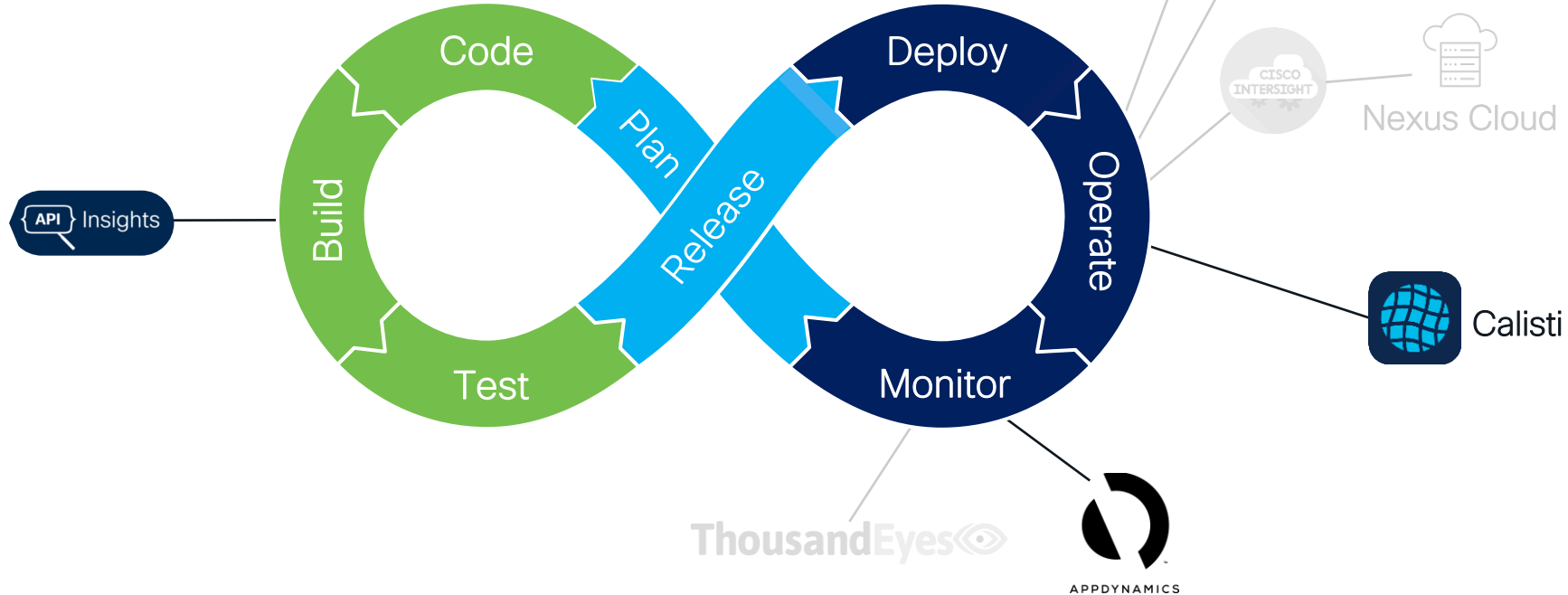




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DevOps Tools at Cisco

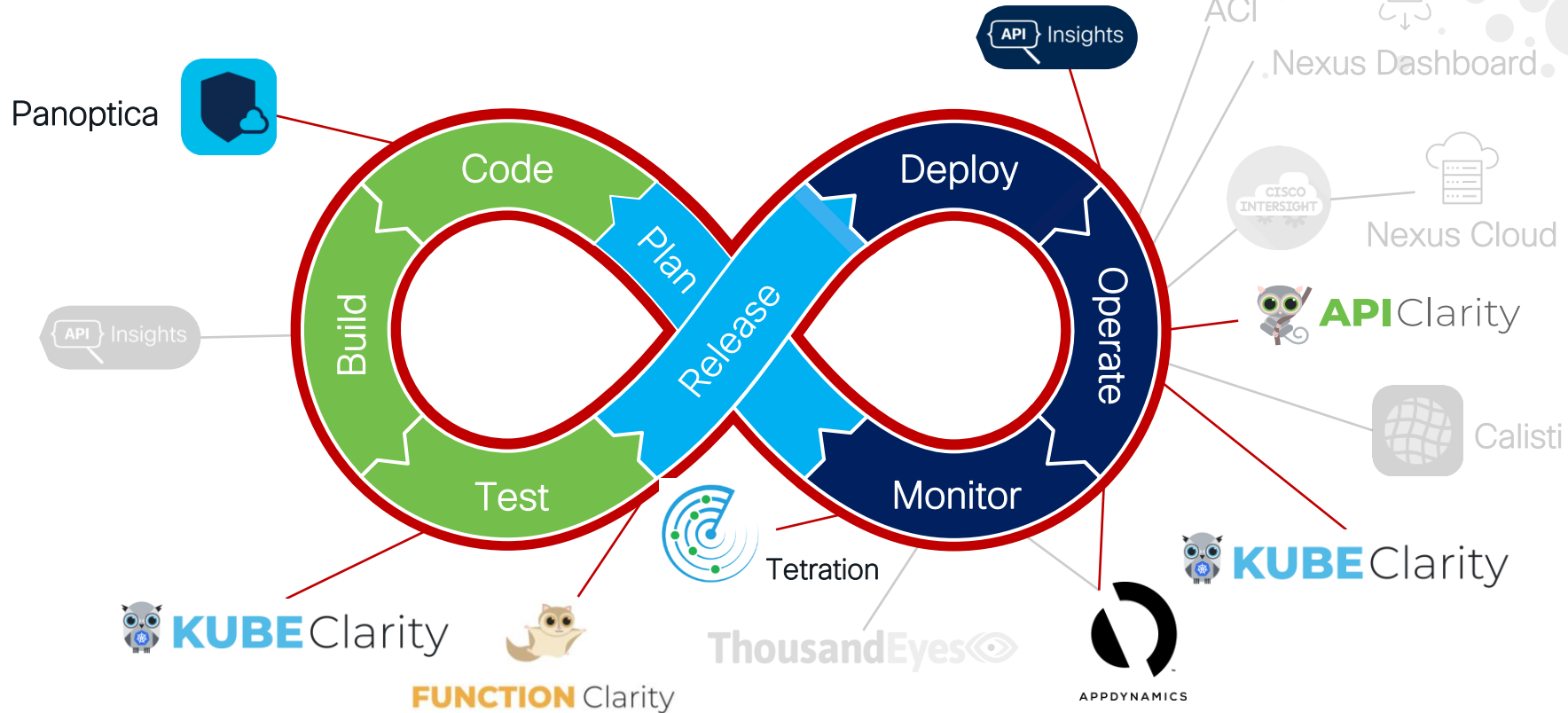




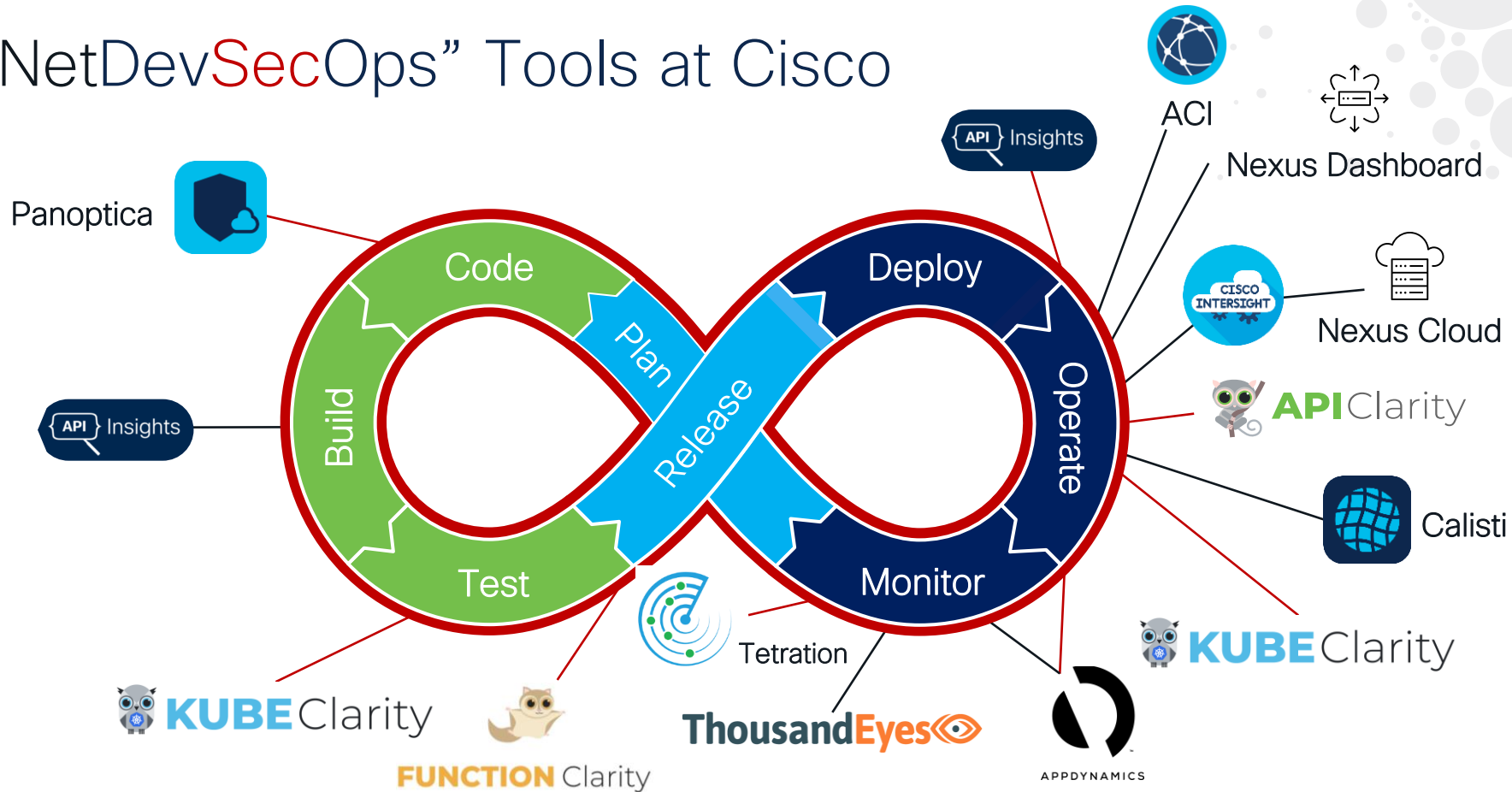
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DevSecOps Tools at Cisco



“NetDevSecOps” Tools at Cisco



The three key takeaways



DevOps is a journey achieved through a shift in culture & practices



There are many tools out there, and it is key to know what role they play



Cisco is ready to help in your DevOps, NetDevOps & DevSecOps journeys

Continue your education

Panoptica

DEMCNI-01
Panoptica: Cloud-Native Security

DEVWKS-2974
Securing cloud native applications with Panoptica

BRKETI-2511
Introducing Panoptica-The Cisco Cloud Native Security Solution for Containers, APIs and Serverless Functions

You are here

AppDynamics

BRKAPP-2624
Full-stack Observability (FSO) for App Security in the Cloud or Wherever

BRKAPP-2098
Observe and Troubleshoot Cloud Native Applications for IT Ops and DevOps with AppDynamics Cloud

BRKAPP-3503
Custom Correlation on AppDynamics: The Secret Weapon for True Business Transaction Visibility

Calisti

DEVNET-2450
Your Mess Needs a Mesh

BRKETI-2005
Simplifying Cloud Native Application Connectivity and Observability with Calisti

DEVNET-2802
Modernize Legacy Applications using Cisco Calisti

DevOps

BRKCLD-1990
Realising DevOps through Cisco Technologies

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Continue your education

IBODCN-1003
An Interactive Conversation on
ACI Automation through Ansible
and Terraform

TECDCN-2131
IaC with ACI – A CI/CD
journey with Ansible
and Terraform

DEVNET-2473
Build a Simple yet Powerful
CI/CD Pipeline with Cisco ACI
and Nexus Dashboard Insights

ACI

You are here

LABDCN-1115
Cisco Intersight Cloud-
based Infrastructure
management – Get
Close to it!

DEWWKS-2818
Provision Infrastructure
Solutions at Cloud Scale
with the Terraform Provider
for Cisco Intersight

Intersight

ThousandEyes

BRKENT-1656
Beginner's Guide to Enterprise
Network Monitoring with
ThousandEyes

DEVNET-1458
Terraform:
ThousandEyes on
Catalyst 9000 Switches

DEWWKS-1472
Exploring Cisco Secure
Workload (formerly Tetration)
Programmability with Real-world
Use Cases

Tetration

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Visit the Cisco Showcase for related demos.



Book your one-on-one Meet the Engineer meeting.



Attend any of the related sessions at the DevNet, Capture the Flag, and Walk-in Labs zones.



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The bridge to possible

Thank you

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ALL IN