



IT Track

CNAPP:
de nieuwe hype voor
security in de cloud



Koen Tamsyn



**Business Unit Lead
Cybersecurity | CISSP**



Koen.tamsyn@inetum-realdolmen.world

02 801 53 97

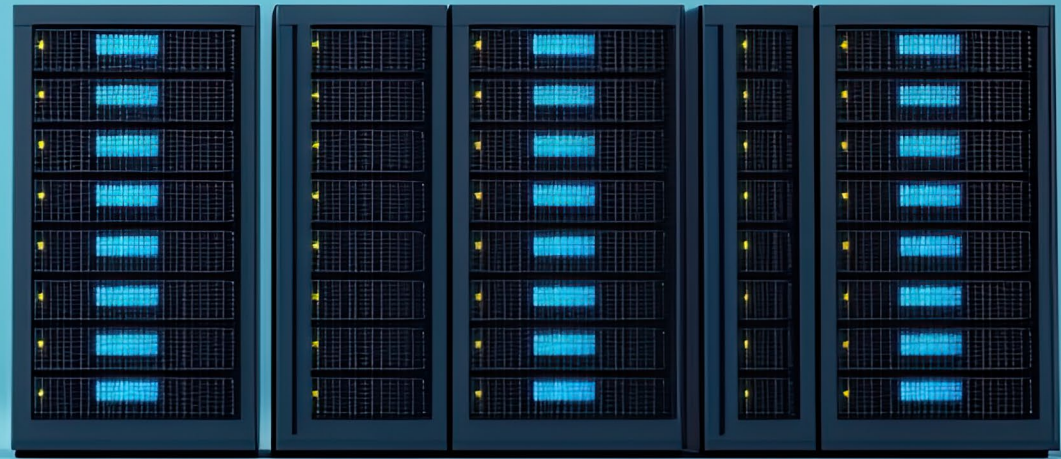
An aerial photograph showing a vast expanse of white, fluffy clouds against a clear blue sky. The clouds are dense and cover most of the lower two-thirds of the image. The text is overlaid on the clouds.

CNAPP

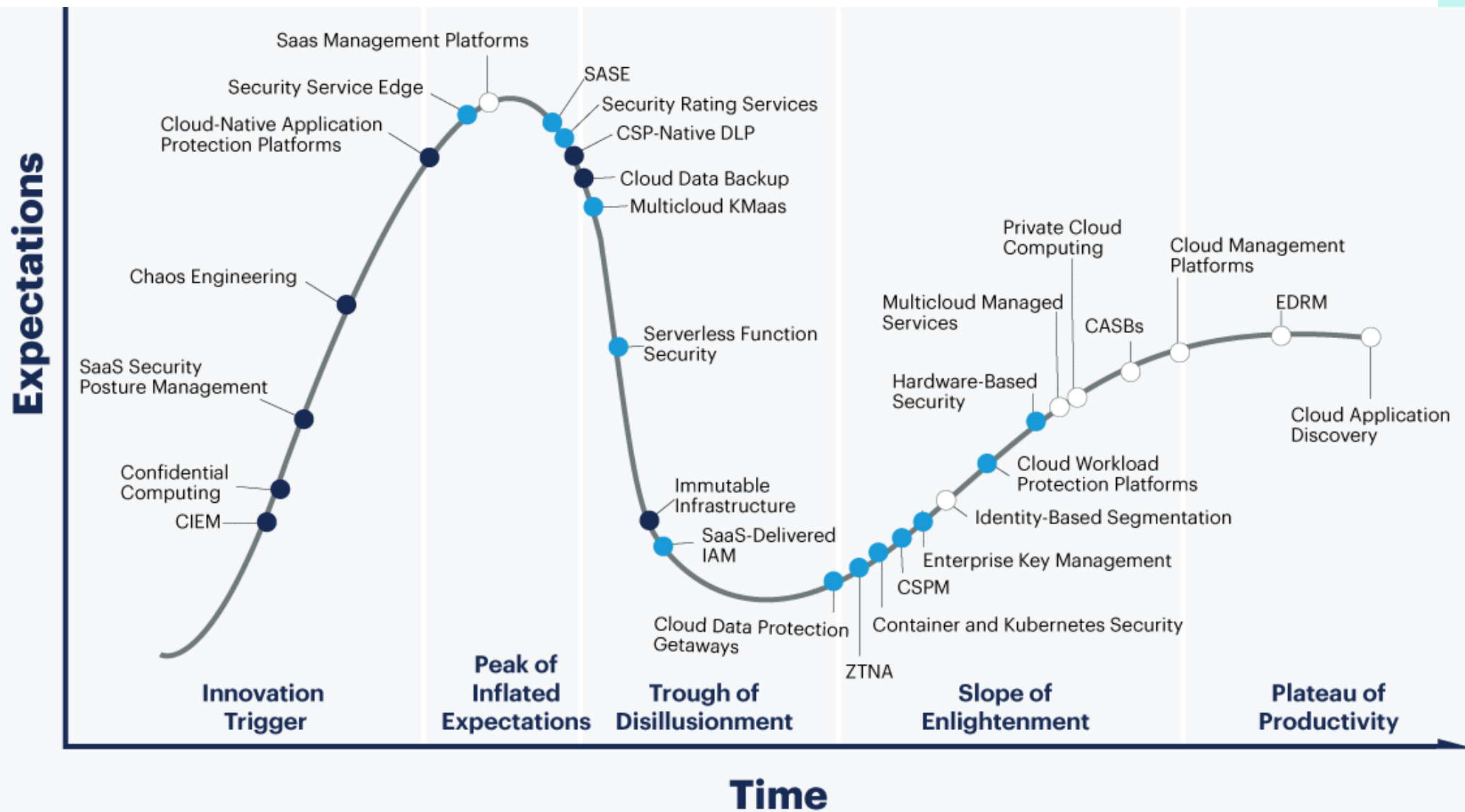
**Cloud Native Application
Protection Platform**

Firewall

EDR



Hype Cycle for Cloud Security, 2021



Plateau will be reached:

○ less than 2 years

● 2 to 5 years

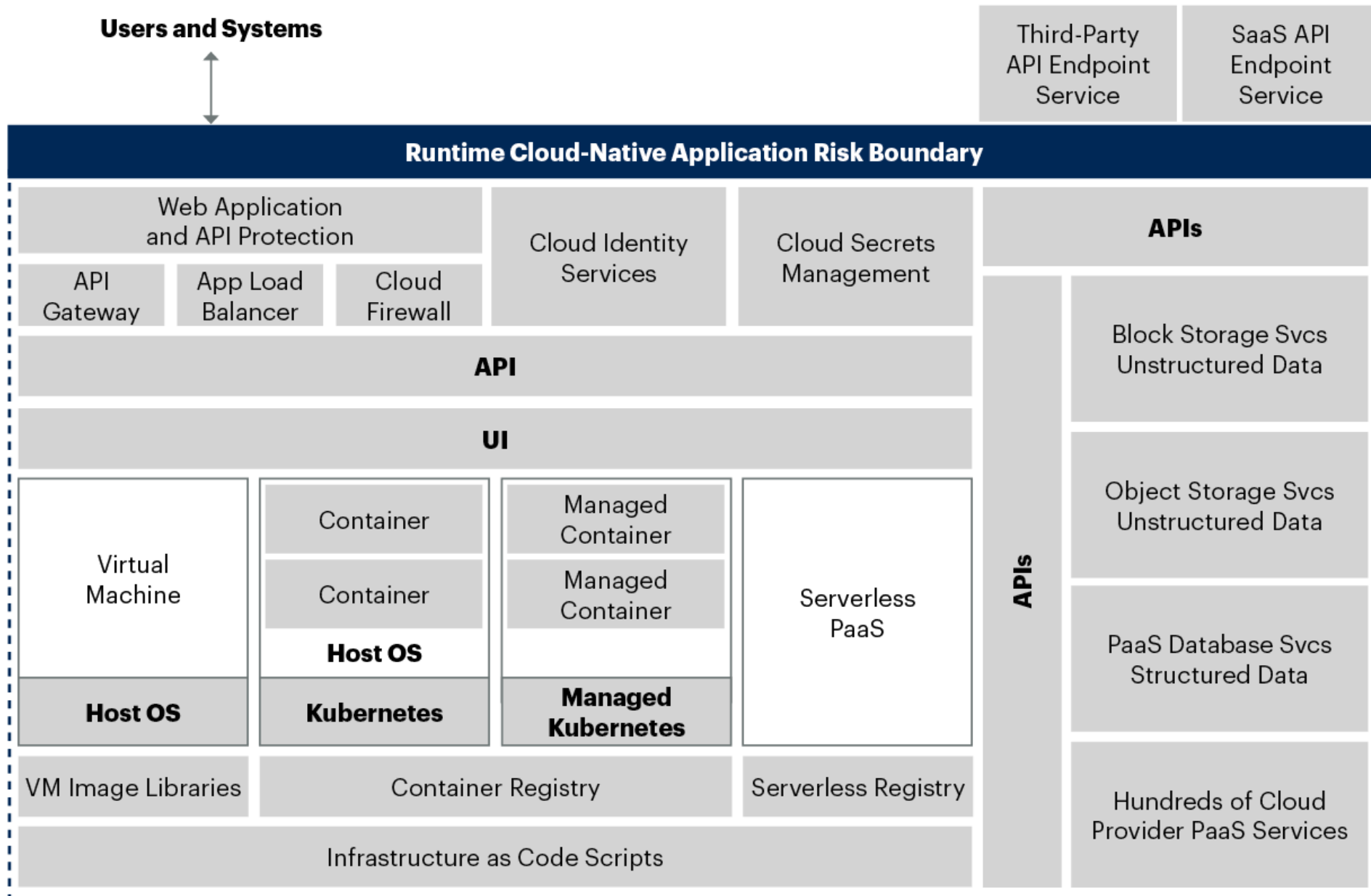
● 5 to 10 years

▲ more than 10 years

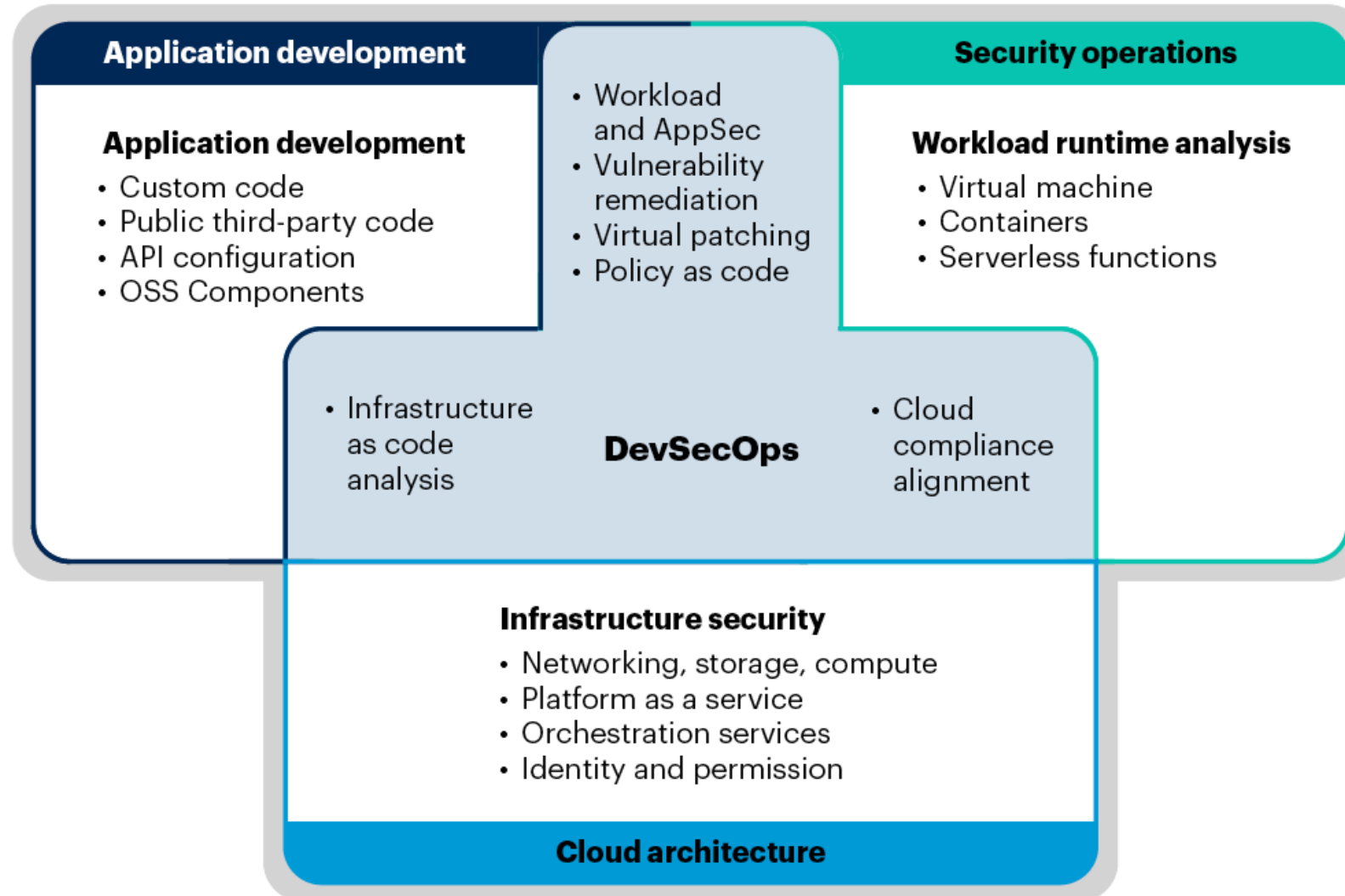
⊗ obsolete before plateau

As of July 2021

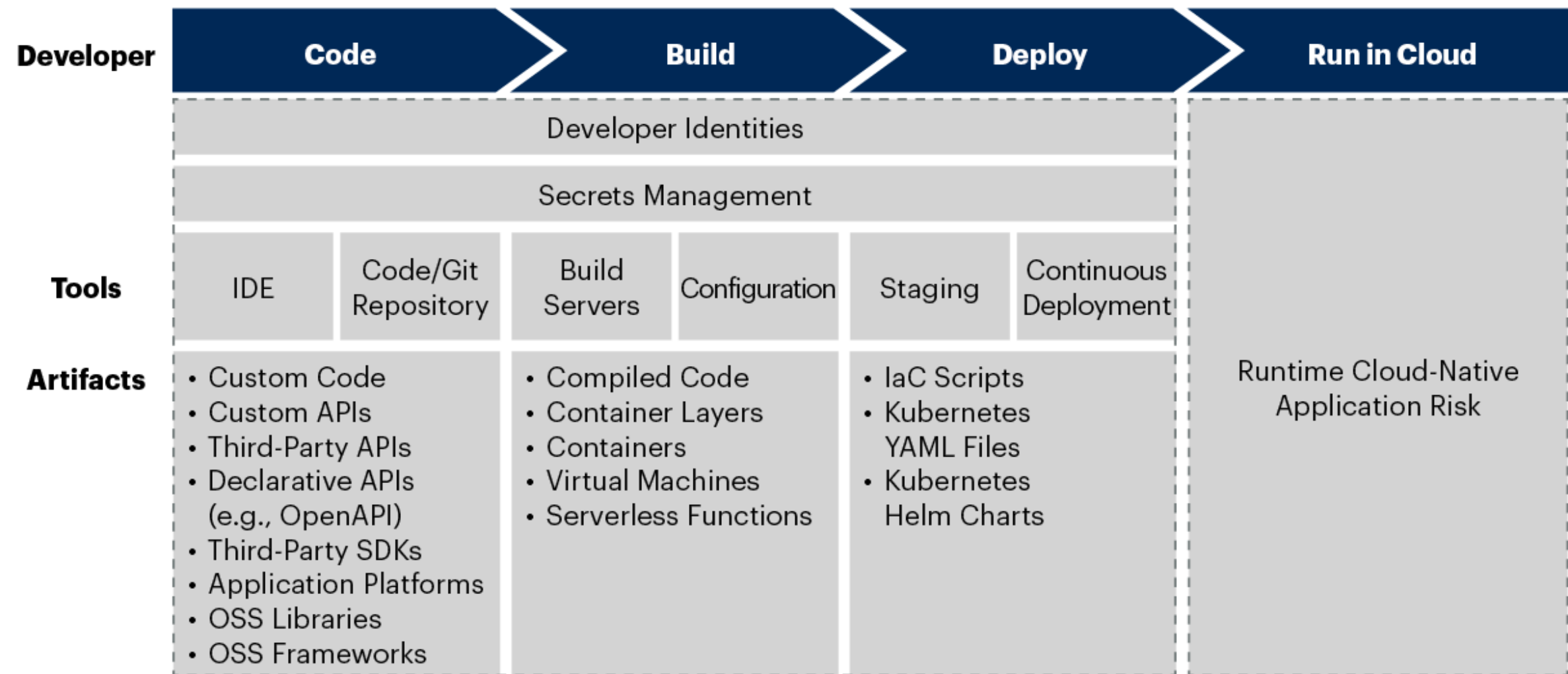
Explosion in the Risk Surface Area of a Cloud-Native Application



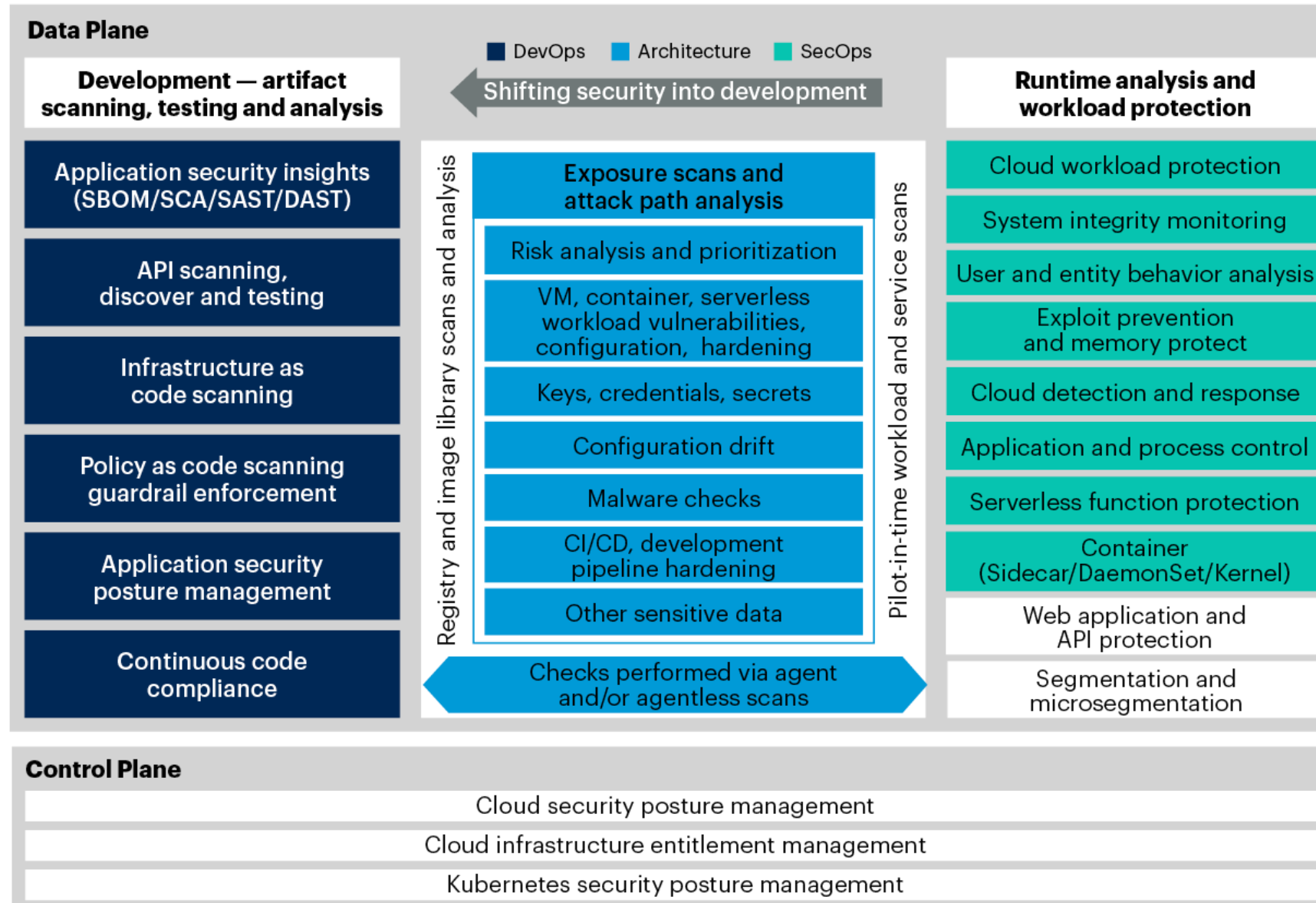
Developers' and Architects' Expanded Scope of Responsibility for Cloud-Native Applications



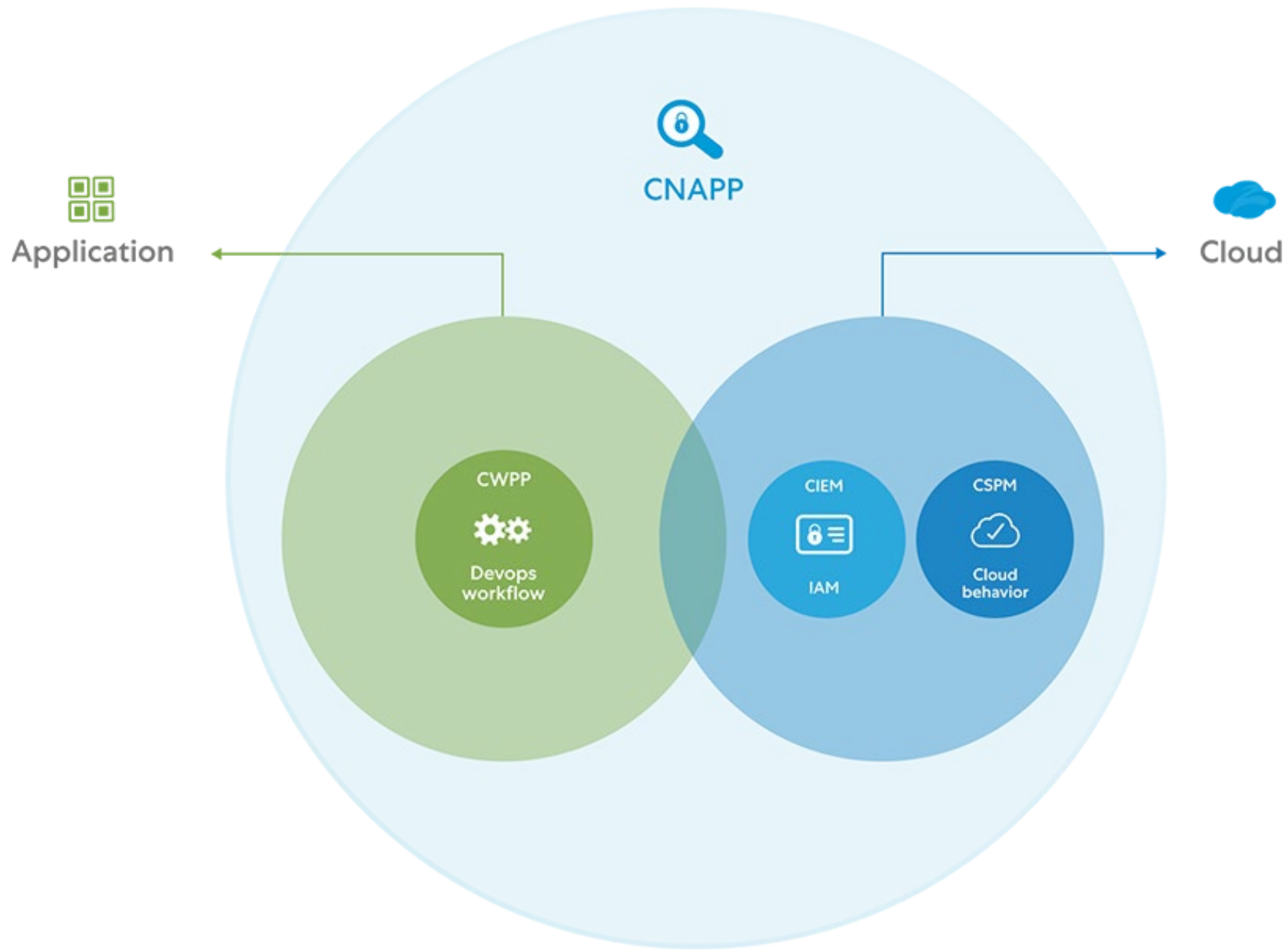
Code-to-Cloud Risk Visibility, Prioritization and Remediation



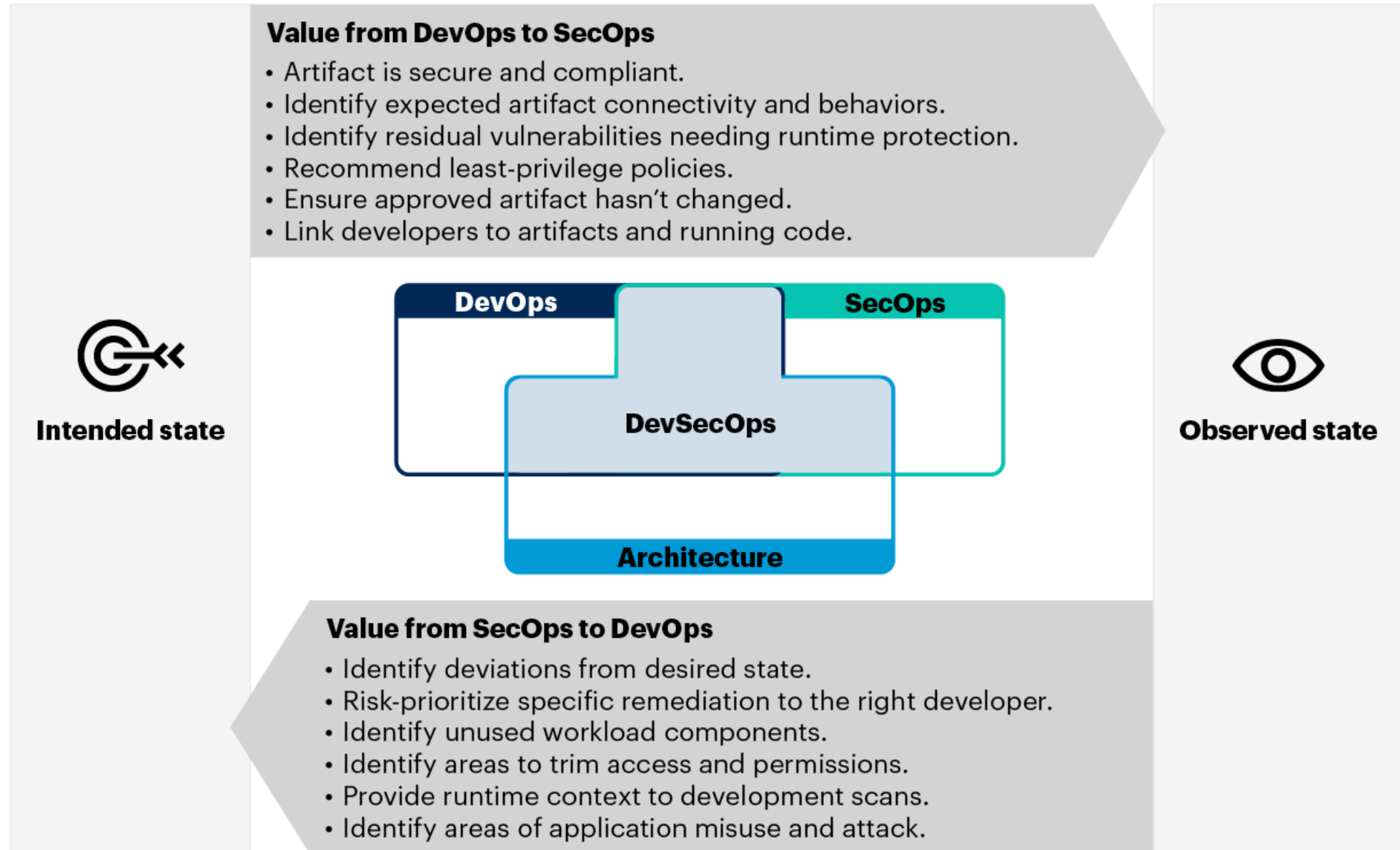
CNAPP Detail View



API = Application programming interface; CNAPP = Cloud-native application protection platform; DAST = Dynamic application security testing; SAST = Static application security testing; SBOM = Software bill of materials; SCA = Software composition analysis; VM = Virtual machine



Bidirectional Collaboration



Benefits of CNAPP adoption

- X Better identification, prioritization and remediation
- X Reduces operational complexity through consolidation
- X Consistent enforcement of security policy
- X Single data lake shortens remediation times
- X Reduces developer friction and improves experience
- X Shortens application deployment time
- X Minimizes runtime vulnerabilities
- X Eliminates redundant capabilities
- X Bridges the communication gap of siloed teams

Challenges to CNAPP adoption

- X Security organizational buying personas
- X Adversarial relationship between developers and security
- X Existing investments
- X Mindset changes
- X Architecture
- X Maturity
- X Legacy applications
- X Immature single vendor offerings
- X Stand-alone tools Integration

CLOUD NATIVE APPLICATION PROTECTION PLATFORM (CNAPP)

CNAPP



POSTURE AND VULNERABILITY SCANNING

REMEDIATION



CIEM & NHI



CSPM (AGENTLESS)



IAC



ASPM



DSPM



RUNTIME DETECTION AND RESPONSE

Traditional EDR



CDR



ADR



API SECURITY

RUNTIME ORIENTED



TESTING ORIENTED



Thank you