The Age of the Cloud Native Security Platform

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Defining Cloud Native

Cloud native technologies empower organizations to build and run scalable applications in modern, dynamic environments such as public, private, and hybrid clouds.

Containers, service meshes, microservices, immutable infrastructure, and declarative APIs exemplify this approach.

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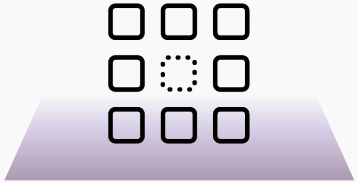
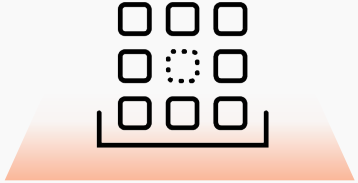
Cloud Native Adoption Continues to Grow



Cloud is Driving Application Modernization

8 of 10

enterprise apps today are cloud-enabled/cloud-native Gartner



Containers Have Gone Mainstream

1 in 2

enterprises will use containers by 2020

Serverless Computing On The Rise

2 in 10

enterprises will embrace serverless in 2020

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Broadly Think of 3 Layers

Compute: software you're continuously making

Service: off the shelf databases and app servers

Physical: buildings, metal, silicon

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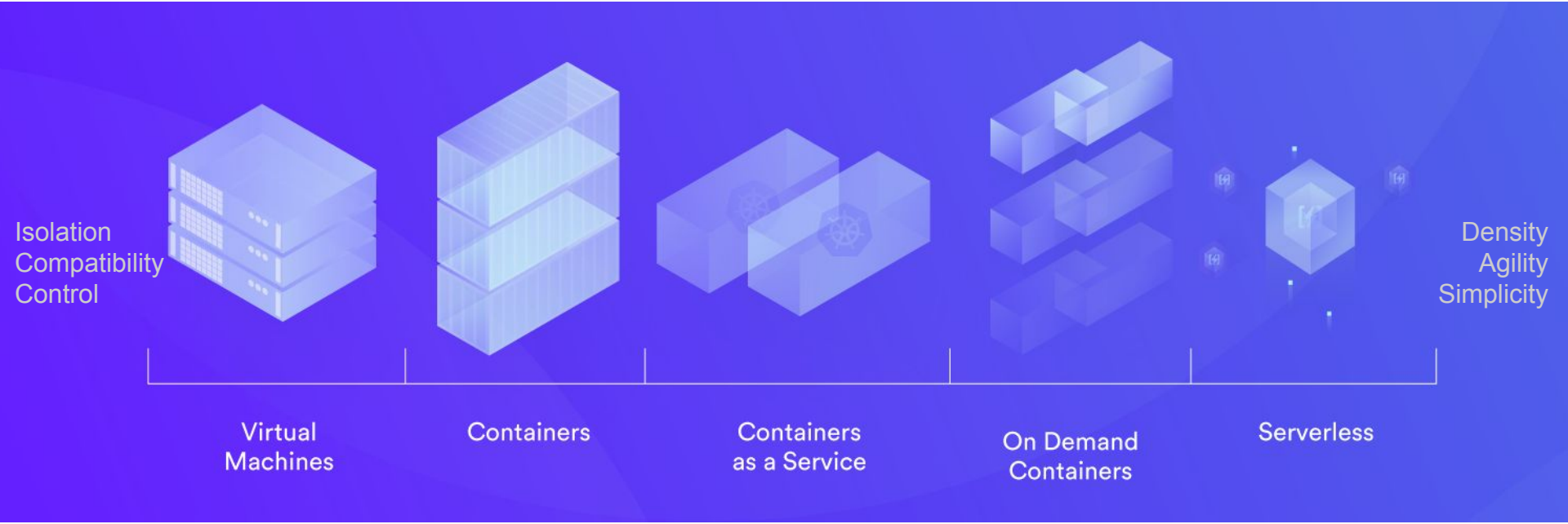
Continuum of Compute Choices



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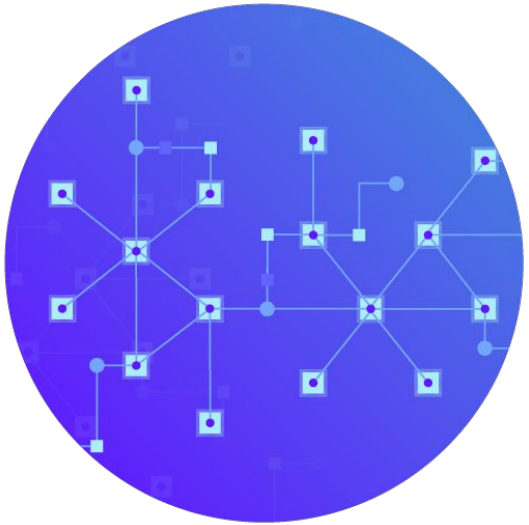
Cloud Native Makes Compute Security Harder

Think about your cloud native infrastructure… it's abstraction on top of abstraction, especially from a networking standpoint

Everything is ephemeral and everything is constantly changing — many more entities to secure

Security is largely in the hands of the developer

Security needs to be as portable as the applications



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But Cloud Native Also Makes It Easier

The nature of cloud native applications allows for a new approach to security

- Declarative
- Minimalistic
- Predictable

Security that's more automated, efficient, and app aware

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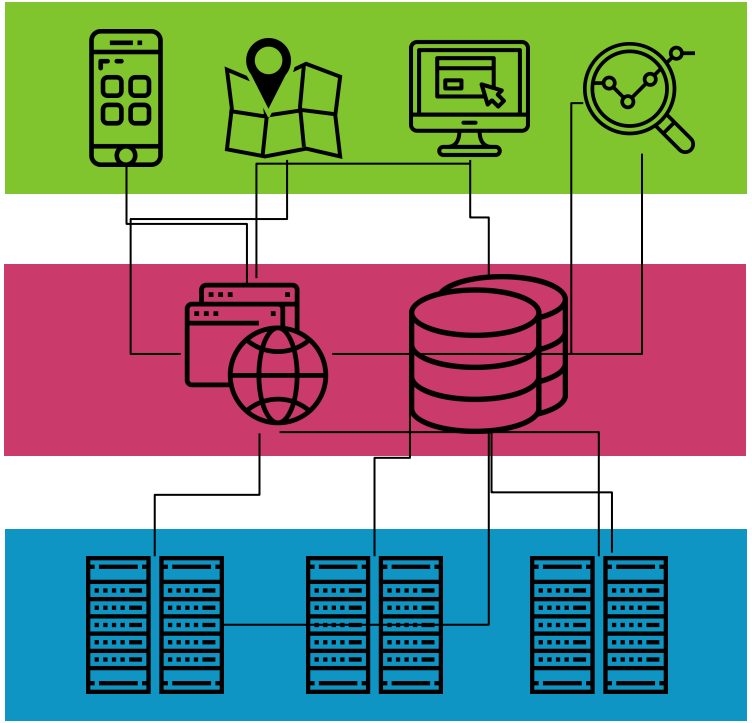
Compute Is Just One of Layers

High interdependence and shared risk but low visibility and understanding

Shared components means shared risk

Abstraction upon abstraction makes it impossible for humans to understand at scale



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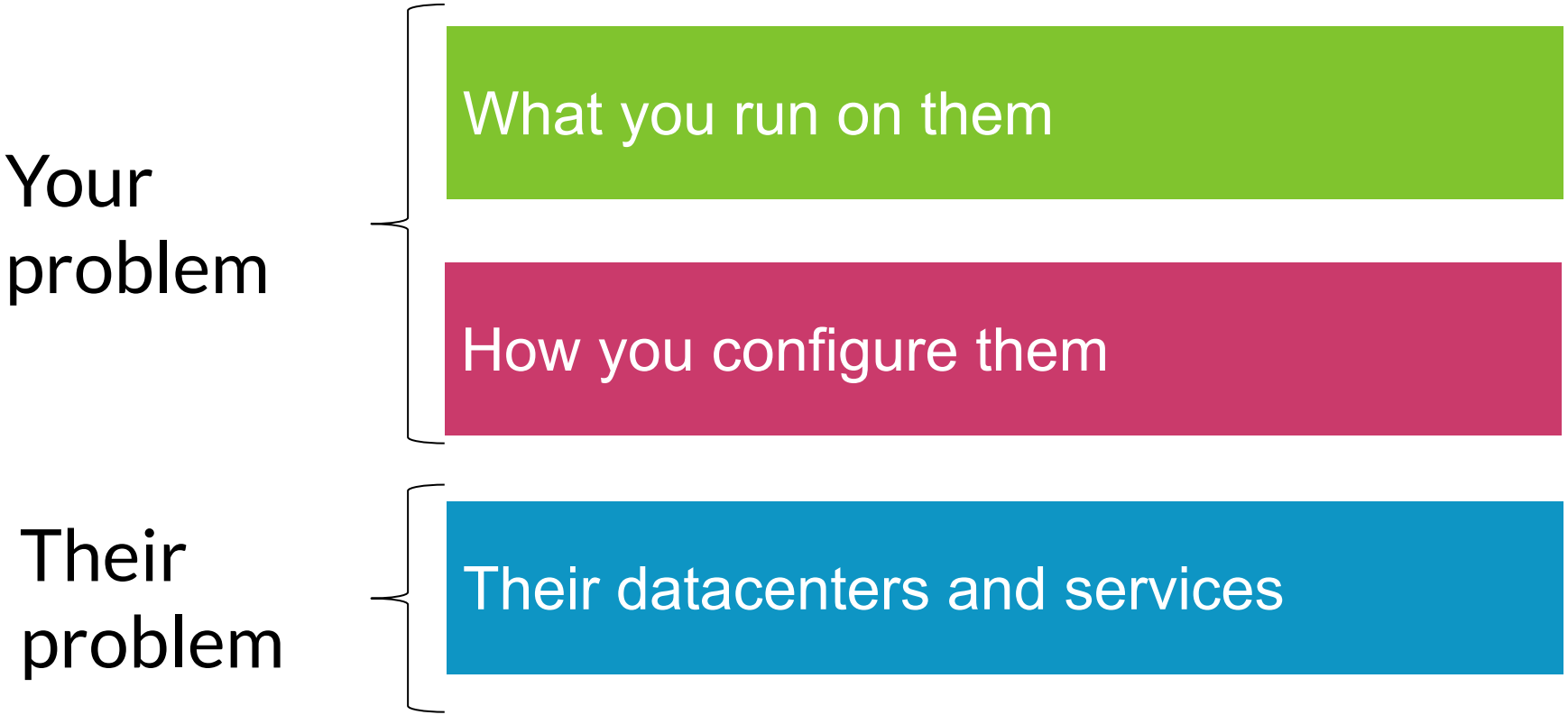
Cloud Provider Shared Responsibility Model



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Security Market Silos

Source Component Analysis

Cloud Workload Protection

Cloud Security Posture Management

Still their problem!

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The Age of the Cloud Native Security Platform

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What is a Cloud Native Security Platform?

Security throughout the development lifecycle

Comprehensive set of capabilities across layers and clouds

App aware

An API for everything

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CNSP

Across the app lifecycle

Broad spectrum security capabilities

What you run on them

How you configure them

Their problem

Still their problem!

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Why CNSP

Single lifecycle phase focus of current tools

Manually intensive, not automatable security products

You care about protecting the app and data, but the tools are built to protect the layer

Security product fatigue

Organizations are intentionally multi-cloud but cloud provider security capabilities are provider specific

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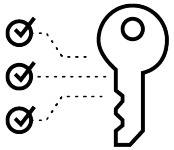
Security Aligned with the Definition of Cloud Native

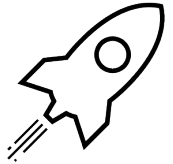


Integrated across the lifecycle

Support for modern CI/CD workflows that leverage CSP and third-party tooling

Accessible via APIs

APIs are the backbone of cloud-native infrastructure, so CNSPs need to be fully accessible via APIs



Run everywhere

Security needs to be as portable as workloads and applications are -- no excuses!

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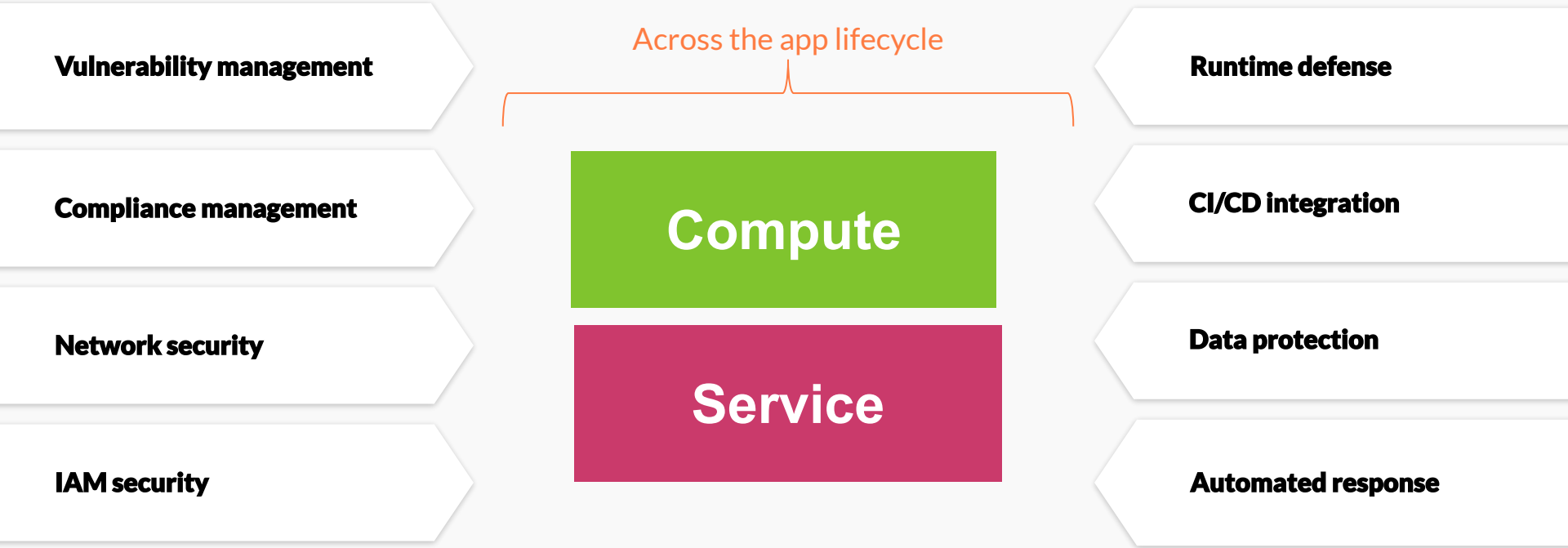
Capabilities of a Cloud Native Security Platform



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Old World

Production only

Silos for compute and services

Perimeter focused

Manually operated

VS

New World

Security throughout the app lifecycle

Integrated platform that protects across

App focused

Automated and API enabled

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Thank you!

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