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Modern Applications at Scale with a Shared Services Platform

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Agenda

- Problem
- Shared Services Platform?
- Customer Benefits
- How AWS can help
- Next Steps

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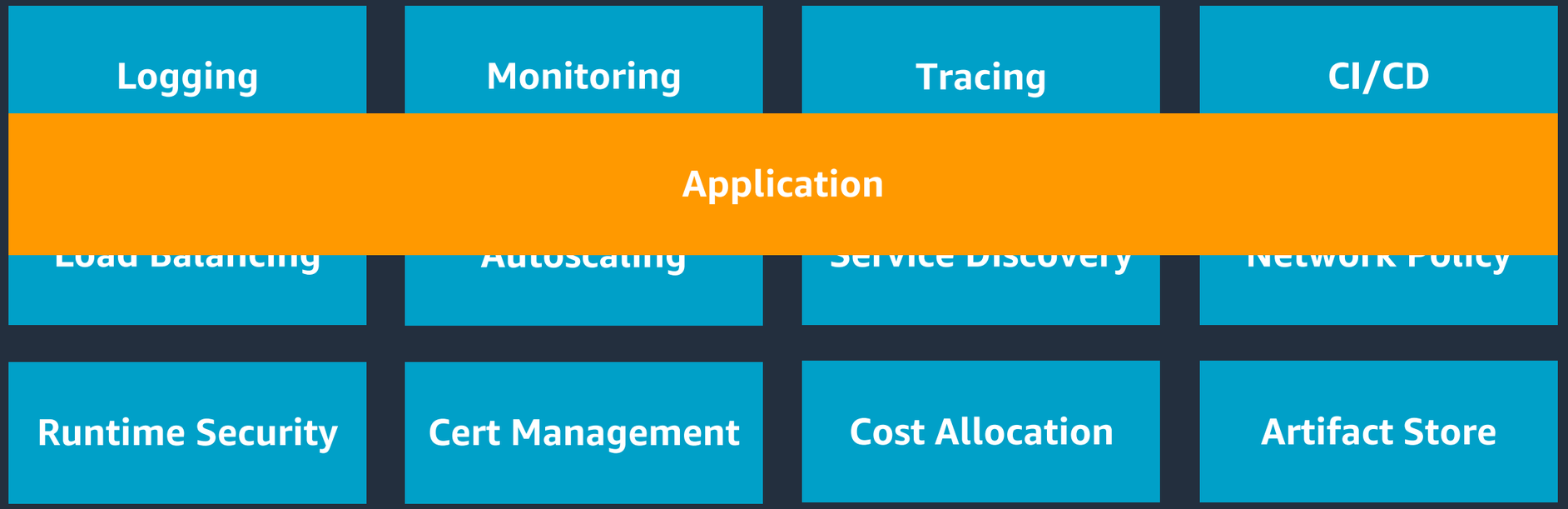
Components of a modern application

Day two operational considerations



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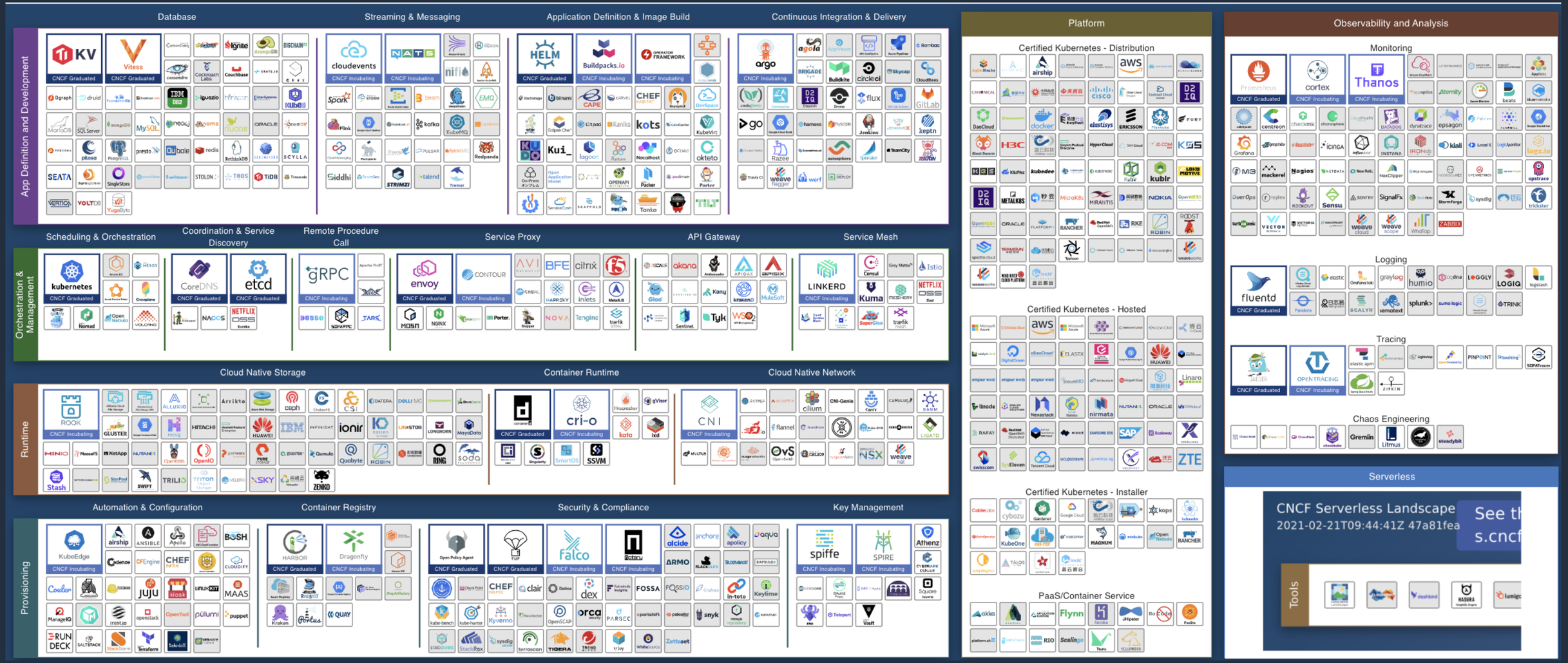
Modern application services at AWS

200+ AWS services and counting

AWS customers use open source tools



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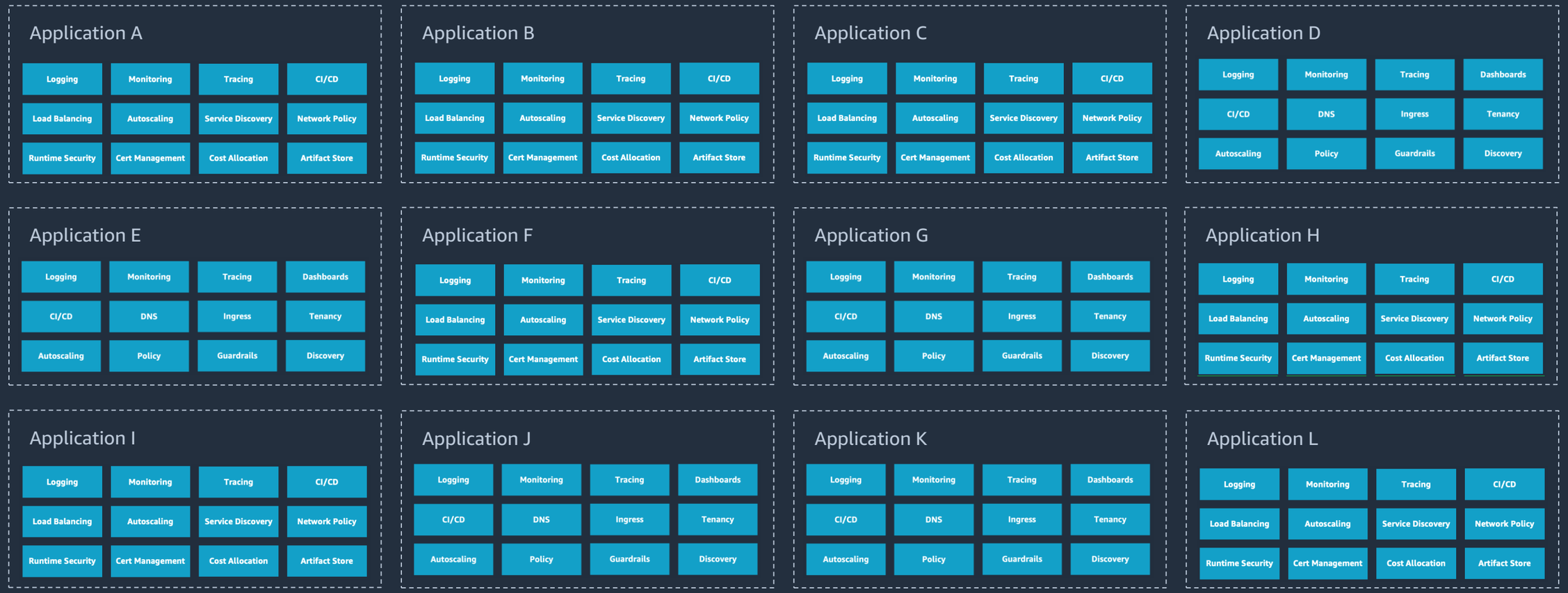
Components of modern applications…at scale

Day two operational considerations



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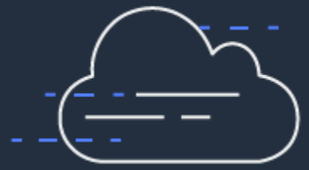
What we hearing from customers

We want developers to focus on applications not infrastructure



We want to standardize on modern application tools and best practices

We need to implement guardrails and establish controls

We want to optimize our cloud resources and spend

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Shared Services Platform

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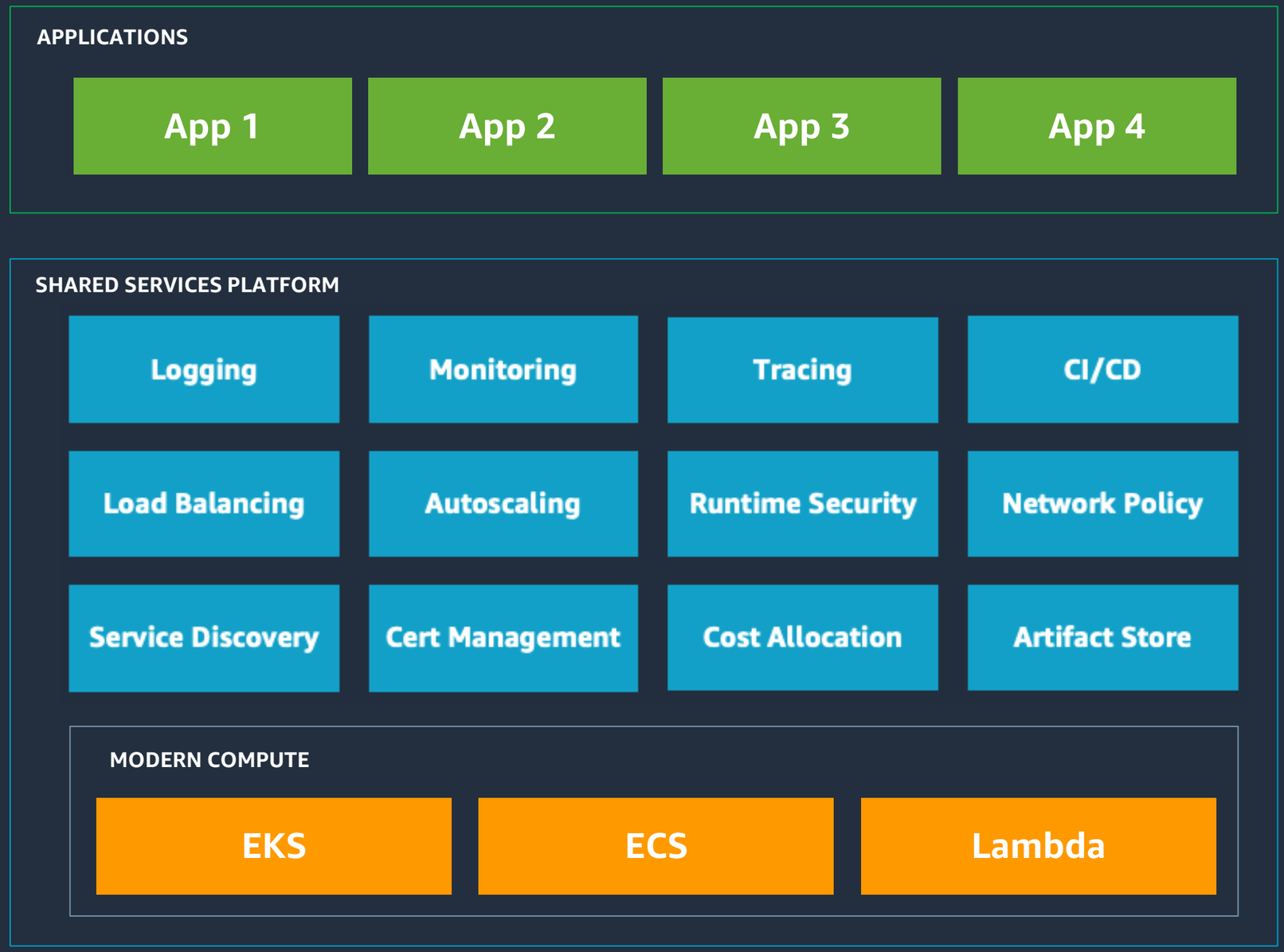
Shared Services Platform

An internal development platform that allows multiple teams to run applications on shared infrastructure that is managed, secured, and governed by a central platform team.

Platform ops

Platform is centrally managed



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Separation of concerns in software delivery

Platform Engineers

Build tools that provision, manage and secure the cloud computing infrastructure.

Application Engineers

Build applications that deliver business value to customers and internal users.

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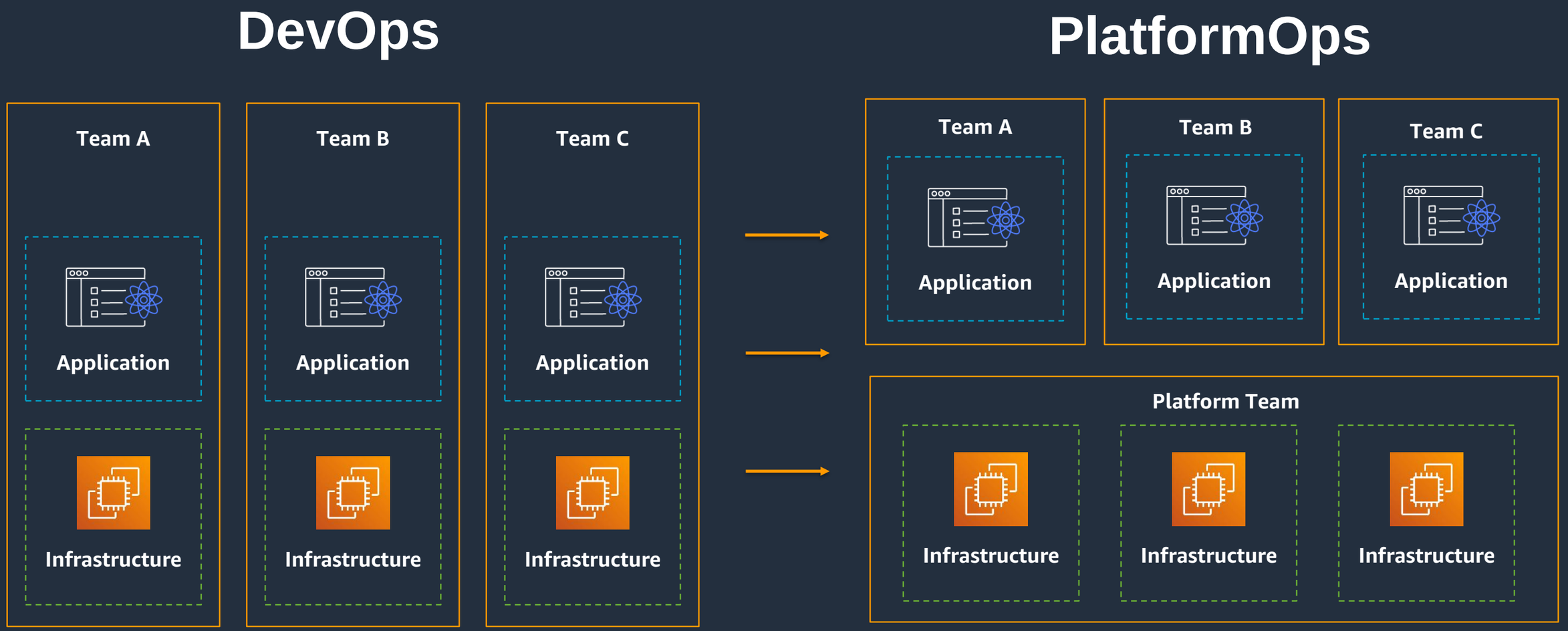
Platform operations



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Platform implementations vary

Developer Experience

Command Line Tools, GUIs, Pipelines, Manifests

Operating Model

Shared infrastructure v dedicated infrastructure

Workload Types

Backend Services, Batch Jobs, Machine Learning

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Customer Benefits

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Motivations for building an SSP

Velocity

Increase developer productivity and the pace of software delivery.

Automate infrastructure provisioning and deployment.

Decrease time to market for new products and services.

Guardrails

Ensure engineering teams are deploying the right infrastructure for their workloads.

Include security and operational best practices are including in all deployments.

Efficiency

Increase resource utilization by sharing resources among teams.

Reduce operational overhead by centralizing platform management

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SSPs enable modern applications at scale

- **Developer self service –** Developers don’t need to ask permission to onboard new workloads or wait for other teams.
- **Batteries Included –** All workloads running on the platform inherit best practices and are complete with operational tools.
- **Avoid redundant efforts –** Application teams don’t have to re-invent the wheel each time they want to deploy a new service.
- **Economies of scale -** Once a platform is in place, many teams can leverage the same foundation to deploy their workloads.

Customers

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Success stories

EKS is one of our strategic directions right now, migrating this account. Requires a very high secure way for our developer teams and our devops teams to access our EKS cluster environment.

By using Amazon ECS, AQR developers cut the time for building and launching a new app from 6 weeks to 30 minutes, and automatic security and compliance frameworks have simplified development.

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How AWS can help?

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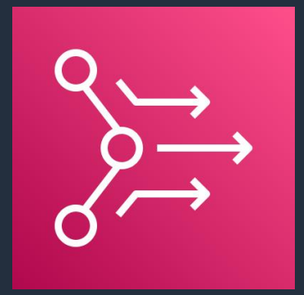
AWS services



AWS Proton

Automated management for container and serverless deployments

AWS App Runner

Production web applications at scale made easy for developers

AWS Copilot CLI

Build, release and operate production ready containerized applications

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AWS customer enablement

Accelerate time to market for your platform

AWS Professional Services
Accelerate your business outcomes

AWS Specialists
On-demand help from AWS
Certified third-party experts

AWS Managed Services
Operate your AWS infrastructure
on your behalf

APN Consulting Partners
A global network with deep AWS expertise

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Actions we recommend

1. Determine if your company could benefit from an SSP
2. Learn about AWS customer SSP implementations
3. Engage your AWS account team, Compute Specialist teams, and partners
4. Schedule an EBC

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