



TURN IT UP

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The bridge to possible



ITOps in a DevOps World

How to Utilize Intersight, Kubernetes, and Terraform to Converge the Worlds!

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BRKCLD-2086



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Agenda

- Introduction
- What is Intersight
- What is IKS
- RBAC
- ITOps/DevOps
- Conclusion

Introduction



The COVID-19 pandemic forced organizations to quickly focus on three priorities:

preserve cash and optimize IT costs, support and secure a remote workforce, and ensure resiliency,” said Mr. Nag. “Investing in cloud became a convenient means to address all three of these needs.”

In fact, recent Gartner survey data indicates that almost 70% of organizations using cloud services today plan to increase their cloud spending in the wake of the disruption caused by COVID-19.

November 17, 2020 - Forecasts Worldwide Public Cloud

- Gartner Research

How has Covid Changed the ecosystem?

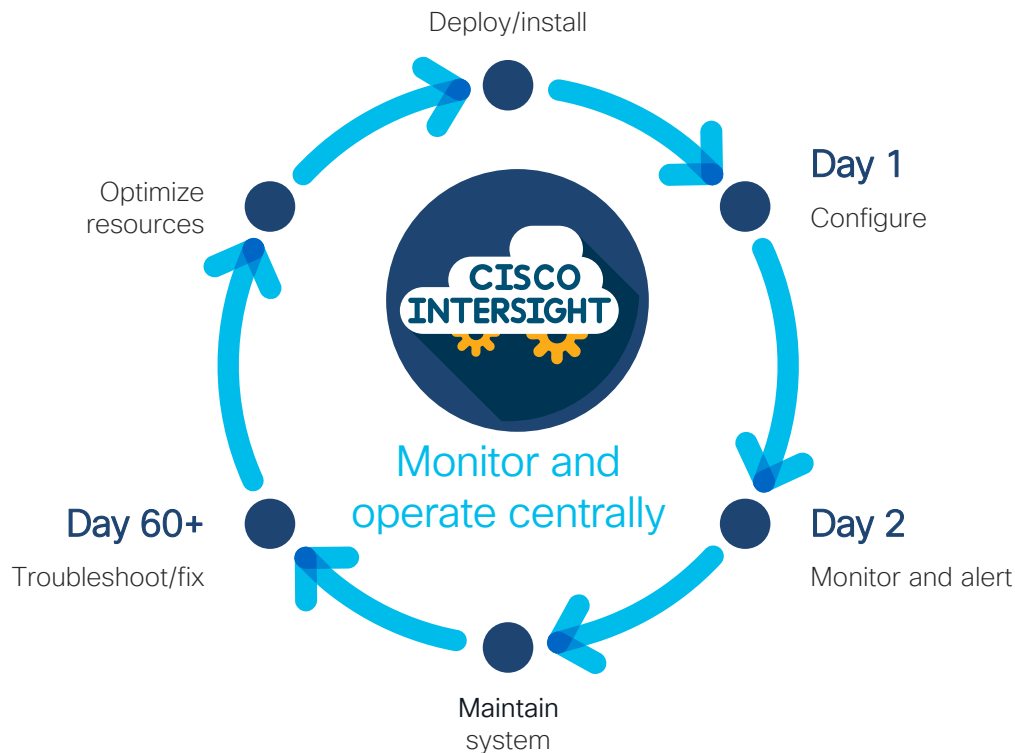
- More services consumed like
 - Kubernetes
 - Storage
 - Virtualization
- Need for more remote work
- Need for distributed computing

What is Intersight?

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Cisco Intersight: Connect and Use the Data



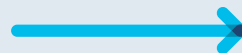
Benefits

- ✓ Quicker deployment times
- ✓ Fewer tools
- ✓ Lower administration costs
- ✓ Lower configuration risk
- ✓ Faster Problem Resolution

Cisco Maintained SaaS: Not “Another Tool”

Cisco UCS® capabilities today

- Infrastructure-as-a-service and orchestration
- Global resource pooling and policy management
- Third-party integrations: infrastructure and toolchains
- Policy-based automation
- Unified element management



Traditional delivery model

On-premises software and hardware-embedded tools



SaaS model

Cisco-hosted cloud
Customer-hosted connected appliance
Partner-hosted cloud



SaaS-consumption model

Frees customers from care and feeding of management tools and eliminates upgrade dependencies



Seamless extensibility

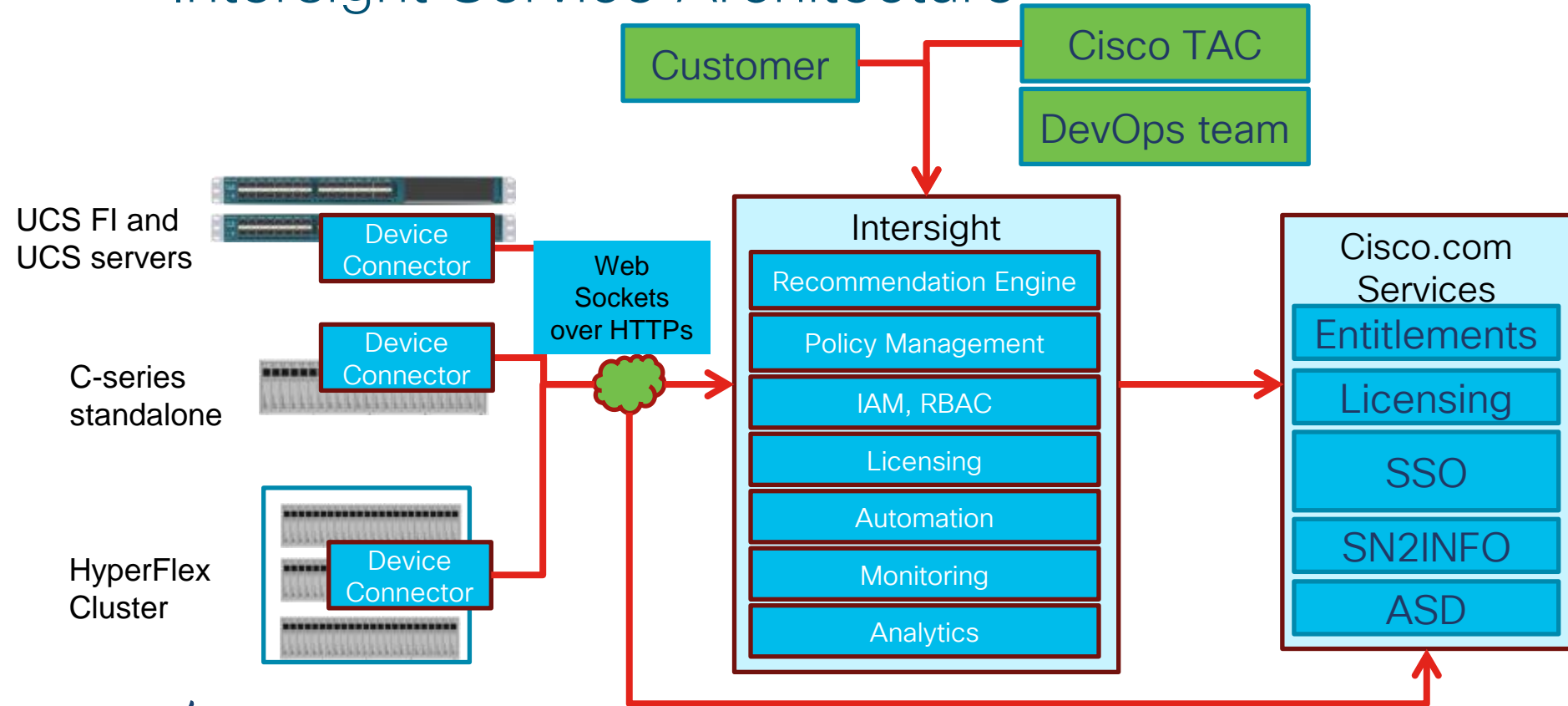
Simplifies management across technologies and geography



Continuous feature integration

Rapid development, delivery, and customer feedback

Intersight Service Architecture



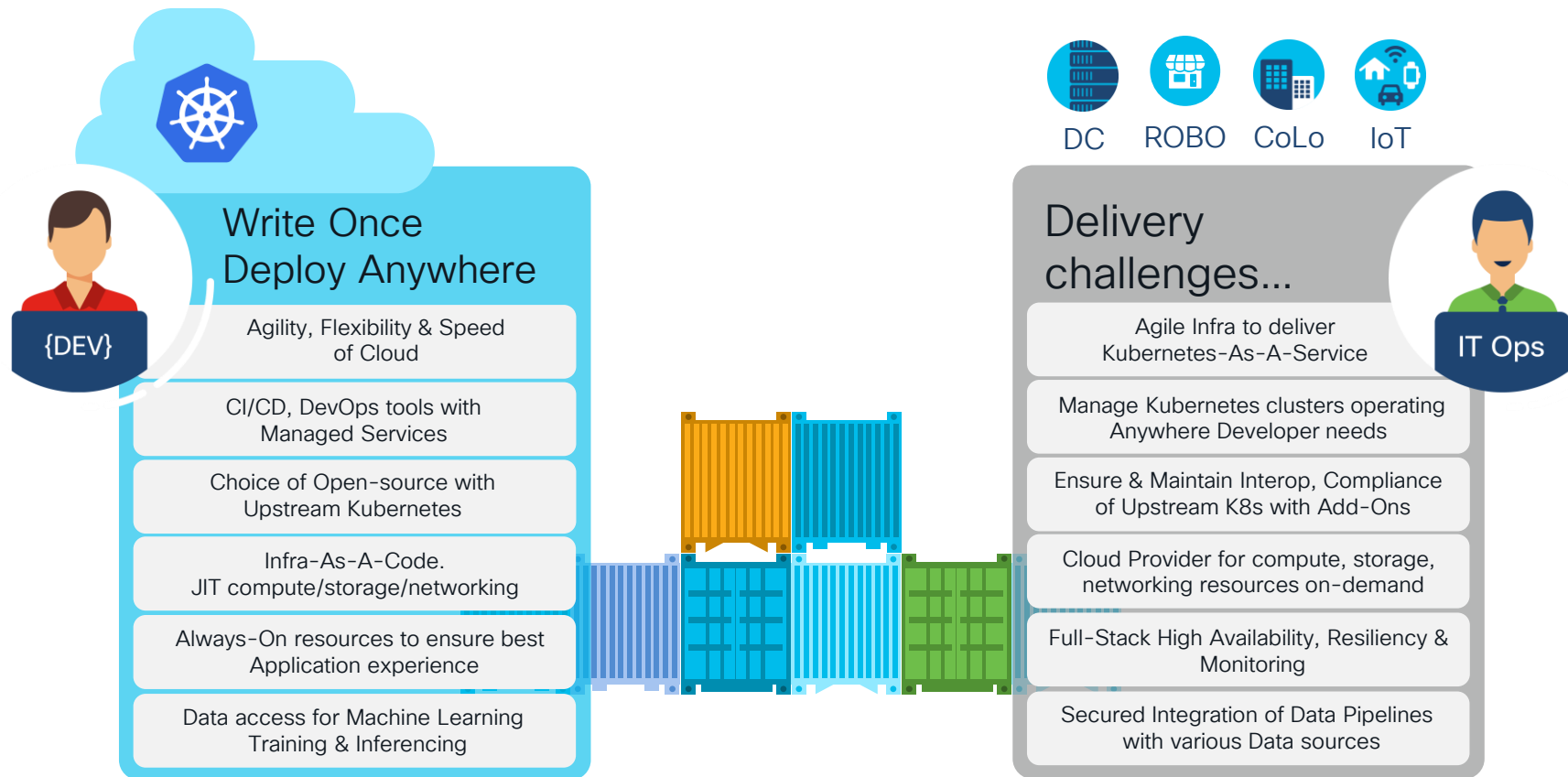
What is IKS?



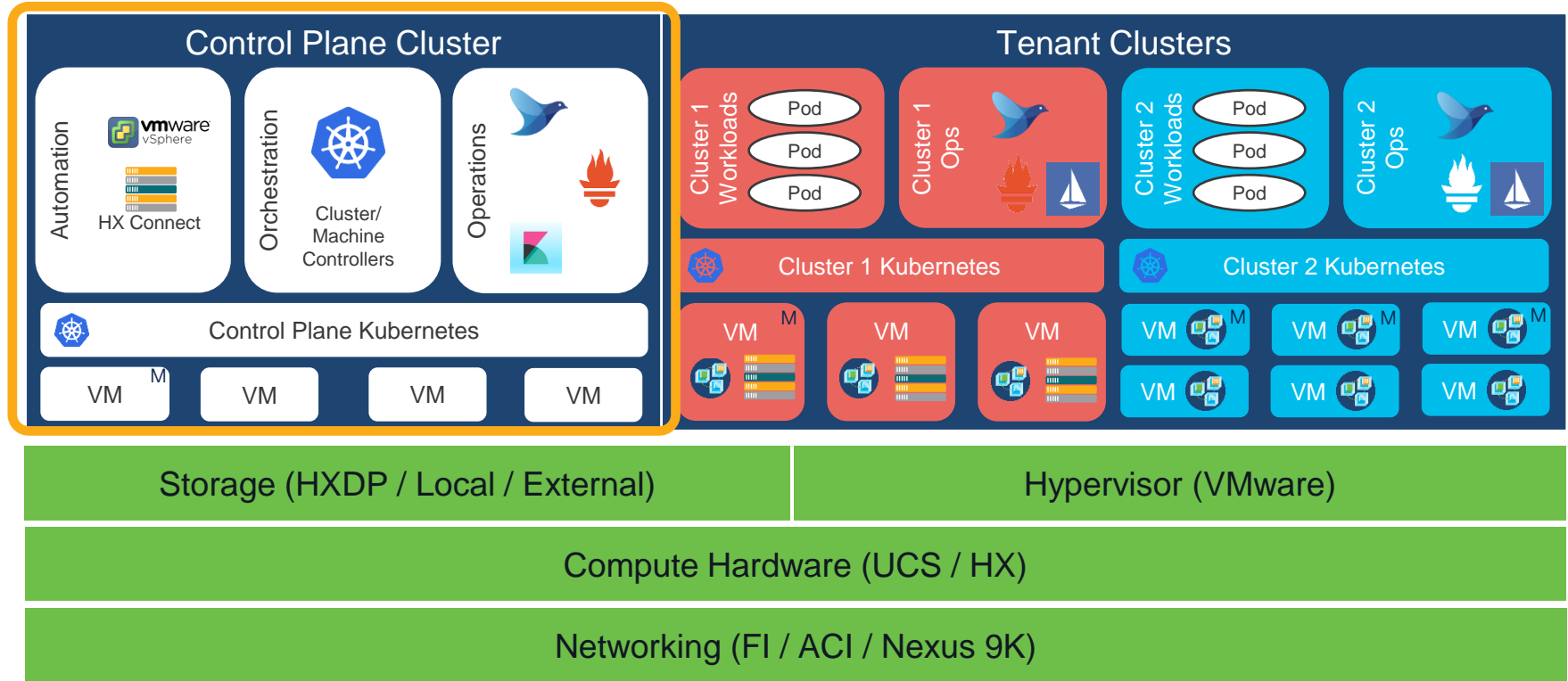
IKS

- Intersight Managed Kubernetes Service
- Fully Upstream Compatible Kubernetes
- Control Plane in the cloud
- Add-ons
- Integration with DevOps platforms

Cloud Native Operations : Kubernetes is the Bridge



IKS



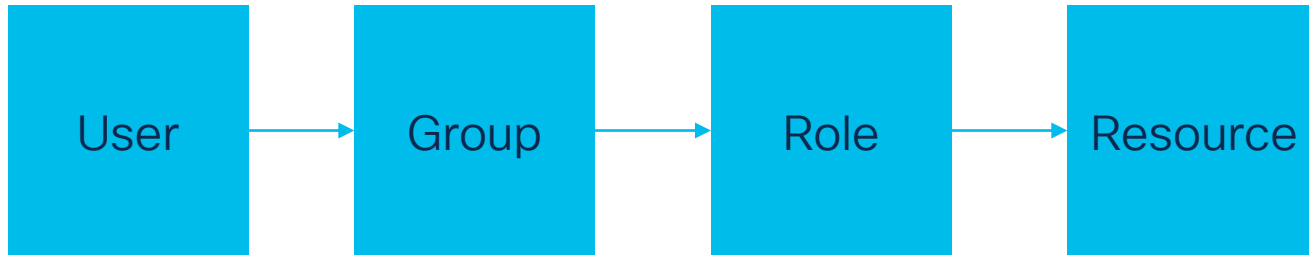
RBAC

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What is RBAC

In computer systems security, **role-based access control (RBAC)**^{[1][2]} or **role-based security**^[3] is an approach to restricting system access to authorized users. It is used by the majority of enterprises with more than 500 employees,^[4] and can implement [mandatory access control](#) (MAC) or [discretionary access control](#) (DAC).

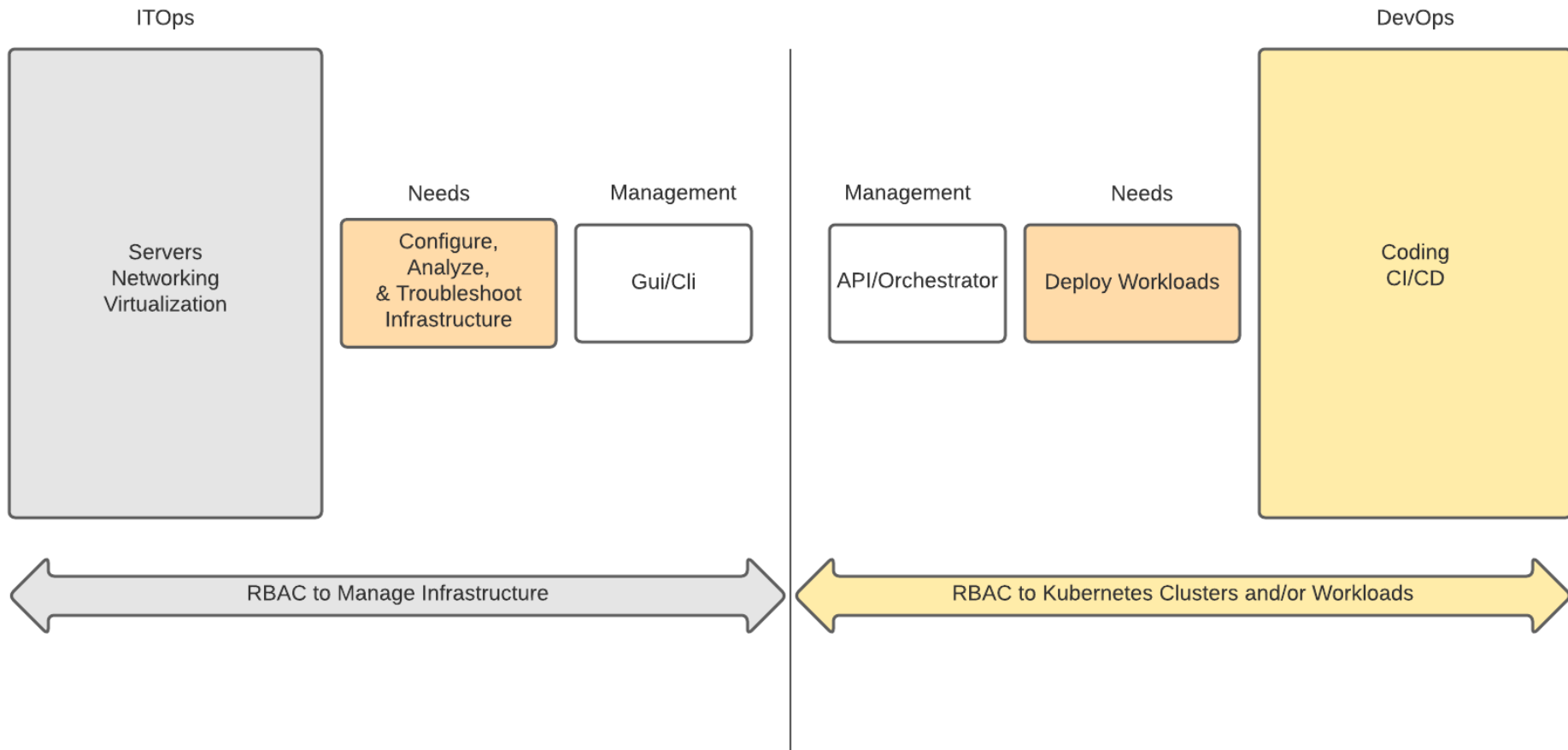


What is RBAC (Part 2)

Role-based access control (RBAC) is a policy-neutral access-control mechanism defined around roles and privileges. The components of RBAC such as role-permissions, user-role and role-role relationships make it simple to perform user assignments.

ITOps/Devops





Demo

More Info:

- IKS: <https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/intersight/at-a-glance-c45-744332.html>
- Intersight: www.cisco.com/go/intersight



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Thank you

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