

Sample RACI Chart for Kubernetes Management and Operations

Deploying Kubernetes infrastructure at scale in an enterprise environment requires careful planning and execution. Many key considerations with respect to automation, deployment models, existing tools and ecosystems, security, standardization, operations/maintenance, etc. must be considered before deploying the Kubernetes infrastructure. Understanding how internal teams are structured, their preferences in terms of tooling and their level of Kubernetes knowledge is key in deciding the right operating model for the organization. It's also equally important to understand the organization's goals and objectives to drive the desired business outcomes.

A critical part of any Kubernetes management and operation project is the documentation of the roles and responsibilities of all key stakeholders. Taken from hundreds of Kubernetes deployments, this document provides a sample RACI chart, with default values capturing best practices, that companies can customize for their Kubernetes project.

Sample RACI Chart for Kubernetes Management and Operations

Rafay establishes a RACI chart jointly with customers as part of the typical planning process in preparation for deploying and managing a Kubernetes management infrastructure. This chart can be referenced by the different teams involved in the management of the Kubernetes infrastructure and the deployment of applications. The following is a sample RACI chart for a typical Kubernetes infrastructure deployment.

What is a RACI Chart?

Projects within an enterprise almost always require the involvement of multiple individuals. But not all tasks within a project are the same and each of the individuals involved in its success may have different roles for each of those tasks. This is where RACI charts are valuable. RACI is an acronym that stands for Responsible, Accountable, Consulted and Informed and represents the primary roles individuals have for each task in a project. As a result, RACI charts ensure individuals are aware of their own level of responsibility toward a specific task.

As information regarding everyone's roles and responsibilities is clearly detailed in a RACI chart, enterprises have a single location to understand critical aspects of a project, namely the who, what, where, and how of each task. This guarantees alignment across tasks and helps ensure the ultimate success of the project for which the RACI chart has been constructed.

RACI DEFINITIONS

R

Responsible

Those who are responsible for actually completing the task

A

Accountable

Those who will be held accountable if the task is not completed on time or is delayed

C

Consulted

Those who will need to be consulted before the task is completed

I

Informed

Those to whom information must be reported. It is not optional

Sample RACI Chart

	PLATFORM/ SRE/OPS	SECURITY	APP TEAM/ DEVOPS/ DEVELOPERS	FinOps	Rafay Support
	Responsible for deploying and managing K8s Infrastructure	Responsible for enforcing security and compliance	Application Developers and DevOps team responsible for deploying and managing applications	Responsible for monitoring and properly accounting cloud costs	Rafay's Product Support Team

ENVIRONMENT SETUP

Infrastructure Provisioning	R,A		C,I		
IAM Policies	R,A		I		
IDP/SSO Integration Setup	R,A		I		
Project Provisioning (Rafay)	R,A		C,I		
Blueprint Creation (Rafay)	R,A	C	C,I		
Cluster Deployment (Rafay)	R,A		I		
Automation	R,A	C	I		

DAY2 OPERATIONS

Ongoing configuration changes for existing and new environments	R,A	C	I		
Ongoing maintenance of new cluster deployments and existing cluster lifecycle management	R,A		I		
Ongoing maintenance of Rafay Kubernetes Management Operator	I				R,A
Ongoing maintenance of cluster baseline services (Custom Addons)	R,A		I		
Ongoing support of Access control for users	R,A		I		
Operational support	R,A	C	I		

RAFAY KUBERNETES OPERATIONS PLATFORM

Availability	I	I	I		R,A
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CONTAINER SECURITY

Security Controls: definition	C	R,A	I		
Security Controls: implementation (responsibility shared depending on specific controls)	R	R,A	I		
Security Controls: monitoring & response	C	R,A	I		
SIEM Integration	R	R,A	I		

VISIBILITY & OBSERVABILITY

Monitoring	R,A	C	C,I		
Logging	R,A	C	C,I		

HIGH AVAILABILITY & DISASTER RECOVERY

Infrastructure HA & DR	R,A		C,I		
Application HA & DR			R,A		

COST MANAGEMENT

Cost Management Policies Configurations	R,A				
Cost Chargebacks and Reports					

NETWORK POLICY

Network Policies Configuration	R,A	C,I			
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SERVICE MESH

Service Mesh Deployment and Maintenance	R,A				
Service Mesh Policy Management	R,A		C,I		

APPLICATION

Application Deployment	C,I	C,I	R,A		
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