

3: Scalability Framework

WHY THIS FRAMEWORK IS IMPORTANT		EXERCISE			
		ne goal of Kubernetes is to scale three ways: 1. Does your infrastructure scale reliably and securely?		1 Hours	
	 Does your Kubernetes environment autoscale? Do your Kubernetes applications self-heal? 			Easy Effort	
		vork focuses on understanding the temporal Its of applications using your environment.	*	Enterprise Architect Head of Development Security Manager	
Are Kubernetes requests and limits used with every deployment within a cluster?					
		Yes			
		No			
	Are node autoscalers currently in use?				
		Yes			
		No			
Is horizontal pod autoscaling in use?					
		Yes			
		No			
Is auto scaling functionality being continually tested?					
		Yes			
		No			
	Are cluster autoscalers and workloads designed to respond to availability zone outages?				
		Yes			
		No			
	Are autoscalers leveraging limits and requests?				
		Yes			
		No			





What group is responsible for determining requests and limits for a new workload?

- Operations team
- Development team
- DevOps team
- Other

Is there a mechanism for performing canary style deployments and segmenting traffic?

- Yes
- No

NEXT STEPS

Count the number of times you answered "Yes" and compare it to the number of times you answered "No." This will give you a sense of how prepared your Kubernetes environment is to auto scale.

Make sure you are building a foundation that can scale on demand with ease. This will allow you to expand your Kubernetes capabilities across your organization and deliver rapid application deployment to product owners.

