

Application introspection and debugging



Develop a Hypothesis

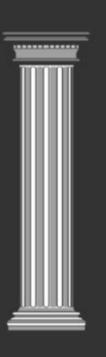
Clue 1

+ Clue 2

+ Kubernetes Knowledge

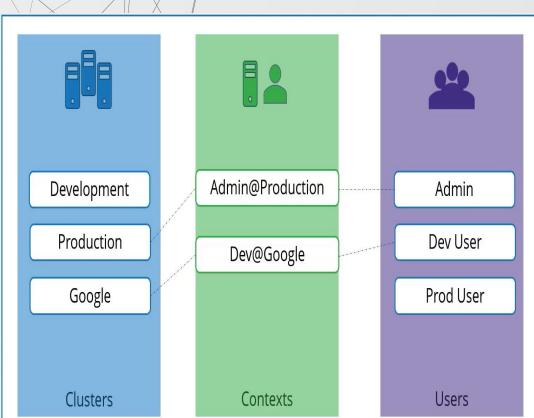
Probable Cause

Infrastructure



Self-managed or cloud-managed?

\$HOME/.kube/config

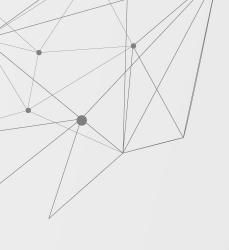


How can I access RTE clusters?



Deploy two Pods in a Namespace. Check the Pod's statuses and suggest a solution to the problem you face.

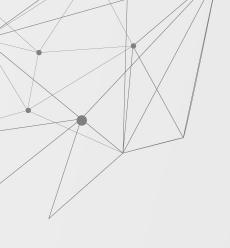




2nd scenario

Failed Pod. Someone in your organization has come to you for help. They are having trouble deploying a container.





3rd scenario

You deployed a voting application, but votes are not being cast and the worker Pod is not healthy. Your colleagues suspect the problem is at the application level. Check the Pod's health and suggest a solution



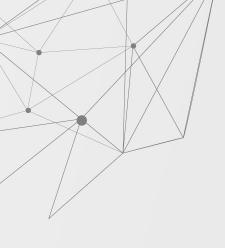
Several weeks later on a team video chat, your coworker says there's a failed Pod again. This time, the same app. Kuard, isn't working. Your teammate explains that after some testing, it can't be re-deployed. They go on to say that the Kubernetes manifest hasn't changed. You begin to investigate.



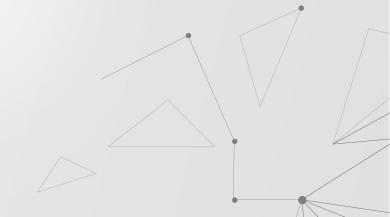
You receive a call from an employee who needs help with their new application. The user states that after deploying their containers, they are unable to access them through a web browser.

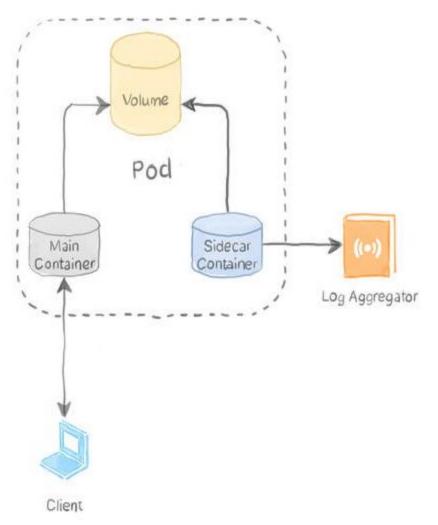


After deploying some nginx Pods and a Service, you notice, when trying to access your Service by IP from one of your Pods, in different namespaces, that it is not working properly. Correct the mistake and run some tests again.



Deploy and debug your kuard Pod, now with some Init Containers.







Deploy and debug a Pod with a Sidecar container.

