

Self Healing Pods in Kubernetes

Container Restart Policies





Self Healing Pods

- Container Restart Policies
- Always
- OnFailure
- Never
- Hands On Demonstration

Restart Policies

- Kubernetes have capability to Auto Restart the containers when they fails.
- RestartPolicies customize the K8s Container Restart behaviour and you can choose when to Restart the Containers.
- K8s have three restartPolicies - **Always**, **OnFailure** & **Never**

Always Restart Policy

- **Always** is default restart policy in K8s.
- With Always Policy, containers always restart even if container completed successfully.
- This policy is recommended for containers that should always be in running state.

OnFailure Restart Policy

- **OnFailure** is only works, if container Process exit with Error code.
- It also works if container liveness probe determine the container unhealthy.
- Use this policy on application that needs to be run successfully and then Stop.

Never Restart Policy

- **Never** allow container to never restart even the container liveness probe failed.
- Use this for application that Run only Once and never automatically restarted.

Hands On Demonstration

Thank You...

Don't be the Same! Be Better!!!
