## **TEKLRN**

## **KUBERNETES LEVEL 32**

- 1. Pod Overhead
  - Enabling Pod Overhead
  - Usage example
- 2. Verify Pod cgroup limits
  - Observability
- 3. Resource Bin Packing for Extended Resources
  - Enabling Bin Packing using RequestedToCapacityRatioResourceAllocation
  - Tuning RequestedToCapacityRatioResourceAllocation Priority Function
  - How the RequestedToCapacityRatioResourceAllocation Priority Function Scores Nodes
- 4. Organizing Cluster Access Using kubeconfig Files
- 5. Supporting multiple clusters, users, and authentication mechanisms
  - Context
  - The KUBECONFIG environment variable
  - Merging kubeconfig files
- 6. File references
- 7. Pod Priority and Preemption
  - How to use priority and preemption
- 8. PriorityClass
  - Notes about PodPriority and existing clusters
  - Example PriorityClass
  - Non-preempting PriorityClass
- 9. Pod priority
  - Effect of Pod priority on scheduling order
  - Preemption
- 10. User exposed information
- 11. Limitations of preemption
  - Graceful termination of preemption victims
- 12. PodDisruptionBudget is supported, but not guaranteed
- 13. Inter-Pod affinity on lower-priority Pods
- 14. Cross node preemption

## 15. Troubleshooting

- Pods are preempted unnecessarily
- Pods are preempted, but the preemptor is not scheduled
- Higher priority Pods are preempted before lower priority pods
- Interactions between Pod priority and quality of service