

TEKLRN

KUBERNETES LEVEL 35

1. Kubernetes Scheduler
 - Scheduling overview
2. kube-scheduler
 - Node selection in kube-scheduler
3. Taints and Tolerations
 - Concepts
 - Example Use Cases
 - Taint based Evictions
 - Taint Nodes by Condition
4. Assigning Pods to Nodes
 - nodeSelector
 - Step Zero: Prerequisites
 - Step One: Attach label to the node
 - Step Two: Add a nodeSelector field to your pod configuration
 - Interlude: built-in node labels
5. Node isolation/restriction
6. Affinity and anti-affinity
 - Node affinity
 - Inter-pod affinity and anti-affinity
 - More Practical Use-cases
 - Always co-located in the same node
 - nodeName
7. Scheduling Framework
 - Framework workflow
 - Scheduling Cycle & Binding Cycle
 - Extension points
 - QueueSort
 - PreFilter
 - Filter
 - PostFilter
8. PreScore
 - Score
 - NormalizeScore
 - Reserve
 - Permit
 - PreBind

9. Bind

- PostBind

10. Plugin API

- Plugin configuration

11. Scheduler Performance Tuning

- Setting the threshold
- Node scoring threshold
- Default threshold
- Tuning percentageOfNodesToScore

12. How the scheduler iterates over Nodes