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Lesson 07 Demo 08

Handling Component Failure Threshold

Objective: To view the nodes within a cluster and gather detailed health information for handling component failure threshold

Tools required: kubeadm, kubectl, kubelet, and containerd

Prerequisites: A Kubernetes cluster (refer to Demo 01 from Lesson 01 for setting up a cluster)

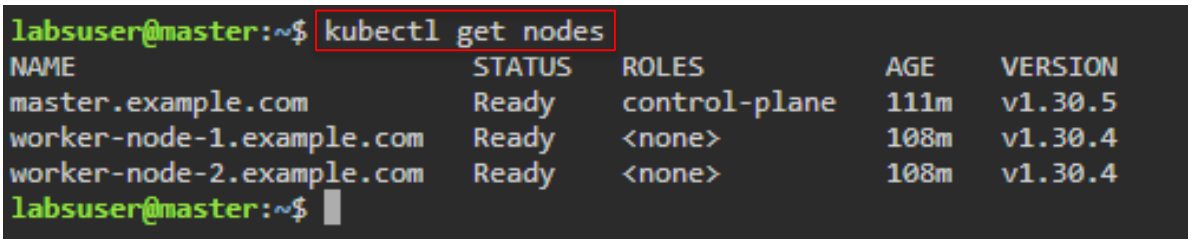
Steps to be followed:

1. Check the cluster's health information

Step 1: Check the cluster's health information

1.1 Execute the following command to check the nodes in the cluster:

kubectl get nodes



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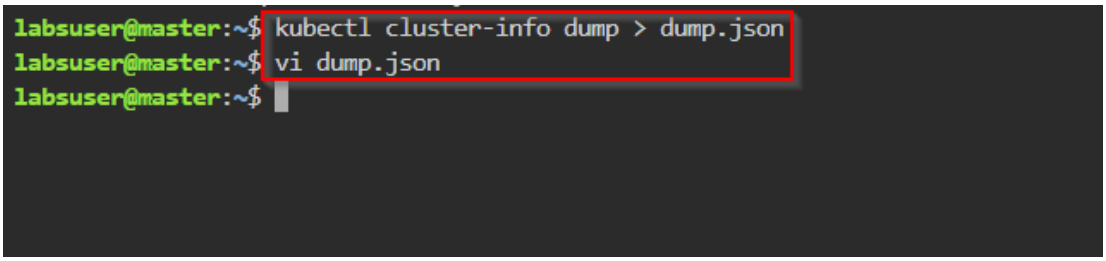
1.2 To check the health information of a cluster and verify its content, execute the following commands:

kubectl cluster-info dump > dump.json

vi dump.json



As shown in the screenshot above, **kubectl cluster-info dump > dump.json** generates a cluster information dump and redirects the output to a file named **dump.json**.

Note: Examine the **dump.json** file to get the details of the cluster's health

By following these steps, you have successfully obtained a comprehensive collection of diagnostic information about the Kubernetes cluster, including details about the cluster's configuration, resources, and status.