**Part –1: Installation, Configuration & Validation**

**Lab1 - Master bring-up using kubeadm**

• Create a master node VM

• Satisfy the pre-requisites

•Install the kubeadm and associated binaries

• Initialize the master assuming you will leverage the flannel CNI

• Apply the flannel CNI

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

**Lab 2 -Worker nodes bring-up using kubeadm**

• Create a worker node VM

• Satisfy the pre-requisites

• Install the kubeadm and associated binaries

• Join the worker to the cluster

• Validate the worker has joined the cluster

A screenshot of a computer

Description automatically generated

**Lab 3 -Manage cluster with kubeadm**

• Generate a new token to add additional worker nodes the cluster

A black screen with white text

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