Name - Mitil·lalwani D15B/37 Advance Devops lab Experiment 3 Aim-To understand the Kubernetes Cluster Architecture, install and spin up a kubernetes cluster on linux machines/cloud platforms. Theory-Kubernetes is a software that automatically manages, scales and maintains multi-container workloads in Modern coptuare is increasingly on as fleets of Features of kubernetes:

1) Standard services like Local DNs and basic load balancing that most applications need and gre easy to use 2) Standard behaviors (restort container if it dies) that are easy to invoke and do most of the work to beep containers moning, available and performant.

3) A standard API that applications can call to easily enable more sophisticated behaviors, making it much easier to create applications that manage other applications. FOR EDUCATIONAL USE (Sundaram)

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