



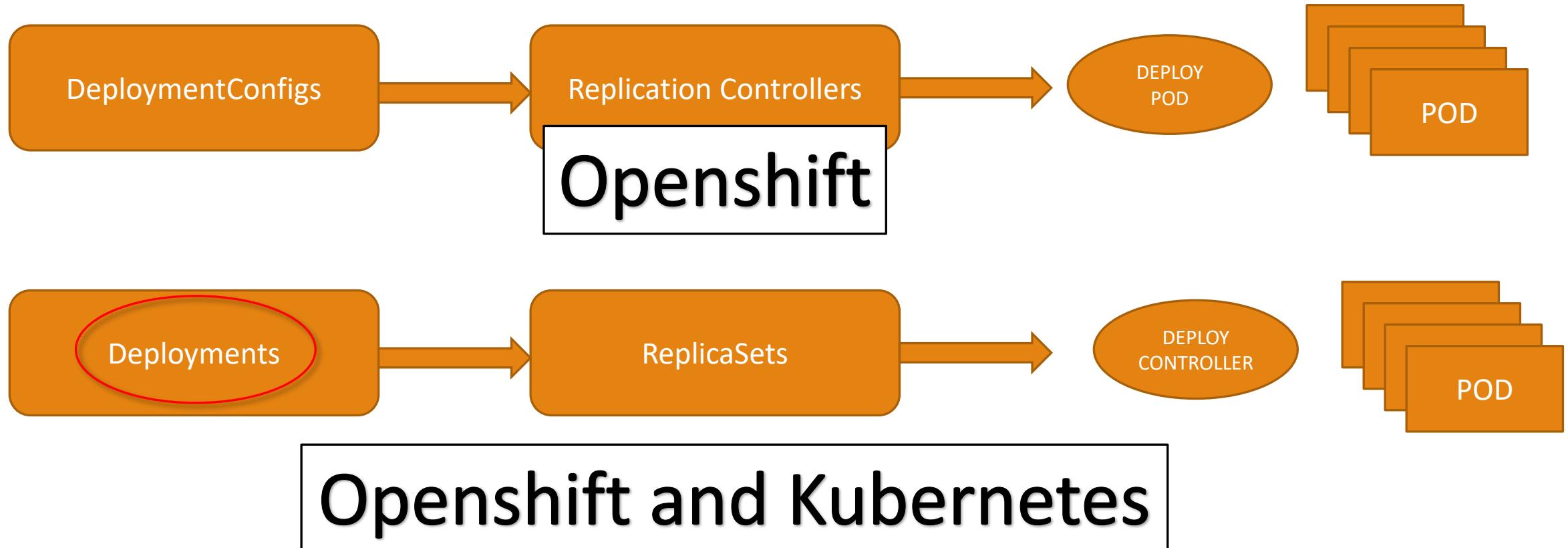
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Openshift from scratch

DEPLOYMENTCONFIGS

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- ❑ Characteristics of a DeploymentConfig.
 - ❑ A DeploymentConfig is actually a template for launching applications.
 - ❑ It has Triggers that trigger automatic deployments in the event of certain events.
 - ❑ There are configurable strategies to determine the transition from the previous version to the current version.
 - ❑ There are a number of hooks (lifecycle hooks) that allow you to configure a behavior at different times in the deployment lifecycle.
 - ❑ Versioning of the application, to be able to perform rollbacks both manually and automatically.
 - ❑ Manual and automatic scaling of replicas is supported.

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- Differences with Kubernetes Deployment.
 - DeploymentConfigs are based on consistency, while Deployments are based on availability.
 - Automatic rollbacks: Deployments do not have automatic rolling back to the last ReplicaSet deployed in case of failure.
 - Lifecycle hooks: Deployments support lifecycle hooks.
 - Custom strategies: Deployments do not have custom deployment strategies.

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- ❑ Differences with Kubernetes Deployment.
 - ❑ ROLLOVER
 - ❑ Deployments can have as many active ReplicaSets as needed, so the deployment controller will handle the download of the old ones and the upload of the new ones.
 - ❑ DeploymentConfigs can only have one deployer pod running. Therefore, only 2 ReplicationControllers can be active at the same time.

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- ❑ Differences with Kubernetes Deployment.
 - ❑ PROPORTIONAL SCALING.
 - ❑ Since the Deployment controller is the one that manages the sizes of the new and old ReplicaSets, the rollouts that are currently in progress can be scaled.
 - ❑ DeploymentConfigs can't be scaled while we're in a rollout because the DeploymentConfig controller isn't able to handle it.