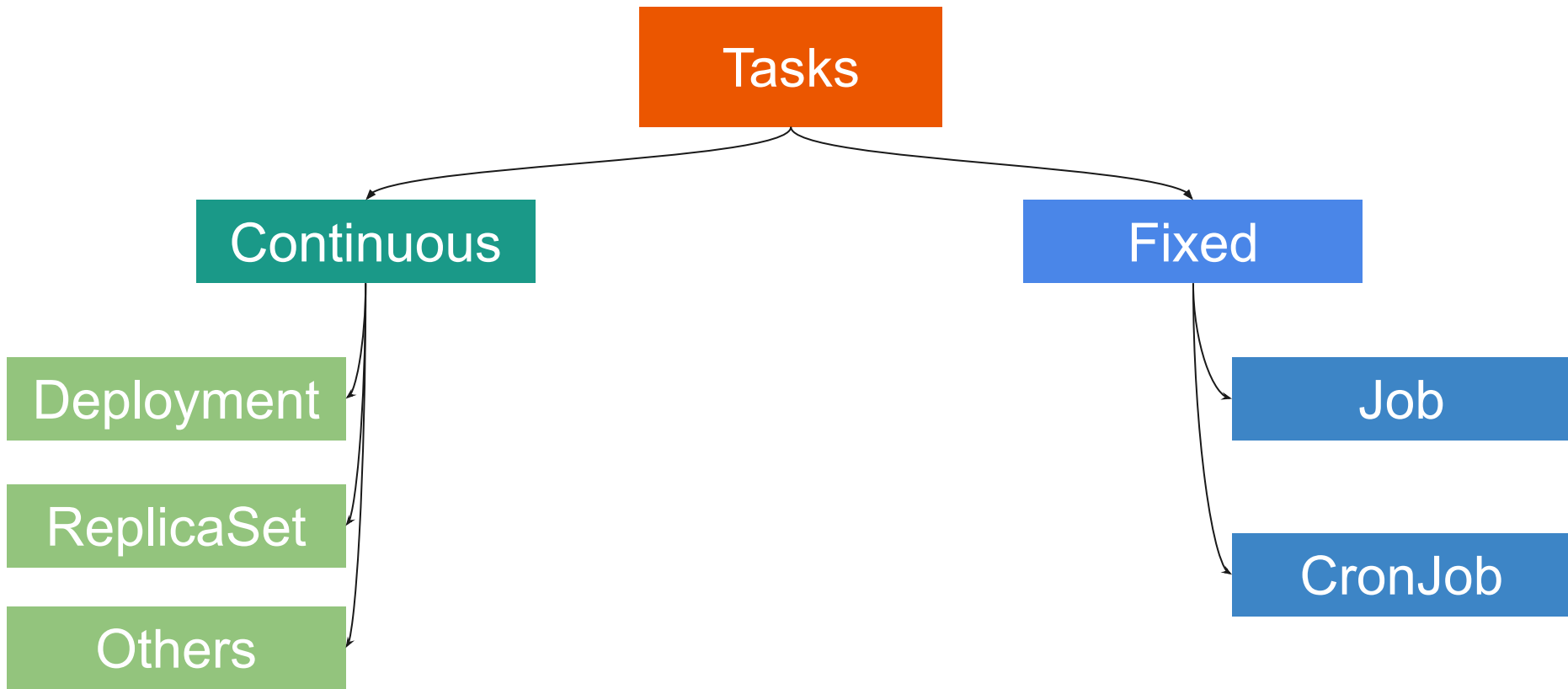# CKA/CKAD : Complete Certification Guide

Jobs in Kubernetes

CKA/CKAD : Certification

CKA/CKAD : Certification

➢ **Job** : Job is used to Execute Ad-Hoc Tasks in Kubernetes.

- ○ Job will execute until task completed.

- ○ Job will create a Pod and mark it completed once complete.

- ○ Job won't delete the Pod on Job Completion.

- ○ User can extract the logs from Pod Logs as job complete/fail.

- ○ On deletion of Job, associated Pod also delete.

Job YAML

```yaml
apiVersion: batch/v1
kind: Job
metadata:
 name: countdown
spec:
 template:
   metadata:
     name: countdown
   spec:
     containers:
     - name: counter
       image: centos:7
       command:
         - "bin/bash"
         - "-c"
         - "for i in 9 8 7 6 5 4 3 2 1 ; do echo $i ; done"
     restartPolicy: Never
```

Kind	API Version
Job	batch/v1

Job YAML

```
............
Spec:
 completions: 5
 parallelism: 1
 ttlSecondsAfterFinished: 100
 activeDeadlineSeconds: 30
 template:
    metadata:
       .................
```

Job repeat until it complete defined number of execution.

Define Number of Parallel thread in case of multiple execution.

Automatically CleanUp the Job after defined TTL.

Terminate a Job is by setting an active deadline. All Running Pods will be terminated and Job Status will marked Failed.

Thank You...

Don't be the Same! Be Better!!!

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