THE LINUX FOUNDATION | Training & Certification

🏠 **KUBERNETES FUNDAMENTALS (LFS258)**   SUPPORT   SIGN OUT

MANAGING STATE WITH DEPLOYMENTS
Managing State with Deployments

Deployment Configuration Status

The **status** output is generated when the information is requested:

```
status:
  availableReplicas: 2
  conditions:
  - lastTransitionTime: 2022-12-21T13:57:07Z
    lastUpdateTime: 2022-12-21T13:57:07Z
    message: Deployment has minimum availability.
    reason: MinimumReplicasAvailable
    status: "True"
    type: Available
  - lastTransitionTime: "2021-07-29T06:00:24Z"
    lastUpdateTime: "2021-07-29T06:00:33Z"
    message: ReplicaSet "test-5f6778868d" has successfully progressed.
    reason: NewReplicaSetAvailable
    status: "True"
    type: Progressing
  observedGeneration: 2
  readyReplicas: 2
  replicas: 2
  updatedReplicas: 2
```

The output above shows what the same deployment were to look like if the number of replicas were increased to two. The times are different than when the deployment was first generated.

Click on the boxes to learn more about additional elements.

Explanation of Additional Elements

availableReplicas   Close ⌃

Indicates how many were configured by the ReplicaSet. This would be compared to the later value of **readyReplicas**, which would be used to determine if all replicas have been fully generated and without error.

observedGeneration   Close ∧

Shows how often the deployment has been updated. This information can be used to understand the rollout and rollback situation of the deployment.