# Kubernetes Cluster: Status of Node is NotReady – How to fix this

*Stuck with the Kubernetes Cluster: Status of Node is NotReady error? We can help you.*

Generally, with this error, we will have an unstable cluster.

As part of our Server Management Services, we assist our customers with several Kubernetes queries.

Today, let us see how we can fix this error quickly.

## Kubernetes Cluster: Status of Node is NotReady

Recently, one of our customers came to us regarding this query. For him, the status of the node was returning as "NotReady". In such a case, the cluster is unstable.

For example,

```
backend7-123:~ # kubectl get nodes
```



```
kubectl describe node 10.0.xx.xx
```

```
Conditions:
  Type              Status    LastHeartbeatTime
LastTransitionTime               Reason                     Message
  ----              ------    -----------------
------------------              ------                     -------
  OutOfDisk         Unknown   Tue, 29 Jan 2019 11:06:05 +0800   Tue, 29
Jan 2019 11:06:45 +0800   NodeStatusUnknown       Kubelet stopped
posting node status.
  MemoryPressure    Unknown   Tue, 29 Jan 2019 11:06:05 +0800   Tue, 29
Jan 2019 11:06:45 +0800   NodeStatusUnknown       Kubelet stopped
posting node status.
  DiskPressure      Unknown   Tue, 29 Jan 2019 11:06:05 +0800   Tue, 29
Jan 2019 11:06:45 +0800   NodeStatusUnknown       Kubelet stopped
posting node status.
  PIDPressure       False     Tue, 29 Jan 2019 11:06:05 +0800   Mon, 28
Jan 2019 15:11:01 +0800   KubeletHasSufficientPID   kubelet has
sufficient PID available
  Ready             Unknown   Tue, 29 Jan 2019 11:06:05 +0800   Tue, 29
Jan 2019 11:06:45 +0800   NodeStatusUnknown       Kubelet stopped
posting node status.
```

Here, we can see that the output displays, 'Kubelet stopped posting node status'.

Then, we proceed to review the node104 node.

```
tail /var/log/messages
```

This will return us results showing, not found.

**How to solve this?**

Moving ahead, let us see how our Support Techs fix this error for our customers.

- Restart each component in the node

```
systemctl daemon-reload
systemctl restart docker
systemctl restart kubelet
systemctl restart kube-proxy
```

Then we run the below command to view the operation of each component. In addition, we pay attention to see if it is the current time of the restart.

```
ps -ef |grep kube
```

Suppose the kubelet hasn't started yet. This means the node is not checked in the master.

- View firewall issues

```
systemctl status firewalld
----------carried out
systemctl stop firewalld
systemctl enable firewalld
```

We need to make sure the firewall is off

```
systemctl status firewalld
```

Finally, on the LB load balancing server, check the running log to monitor the running of k8s in real-time:

```
tail /var/log/nginx/k8s-access.log -f
```

Eventually, we can see the fix.