

Book of Cloud Native Services - Partner Kubernetes Distributions

[PDF generated May 09 2022. For all recent updates please see the Nutanix Bible releases notes located at https://nutanixbible.com/release_notes.html. Disclaimer: Downloaded PDFs may not always contain the latest information.]

The Nutanix Cloud Platform is an ideal solution for running any certified Kubernetes distribution. Nutanix brings an enterprise-class platform with all the resources needed to successfully run your modern applications at scale.

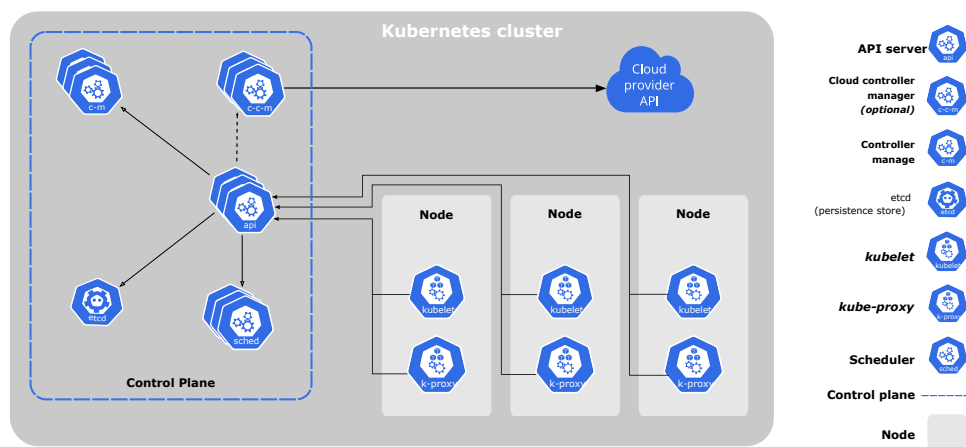
Kubernetes distributions require compute, network, and storage. With Nutanix, these resources are easily accessible to IT administrators and developers to run their preferred Kubernetes distributions. Several leading Kubernetes distribution providers have certified their solutions for use with Nutanix including Red Hat OpenShift, Google Anthos, and several others. View our supported [partner software solutions](#) online on the Nutanix support portal.



Kubernetes architecture

All Kubernetes distributions have a base architecture with the following components at a minimum:

- etcd - the key-value store for storing all Kubernetes cluster configuration data, state data, and metadata.
- Kubernetes control plane - this includes the Kubernetes API server and other components for scheduling pods and detecting and responding to cluster events.
- Kubernetes worker nodes - Machines that host the application workloads.



In addition, these components run on all Kubernetes control plane and worker nodes.

- Kubelet
- Kube-proxy

- Container runtime

Detailed information on these components can be found in the [Kubernetes documentation](#).