**Kubernetes**

* Kubernetes is an open source container orchestration engine for automating deployment, scaling, and management of containerized applications.
* The open source project is hosted by the Cloud Native Computing Foundation ([CNCF](https://www.cncf.io/about)).
* Kubernetes **automates operational tasks of container management** and includes built-in commands for deploying applications, rolling out changes to your applications, scaling your applications up and down to fit changing needs, monitoring your applications, and more—making it easier to manage applications.
* Kubernetes, or K8s for short, is **an open-source container-orchestration tool designed by Google**.
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* It's used for bundling and managing clusters of containerized applications — a process known as 'orchestration' in the computing world.