



# Concepts

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The Concepts section helps you learn about the parts of the Kubernetes system and the abstractions Kubernetes uses to represent your cluster, and helps you obtain a deeper understanding of how Kubernetes works.

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### Overview

Kubernetes is a portable, extensible, open source platform for managing containerized workloads and services that facilitate both declarative configuration and automation. It has a large, rapidly growing ecosystem. Kubernetes services, support, and tools are widely available.

### Cluster Architecture

The architectural concepts behind Kubernetes.

### Containers

Technology for packaging an application along with its runtime dependencies.

### Workloads

Understand Pods, the smallest deployable compute object in Kubernetes, and the higher-level abstractions that help you to run them.

### Services, Load Balancing, and Networking

Concepts and resources behind networking in Kubernetes.

### Storage

Ways to provide both long-term and temporary storage to Pods in your cluster.

## Configuration

Resources that Kubernetes provides for configuring Pods.

## Security

Concepts for keeping your cloud-native workload secure.

## Policies

Manage security and best-practices with policies.

## Scheduling, Preemption and Eviction

## Cluster Administration

Lower-level detail relevant to creating or administering a Kubernetes cluster.

## Windows in Kubernetes

Kubernetes supports nodes that run Microsoft Windows.

## Extending Kubernetes

Different ways to change the behavior of your Kubernetes cluster.

## Feedback

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