

Cloud Deployment Model Overview

Cloud deployment models define the type of access to the cloud and describe how cloud infrastructure and services are owned, operated, and made available. The key deployment models are as follows:

Public Cloud

Public cloud is operated by third-party providers who offer computing services over the Internet. Resources are shared among multiple tenants.

- Owned and managed by cloud providers
- Accessible to anyone with an account
- Scalable and cost-effective

Private Cloud

Private cloud is used exclusively by a single organization. It can be managed internally or by a third party.

- Greater control and customization
- Enhanced security and privacy
- May be hosted on-premises or by external providers

Hybrid Cloud

Hybrid cloud combines public and private cloud environments, allowing data and applications to be shared between them.

- Flexibility in workload placement
- Improved scalability and control
- Integration of on-premises and cloud resources

Community Cloud

Community cloud is shared by several organizations with common concerns, such as security or compliance.

- Collaboration among organizations
- Shared infrastructure and costs
- Customized to specific community needs