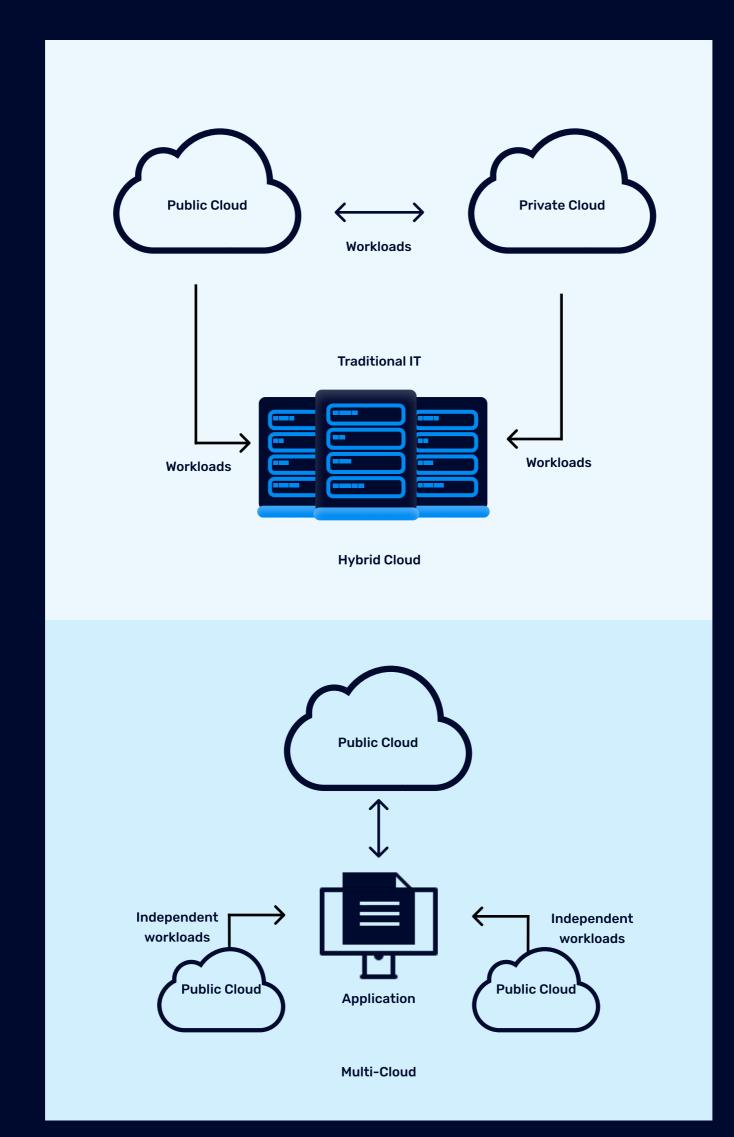
Hybrid vs Multi-Cloud:

Different Stacks for Different Tasks

Navigating the ever-evolving cloud landscape and choosing the right cloud architecture can be a daunting task. Two options gaining popularity are hybrid and multi cloud. They offer flexibility and scalability, but their differences are crucial to understand. This infographic explores the key distinctions between hybrid and multicloud.



Multi-Cloud

Hybrid Cloud The Best of Both Worlds

private cloud environments, providing a mix of agility and control. Sensitive data can reside in the private cloud, while public cloud resources offer on-demand scalability for non-critical workloads

A hybrid cloud combines public and

variety

Multi-cloud involves leveraging multiple

Spreading the risk and embracing

public cloud providers, like AWS, Azure, and GCP, each offering specialised strengths.

Hybrid cloud combines the use of Multi-cloud Involves the use of multiple

private and public cloud services

public cloud services from different providers

Delegated to cloud platforms without Distributed across multiple cloud and

portable and interchangeable environment

on-premises environments – highly

interoperability between providers

Maintain control over sensitive data or

workloads

features and services provided by different cloud providers

Cost optimisation, avoiding vendor lock-

in, or taking advantage of unique

Multiple public clouds: e.g. GCP + AWS + Azure

infrastructure

within the private cloud.

customer-maintained datacenter

A public cloud AND an on-prem

Sensitive data remains on-premises

 Tailored control: Organisations can customise their infrastructure to specific needs.

Enhanced security and data privacy:

- Continuity for legacy systems: Existing on-premises infrastructure can be integrated seamlessly.
- Access to specialised services: Leverages unique strengths of different cloud providers. Improved disaster recovery:

Redundancy across multiple clouds

· Vendor neutrality: Avoids lock-in to a

single provider, ensuring flexibility

and better pricing.

Integration challenges: Managing

and integrating multiple cloud

environments can be complex.

Security concerns: Maintaining

enhances fault tolerance.

Potential vendor lock-in: Reliance on

specific vendors for private cloud solutions can limit flexibility. Higher costs: Maintaining both public and private infrastructure can be

Increased complexity: Managing and

integrating multiple environments

requires specialised expertise.

- expensive.
- consistent security policies across different providers can be difficult. · Limited cost savings: Managing multiple accounts can negate

potential cost advantages.

· You prioritise vendor neutrality and

You require specialised services

want to avoid lock-in.

- You rely heavily on legacy systems offered by different cloud providers. that are not easily cloud-migrated. You have disaster recovery and high

your cloud strategy, click here.

your infrastructure.

You have strict data privacy

regulations or compliance

requirements.

availability requirements.

The Verdict:

You require granular control over

It's All About Your Needs

Both hybrid and multi-cloud offer distinct advantages, and the optimal choice depends

on your specific requirements. Consider factors like security, control, scalability, and cost when making your decision. For organisations with sensitive data or legacy systems, hybrid might be ideal. For those seeking advanced services and vendor neutrality, multi cloud could be the answer. Ultimately, the best approach is the one

By understanding the nuances of hybrid and multi-cloud, software engineers and CTOs

can make informed decisions that empower their teams to build, innovate, and deliver

exceptional software solutions. To learn more about how Deimos can help you with

that best aligns with your software development goals and infrastructure needs.

