Differences Between Public, Private & Hybrid Cloud

Cloud computing is the storage and management of confidential data. How this system is organized falls into one of three categories: public, private or hybrid.

PUBLIC

The most popular method, in which the infrastructure of a public cloud is operated by a third-party, delivered via the Internet and shared by multiple organizations

USED FOR:
+ Communication services for a specific number of users
+ Apps/services necessary to perform certain operations
+ Software development and test environments

ADVANTAGES
+ Offers high elasticity and scalability
+ Minimizes in-house IT responsibilities
+ Cost-effective

DISADVANTAGES
+ Limited control and customization options
+ Security vulnerabilities
+ Restricted visibility, potentially impacting compliancy

PRIVATE

Cloud computing dedicated solely to a single organization, with IT resources being run and maintained on a private network

USED FOR:
+ Securing advanced or sensitive data
+ Government and financial agencies
+ Highly regulated industries

ADVANTAGES
+ Exclusive environment
+ Advanced customization and control
+ High flexibility and efficiency

DISADVANTAGES
+ Expensive
+ Reduced mobile friendliness
+ Limited scalability

HYBRID

A mixed computing, storage and services environment in which cloud resources are delivered in both private and public models

USED FOR:
+ Varying security, regulatory and performance requirements
+ Delivering advanced integration while maintaining privacy
+ Optimizing on cloud investments without compromising on the value of public or private cloud technologies

ADVANTAGES
+ Highly flexible, policy-driven environment
+ Reliability and scalability
+ Cost control and resource optimization

DISADVANTAGES
+ Added complexity
+ Increased management requirements
+ Pricey investment

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