MPRASHANT

CLOUD COMPUTING

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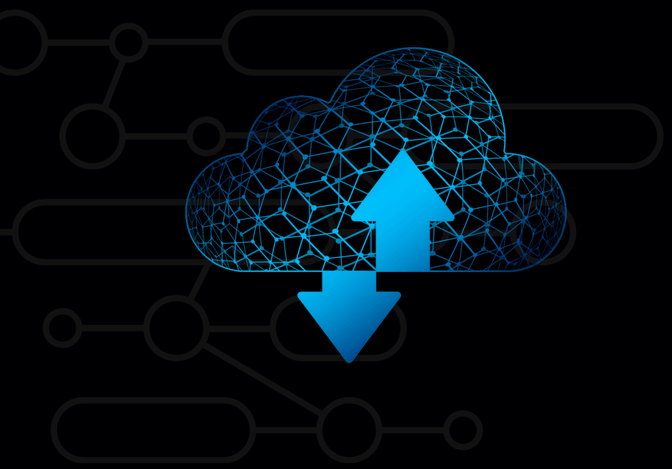
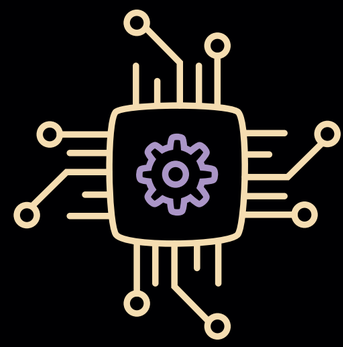
On-demand delivery of IT resources over the Internet with pay-as-you-go pricing..





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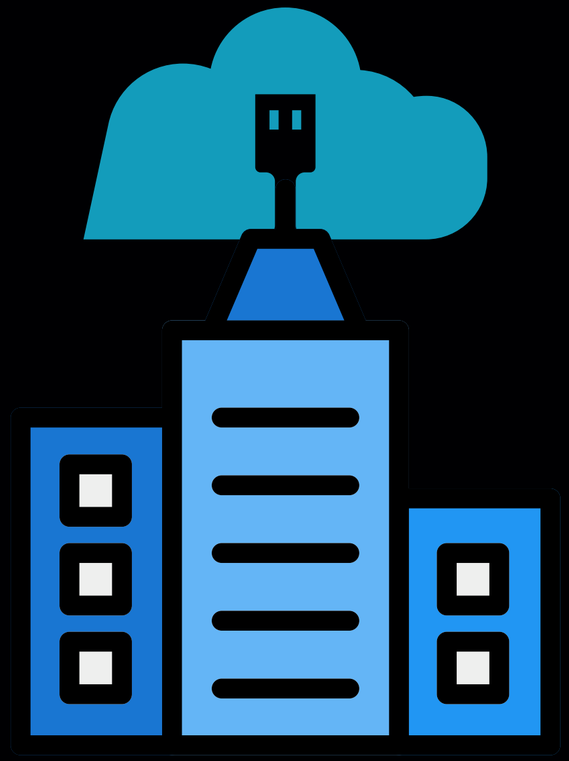
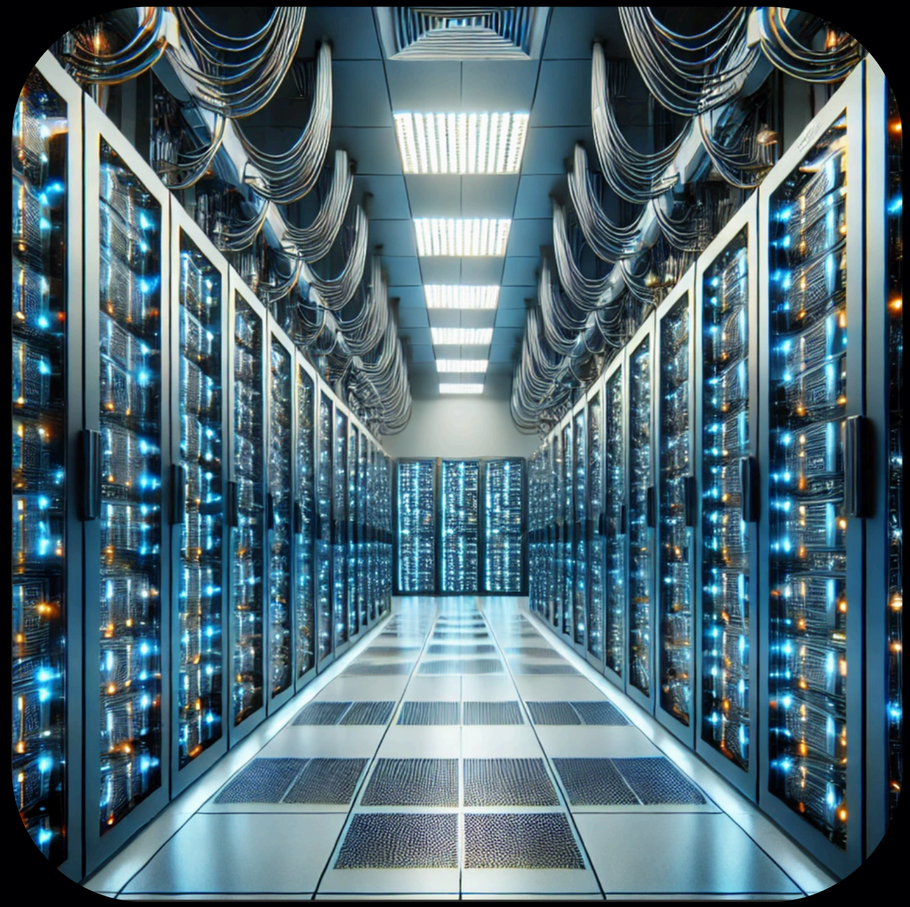
Access computing resources (like servers, storage, databases, and software) over the internet, rather than owning and maintaining physical hardware.



- Amazon Web Services (AWS)
- Microsoft Azure
- Google Cloud Platform (GCP)
- IBM Cloud
- Oracle Cloud
- Alibaba Cloud
- DigitalOcean
- Salesforce
- VMware Cloud
- Rackspace Cloud


WWS

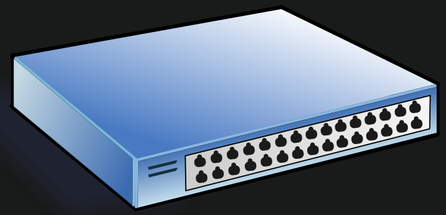


Virtualization is the process of creating multiple simulated environments or virtual machines from a single physical hardware system, enabling more efficient resource use.


#SALE


WWW
#SALE


24h



AWS AZURE GCP...

TYPES OF CLOUD COMPUTING

- **IaaS**
- **PaaS**
- **SaaS**

Infrastructure as a Service (IaaS)

IaaS contains the basic building blocks for cloud IT. It typically provides access to networking features, computers (virtual or on dedicated hardware), and data storage space. IaaS gives you the highest level of flexibility and management control over your IT resources. It is most similar to the existing IT resources with which many IT departments and developers are familiar.

IaaS

Platform as a Service (PaaS)

PaaS removes the need for you to manage underlying infrastructure (usually hardware and operating systems), and allows you to focus on the deployment and management of your applications. This helps you be more efficient as you don’t need to worry about resource procurement, capacity planning, software maintenance, patching, or any of the other undifferentiated heavy lifting involved in running your application.

PaaS

Software as a Service (SaaS)

SaaS provides you with a complete product that is run and managed by the service provider. In most cases, people referring to SaaS are referring to end-user applications (such as web-based email). With a SaaS offering, you don't have to think about how the service is maintained or how the underlying infrastructure is managed. You only need to think about how you will use that particular software.

SaaS

DIFFERENT TYPES OF CLOUD DEPLOYMENTS:

- PUBLIC CLOUD,
- PRIVATE CLOUD, AND
- HYBRID CLOUD.

- **Public Cloud**: A shared cloud environment where multiple users can access services over the internet, like AWS or Azure.

- **Private Cloud**: A dedicated cloud environment for one organization, offering more control and privacy.

- **Hybrid Cloud**: A mix of public and private clouds, allowing data and applications to move between them for flexibility.

FEW FEATURES COMMONLY OFFERED BY CLOUD PROVIDERS:

- COMPUTE SERVICES
- STORAGE SERVICES
- DATABASE SERVICES
- NETWORKING SERVICES
- CONTAINER SERVICES
- SERVERLESS COMPUTING
- MACHINE LEARNING SERVICES
- IDENTITY AND ACCESS MANAGEMENT (IAM)

- MONITORING AND LOGGING
- CONTENT DELIVERY NETWORK (CDN)
- BACKUP AND DISASTER RECOVERY
- SECURITY AND COMPLIANCE TOOLS
- VIRTUAL PRIVATE CLOUD (VPC)
- DATA ANALYTICS SERVICES
- API MANAGEMENT