Skills Network

# IaaS-Infrastructure as a Service

IBM

# Infrastructure-as-a-Service (IaaS)

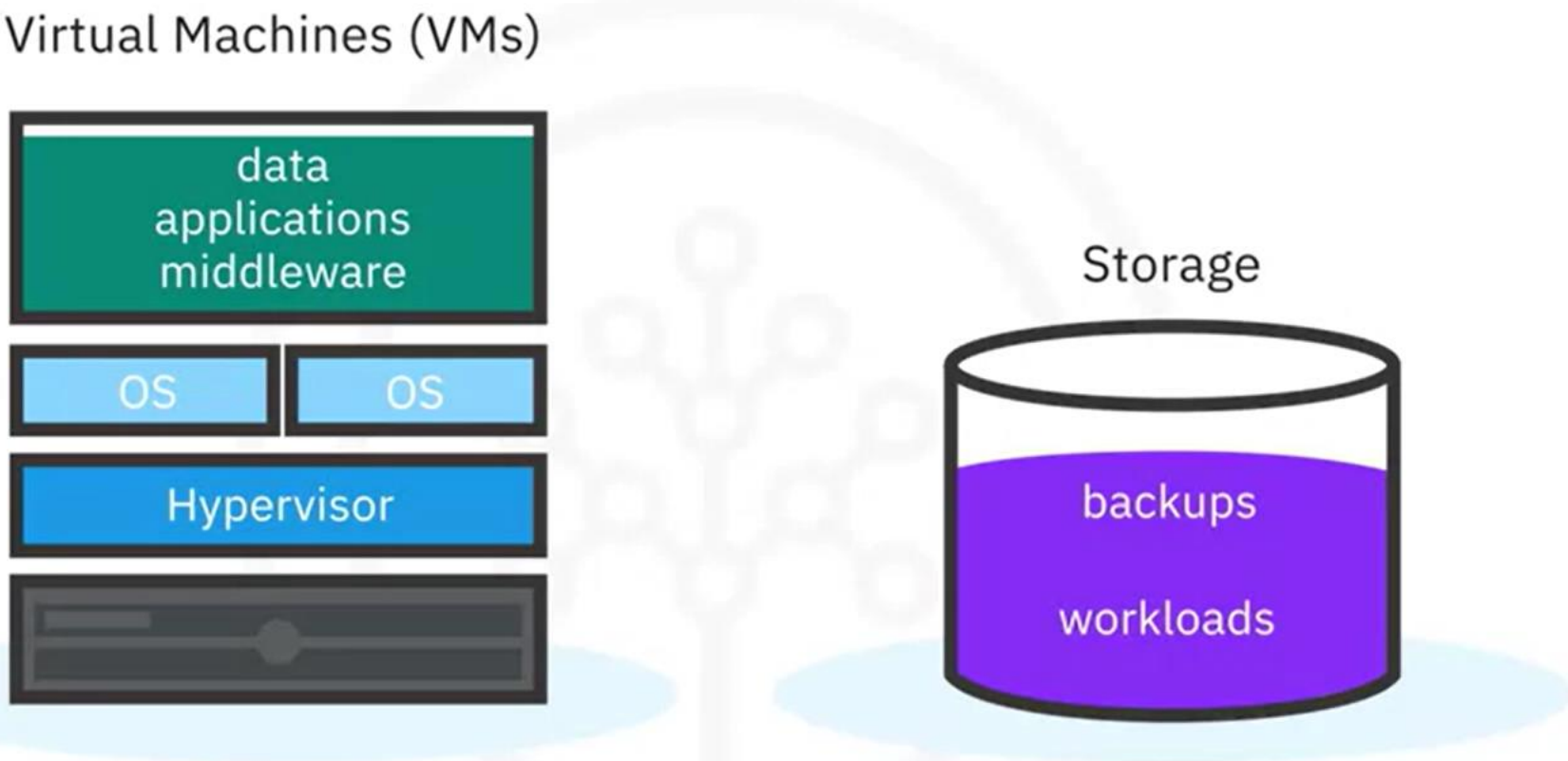
is a form of cloud computing that delivers fundamental:

**compute** **network** **storage**

to consumers on-demand, over the internet, on a pay-as-you-go basis.

The cloud provider hosts the infrastructure components traditionally present in an on-premises data center as well as the virtualization or hypervisor layer.

# IaaS Cloud



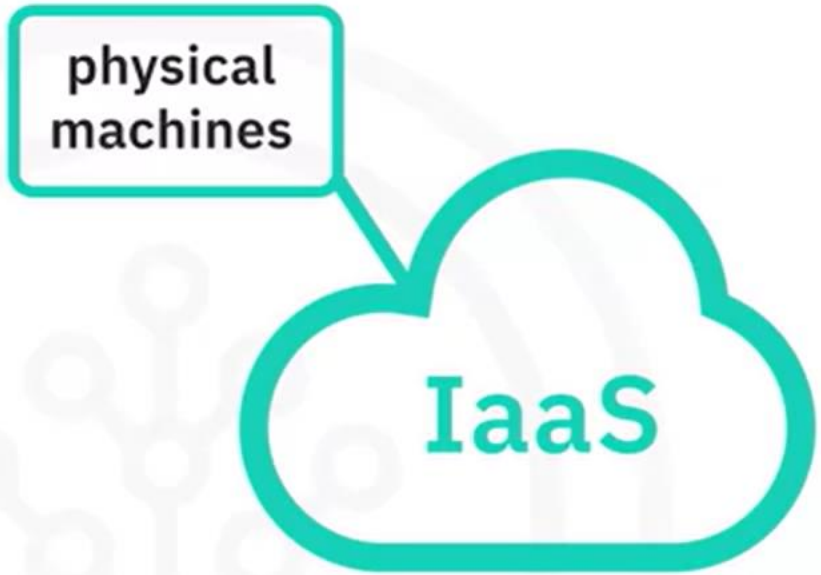

The ability to **track and monitor** the performance and usage of their cloud services and manage **disaster recovery**.

(A) Physical data centers

(B) Compute

(C) Network

(D) Storage




End users do not interact directly with the physical infrastructure but experience it as a **service provided to them**.

(A) Physical data centers

(B) Compute

(C) Network

(D) Storage

Comes with supporting services like auto scaling and load balancing that provide scalability and high performance.

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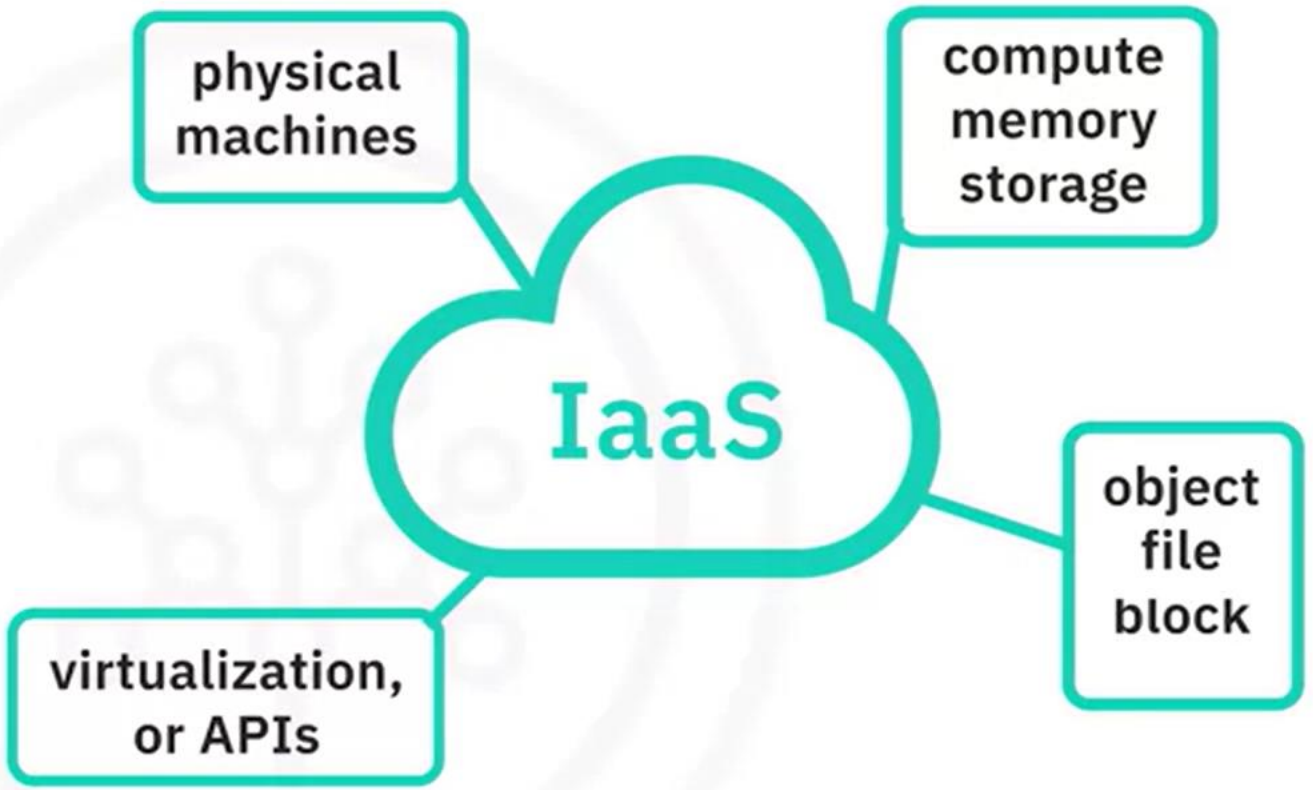


Object storage is the most common mode of storage in the cloud, given that it is highly distributed and

# Test and Development

Enable their teams to set up test and development environments faster.

Helping developers focus more on business logic than infrastructure management.

1 2 3 4 5

# Business Continuity and Disaster Recovery

Require a significant amount of technology and staff investments.

Make applications and data accessible as usual during a disaster or outage.

1 2 3 4 5

# Faster Deployments and Scaling

To deploy their web applications faster.

Scale infrastructure up and down as demand fluctuates.

1 2 3 4 5

# High Performance Computing

To solve complex problems involving millions of variables and calculations.

1 2 3 4 5

# Big Data Analysis

Patterns, trends, and associations requires a huge amount of processing power.

Provides the required high-performance computing but also makes it economically viable.

1 2 3 4 5

# IaaS Concerns

lack of transparency

dependency on a third party