Infrastructure as a Service

Data Center

Servers

Network and Storage

Virtualization
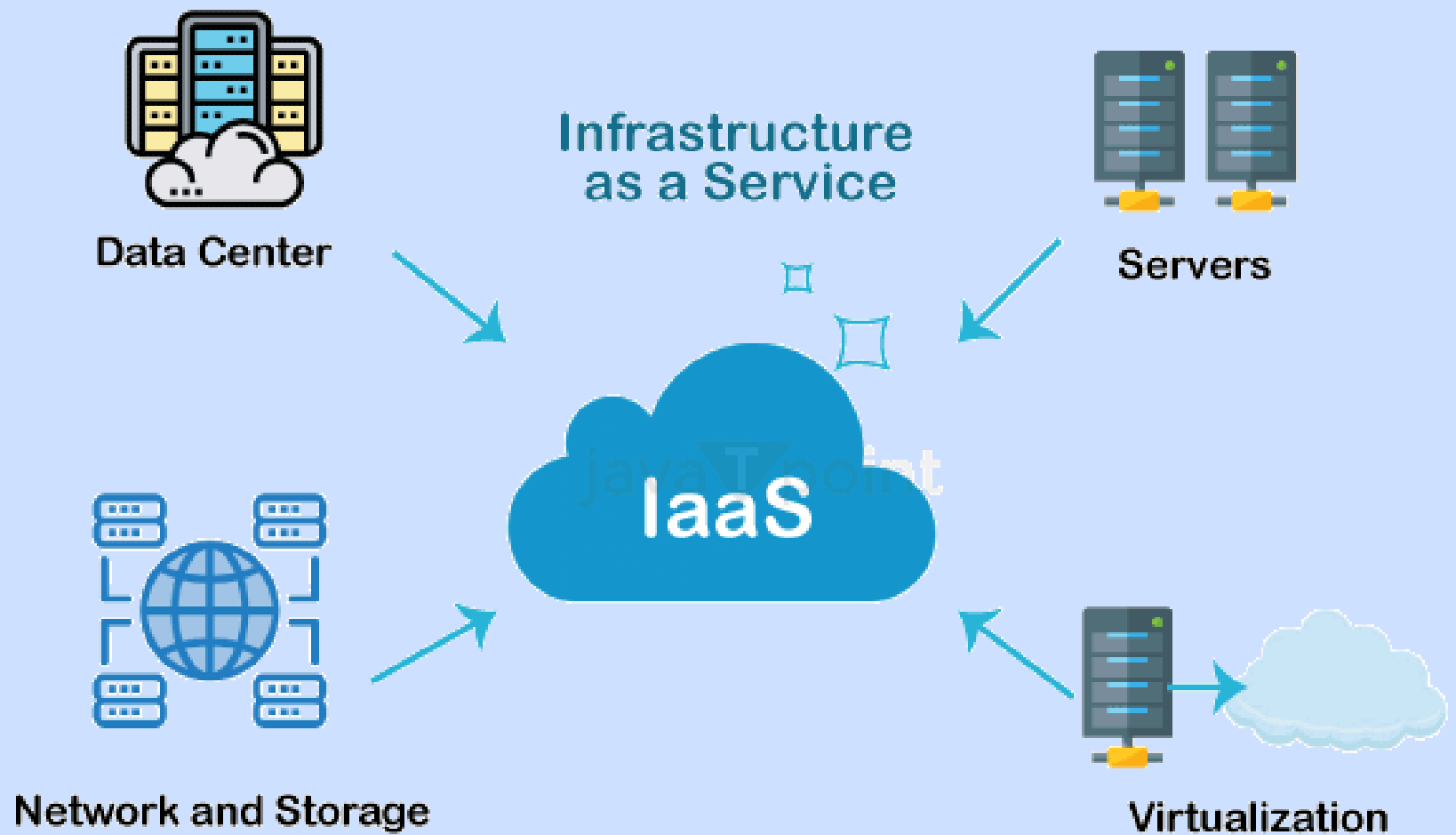
IaaS

Definition:

IaaS provides virtualized computing resources over the internet, including servers, storage, and networking.

Real-Time Examples:

- **Amazon Web Services (AWS) EC2:** For hosting websites or running virtual machines.
- **Microsoft Azure Virtual Machines:** For app development and testing.
- **Google Compute Engine:** For scalable computing.

Definition:

SaaS provides software applications over the internet, accessible via a web browser without installation.

Real-Time Examples:

- **Google Workspace (Docs, Sheets, Gmail):** For collaboration and productivity.
- **Salesforce:** For customer relationship management (CRM).

Zoom: For video conferencing and communication.

PLATFORM AS A SERVICE

HOSTING

SECURITY

DATABASE

SOFTWARE

NETWORK ACCESS

OPERATING SYSTEM

PaaS

Definition:
PaaS offers a platform and environment to develop, test, and deploy applications without managing infrastructure.

Real-Time Examples:
- **Google App Engine:** For deploying scalable web applications.
- **Heroku:** For hosting and managing web apps.
- **Microsoft Azure App Service:** For building mobile and web apps.