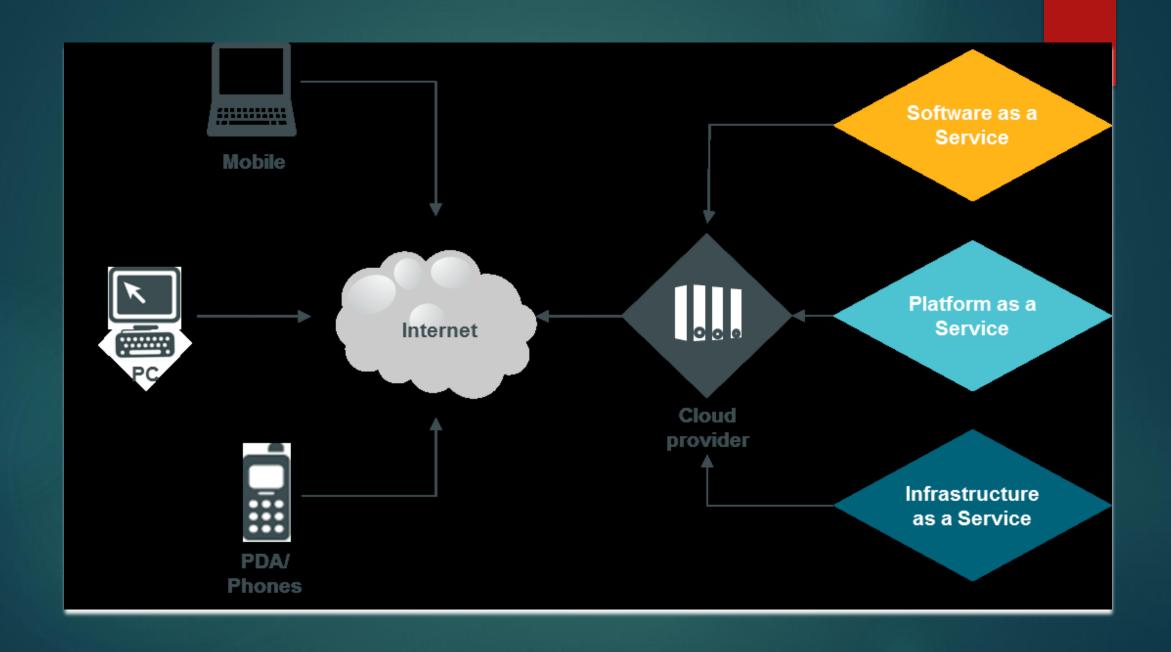
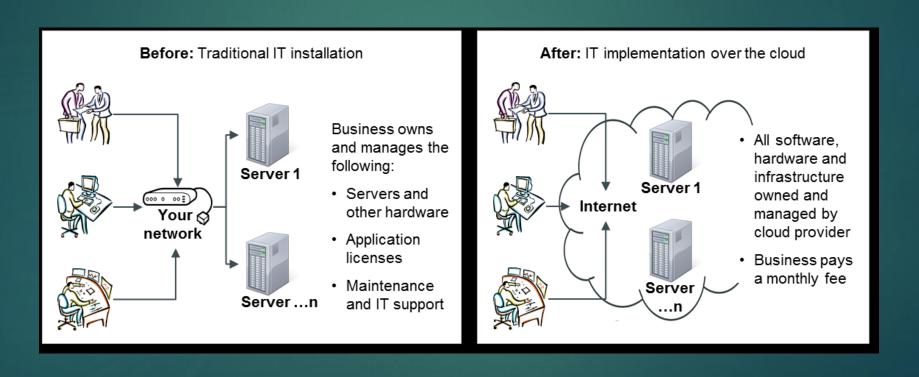
Introduction to Cloud Computing

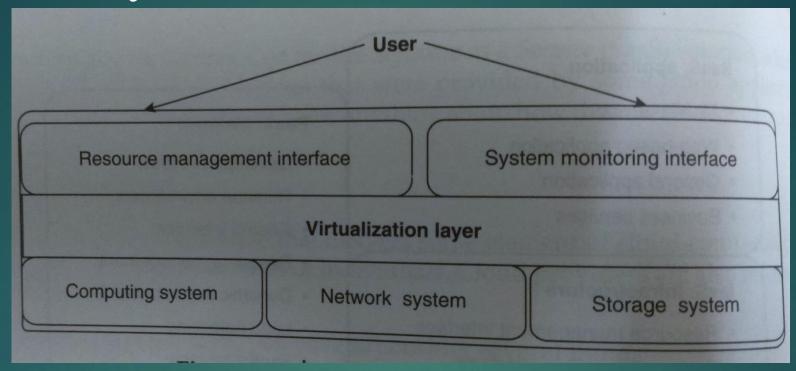
ByMd Ruhul Islam



Traditional IT installation vs IT implementation over the cloud

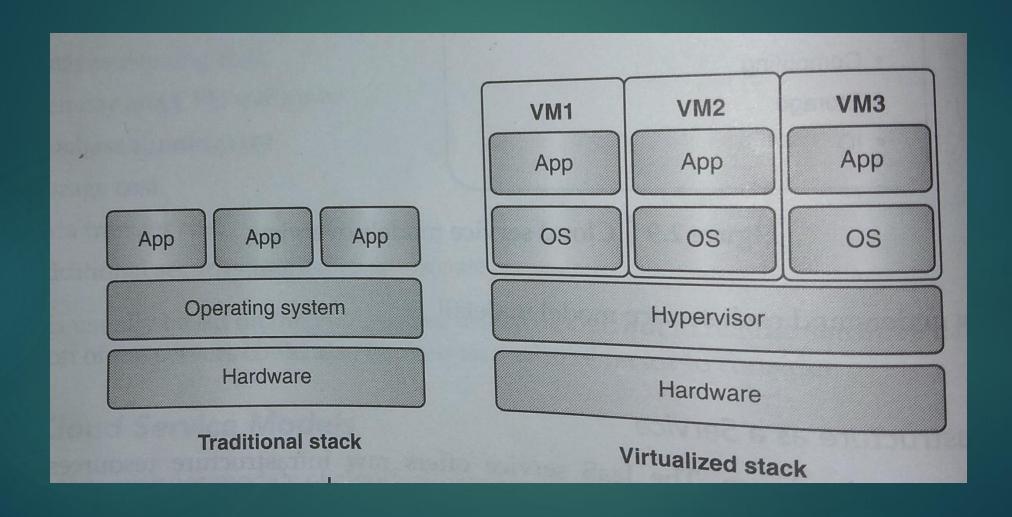


System Architecture of IaaS

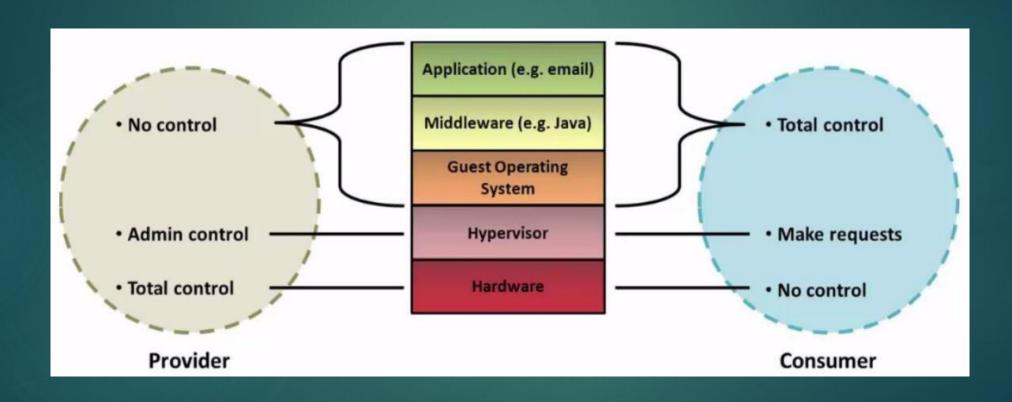


- The main service of laaS is resource management interface.
- Virtualization is the main enabling technique in the laaS system architecture.
- It is the abstraction of logical resources away from physical resources.
- Types of Virtualized resources are virtual machine, Virtual storage and Virtual network.

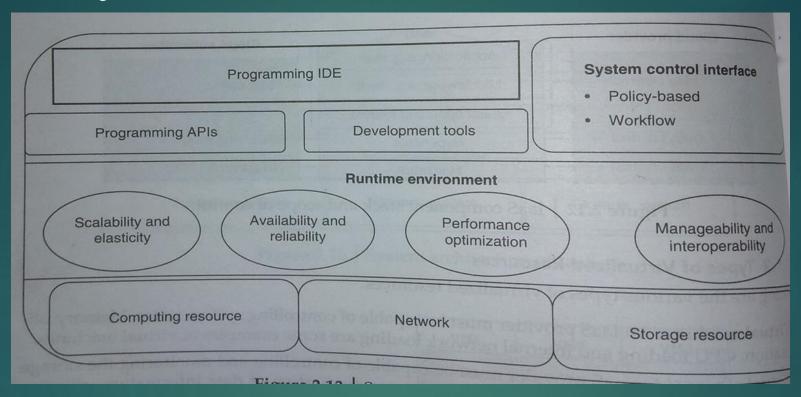
Virtualization



IaaS Protocol Stack



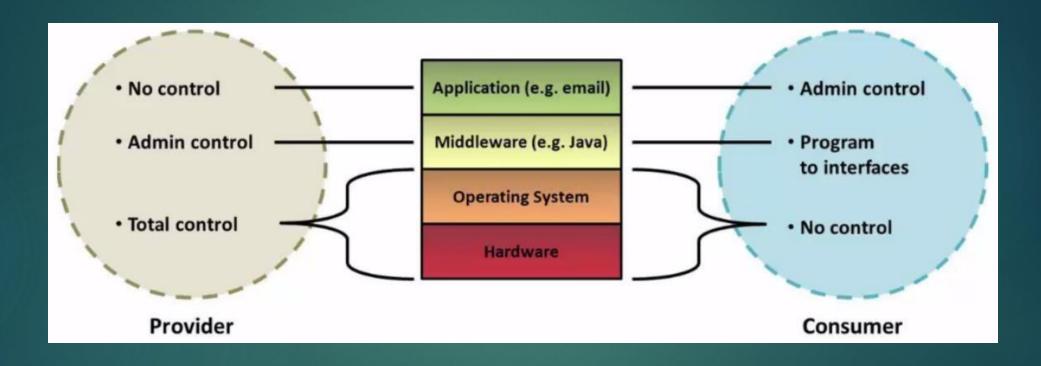
System Architecture of PaaS



The two main features of PaaS is

- Programming IDE- it integrates all development functionalities together which is supporting it from runtime environment. Also offer some tools like debugger, profiler and testing environment.
- System Controller Inrterface- Policy based control and Workflow control.

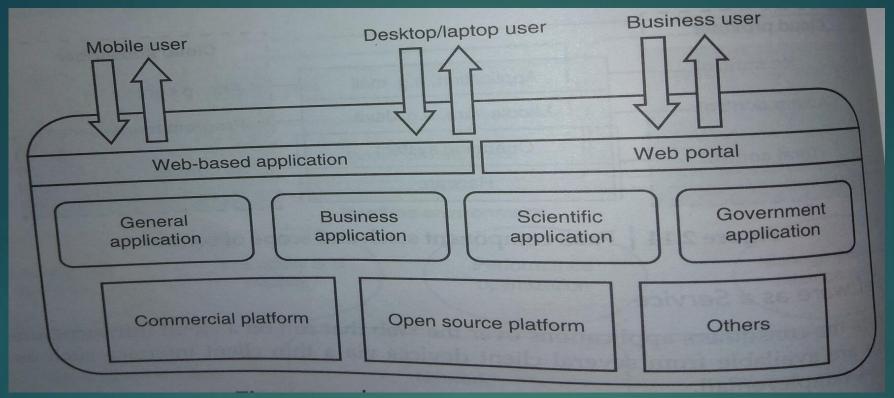
PaaS Software Stack Control



PaaS Benefits

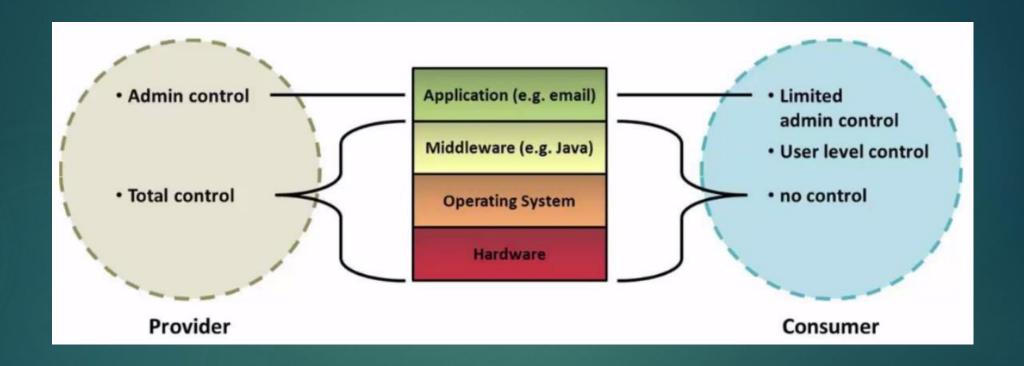
- Reduced Disruption
- Efficient use of Software Licenses
- Centralized Management of Data
- Platform Responsibilities managed by providers
- Up front cost savings

System Architecture of SaaS



- 1. In SaaS main enabling technique is a Web Service which interact with Web application on WWW.
- 2. It provides accessibility and portability through web-based applications.
- 3. SaaS offering Web portal which contains email, latest news, currency exchange and stock price.

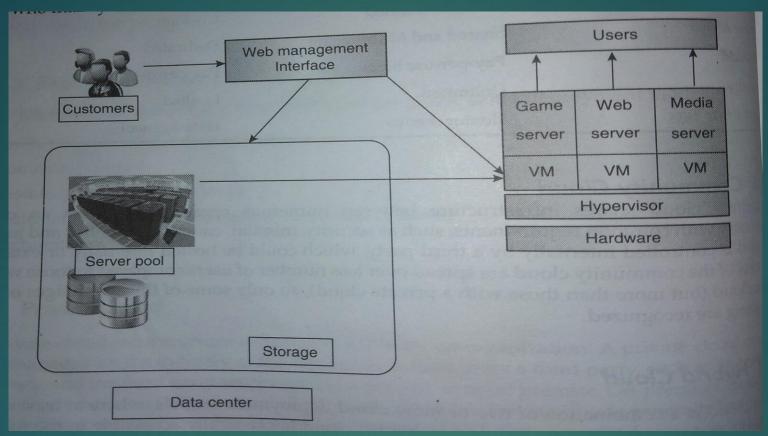
SaaS Software Stack Control



SaaS Benefits

- Reduced Disruption
- Efficient use of Software Licenses
- Centralized Management of Data
- Platform Responsibilities managed by providers
- Up front cost savings

Cloud Architecture



- 1. Cloud Computing architecture is a general high-level view to visualize structure of the system.
- 2. It contains various cloud resources, middleware, software component services and relationships among them.
- 3. User can use various services according to their choice.
- 4. Service provider provides those services with the help of virtualization technique.
- 5. The customer can not see the hidden complexities of the cloud provider.