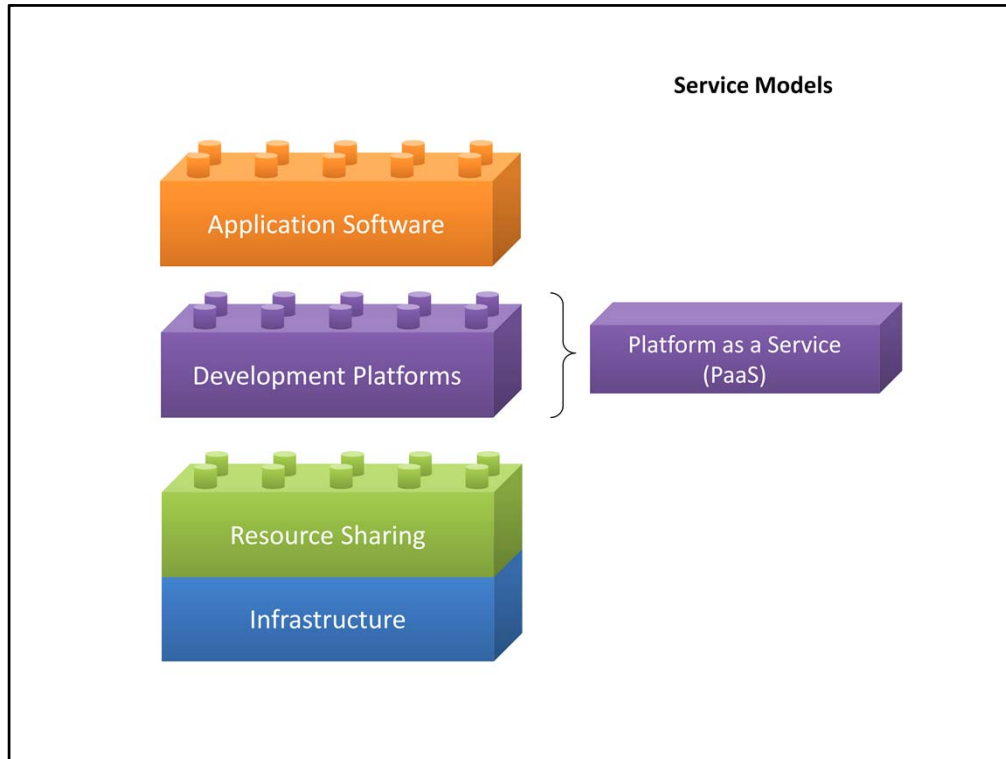


Platform as a Service

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Let us look at Platform-as-a-Service as one of the service models in cloud computing



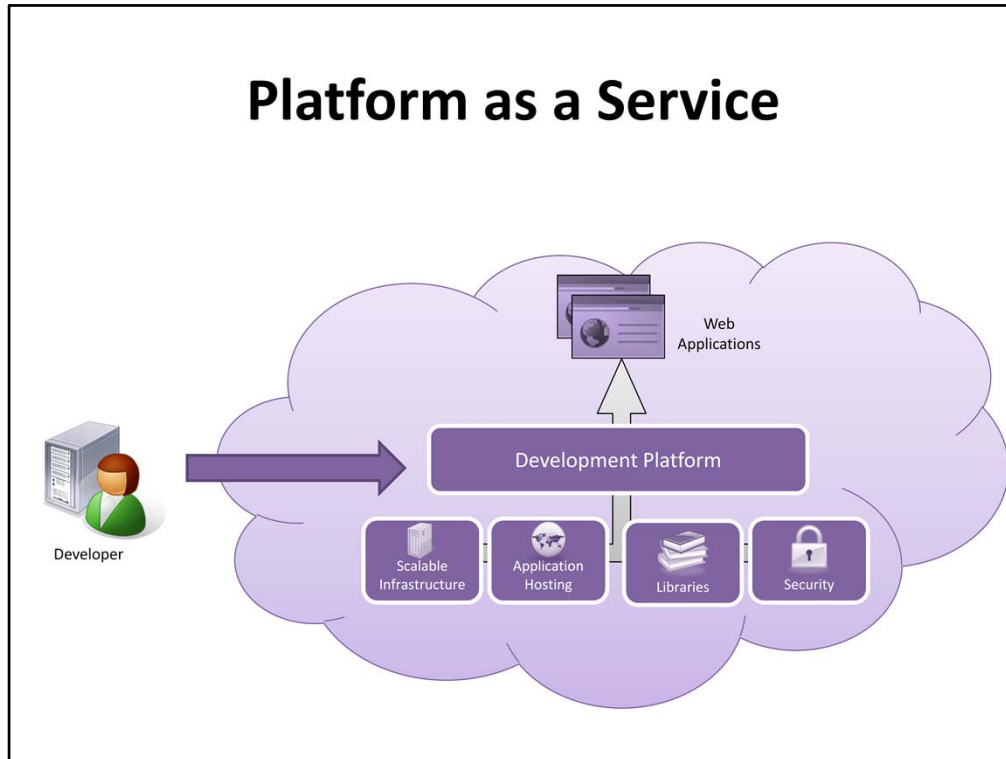
PaaS is a service model that mainly deals with the development platform layer.

Platform as a Service

Platform as a service is a cloud computing model wherein a software development and computing platform is made available to clients which they can use to develop their own applications.

Platform as a service can be viewed as a cloud computing model wherein a software development and computing platform is made available to clients which they can use to develop their own applications.

Platform as a Service



With platform-as-a-service, a developer can access a development platform that is hosted on a cloud. The development platform provides scalable infrastructure and application hosting, but also provides libraries and APIs for the developer to use, along with security and other features to write web applications.

Platform as a Service

Applications are developed using a platform provided by the cloud vendor

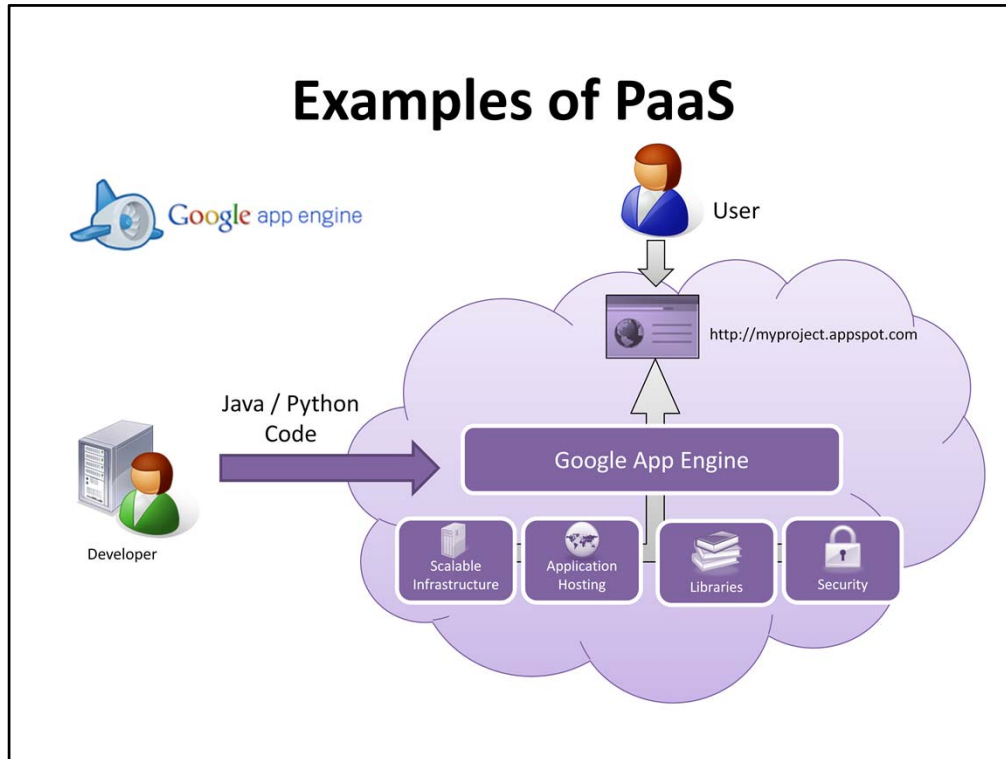
- The cloud vendor provides Tools and APIs for clients to write applications with.
- The client is free to develop their own application within the constraints of the platform.

Applications run on the cloud providers infrastructure

- The cloud provider automatically manages scalability, fail-over, redundancy etc.

Thus, In PaaS, applications are developed using a platform provided by the cloud vendor. The vendor provides tools and APIs for clients to write applications. The applications themselves run on the cloud provider's infrastructure, while the cloud provider automatically manages scalability, fail-over redundancy etc.

Examples of PaaS



An example of a Platform as a Service is Google app engine. A developer can create a web application by writing Java or Python code that utilizes the Google App Engine APIs. The developer then uploads code to Google App Engine. The code runs on Google's infrastructure and provides a web address for users to access the application created by the developer.