Comparing Infrastructure as a Service (laaS) and Platform as a Service (PaaS)



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Overview



What is Platform as a Service?

How do laaS and PaaS Compare?

Demo AWS Elastic Beanstalk



Platform as a Service is for Developers



Platform as a Service (PaaS)

A cloud service for developers who want to develop, run, and manage applications

No servers, storage, network, OS, middleware, or databases are needed

Examples of PaaS are:

- AWS Elastic Beanstalk
- Microsoft Azure App Service
- Google App Engine
- Cloud Foundry
- Heroku



laaS vs PaaS

laaS

PaaS

All servers, storage, and networking are provided

Developers must install their own software such as web servers, database servers, etc.

PaaS runs on top of infrastructure as a service

Developers have access to already installed web servers, database servers, and development libraries



Pizza as a Service

Traditional Infrastructure Platform Software **On-Premises** as a Service as a Service as a Service (On Prem) (laaS) (PaaS) (SaaS) **Dining Table Dining Table Dining Table Dining Table** Soda Soda Soda Soda Electric / Gas Electric / Gas Electric / Gas Electric / Gas Oven Oven Oven Oven Fire Fire Fire Fire Pizza Dough Pizza Dough Pizza Dough Pizza Dough **Tomato Sauce Tomato Sauce Tomato Sauce Tomato Sauce Toppings Toppings Toppings Toppings** Cheese Cheese Cheese Cheese Pizza Made at Dined Take & Bake Delivered Out home

Vendor Manages

You Manage



Demo



Amazon's PaaS: Elastic Beanstalk



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