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Comparing Cloud service models: IaaS, PaaS, SaaS

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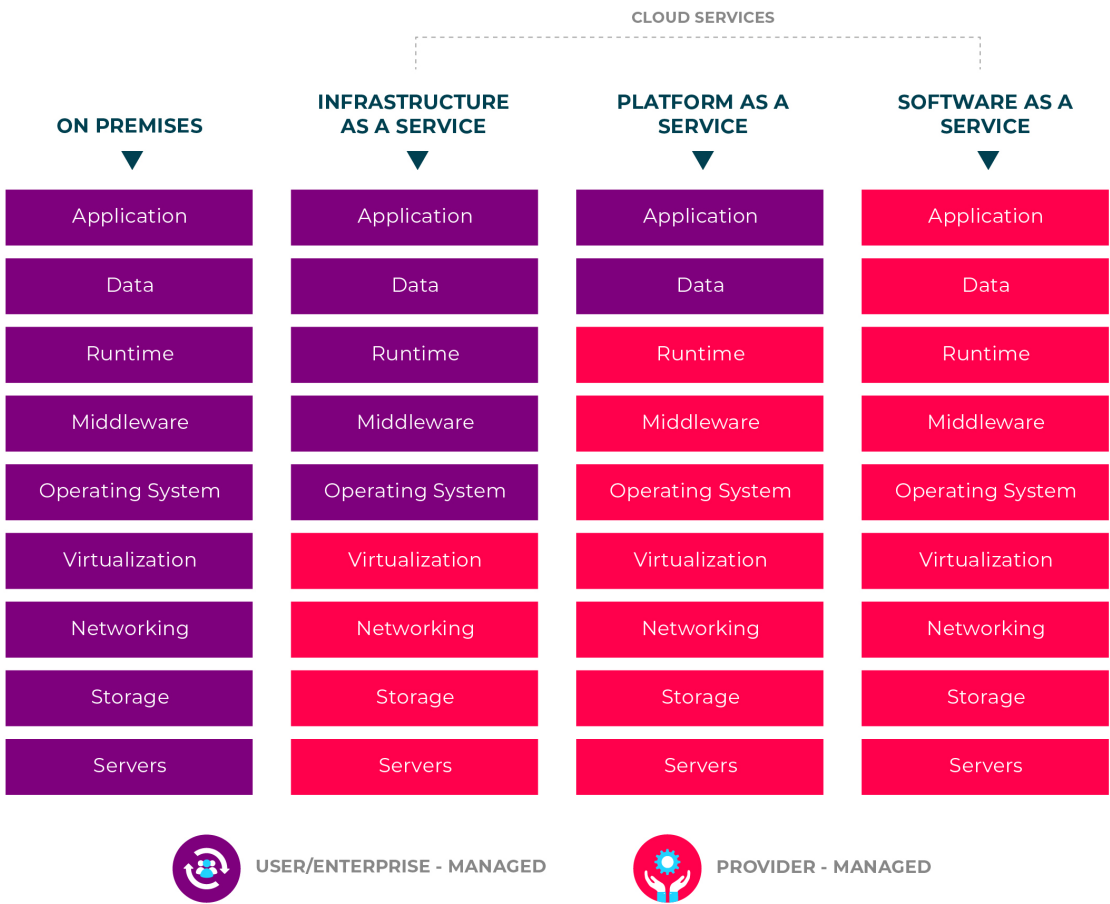
Overview

Infrastructure as a Service, Platform as a Service and Software as a Service.

The main differences between the three models can be summed up as follows:

- IaaS** gives maximum flexibility for hosting custom built applications or acting as a data centre for data storage
- PaaS** built on top of IaaS reduces the need for administering the system. Frees up time: by not needing to manage infrastructure, time can then be used for development of the application.
- SaaS** is an out-of-the-box solution ready to be used that meets a specific business use. Built on top of IaaS and PaaS.

Here's a diagram of the different responsibilities between each model:



When picking which model to use, think about how much control you might require for the given task.

This will make it easier to decide which model to select.

Tutorial

Try answering the following questions:

- If you're a developer that want's to deploy your application with minimal effort which model would you use?

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IDE Cheatsheet

- If you're a company that needs an emailing service which model would you choose?
- If you're a company working with a contract that requires you to have strict control over the resources which model would you use?

Exercises

There are no exercises for this module.