Service Models responsibilities

**As a service** means which party will manage the particular layer and all the layers below.

* **Software** layer consists the application (application code and set) & the application data
* **Platform** layer means all the supporting software and the operating system required to host the application
* **Infrastructure** layer consists hardware the infrastructure and virtualization required to host the platform

| Layer | Layer |
| --- | --- |
| Application | Software |
| Data | Software |
| Runtime | Platform |
| Middleware | Platform |
| Operating System | Platform |
| Virtualization | Infrastructure |
| Servers | Infrastructure |
| Networking | Infrastructure |
| Storage | Infrastructure |

Responsibility Matrix

As such following table represents responsibilities

| Layer | On-Premises | IaaS | PaaS | SaaS |
| --- | --- | --- | --- | --- |
| Application | You | You | You | Cloud provider |
| Data | You | You | You | Cloud provider |
| Runtime | You | You | Cloud provider | Cloud provider |
| Middleware | You | You | Cloud provider | Cloud provider |
| Operating System | You | You | Cloud provider | Cloud provider |
| Virtualization | You | Cloud provider | Cloud provider | Cloud provider |
| Servers | You | Cloud provider | Cloud provider | Cloud provider |
| Networking | You | Cloud provider | Cloud provider | Cloud provider |
| Storage | You | Cloud provider | Cloud provider | Cloud provider |

EXAMPLES:

1. IAAS - Amazon Web Services (AWS)
2. PAAS – Heroku
3. SAAS - Microsoft 365, Netflix

PRACTICE TEST LINK: https://marczak.io/az-900/episode-05/practice-test/