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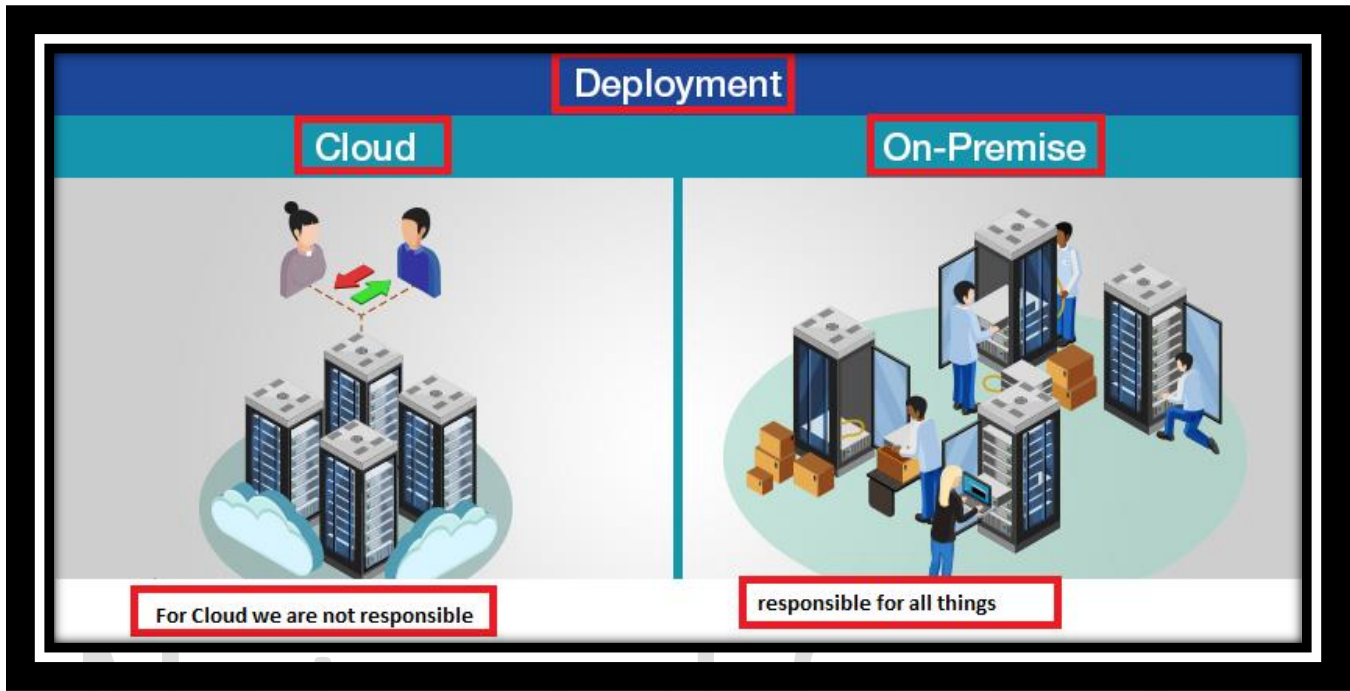
**On Premises and Cloud**



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## On-Premises:

- On-Premises solutions are physically located at an organization.
- On-Premises is software and technology that is located within the Organization (Physical present in company).
- On Premises we need to have hardware software team and location etc.
- By installing and running software on Hardware located within the premises of the company.
- In On-Premises IT staff has physical access to the data and can directly control the configuration.
- In On-Premises IT staff has to manage security of the computing infrastructure, data and backup.
- In On-Premises we own physical servers and IT infrastructure to install and host the solution locally.
- Large initial cash outlay for equipment and replacement outdated equipment.
- We need team, electricity, AC Unit, Servers, do backup etc.

## Cloud:

- Cloud allows storing data on servers over Internet.
- Allows businesses to deliver to any device anywhere in the world.
- Reduces the need for onsite IT equipment, maintenance and management.
- Cloud is hosted on servers which are maintained by a vendor hosting company.
- Cloud is such as AWS or any other like Azure accessed through an internet connected device.

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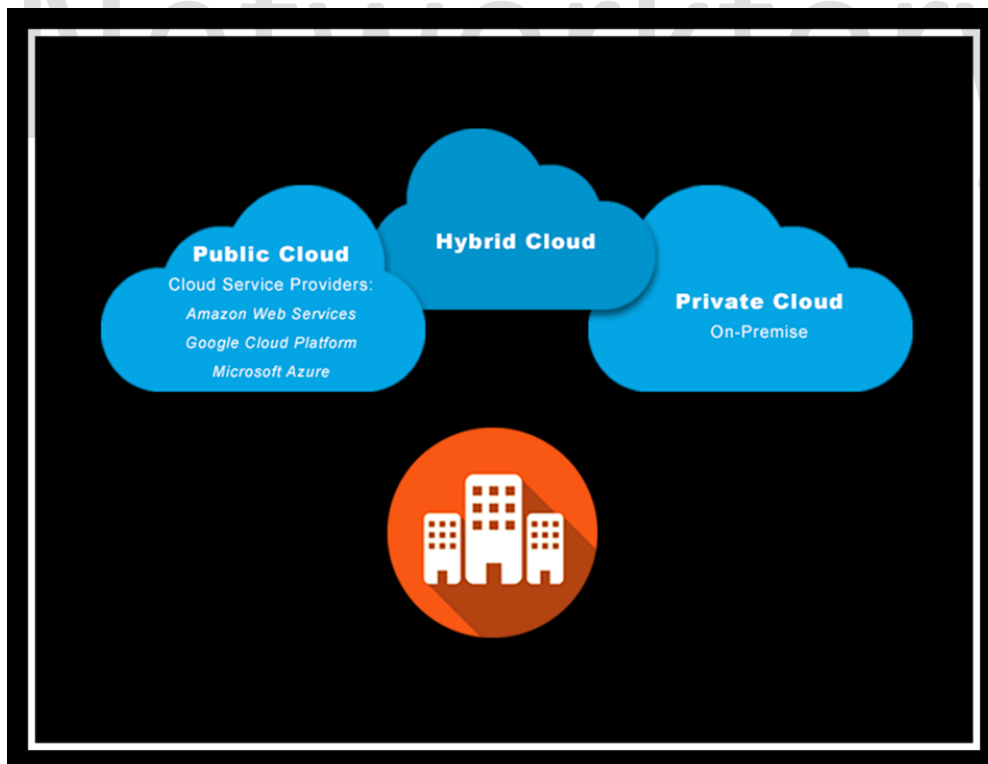
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- As we know third parties are responsible for managing and securing the infrastructure server in cloud.
- Cloud computing is the alternative to OP-Premises software and technologies.
- Cloud is frequently considered for their potential cost savings and reduced expenses.
- Cloud also considered reducing power consumption, maintenance.
- Security is one of the biggest reasons organizations not to use cloud network solutions.

## Type of Clouds:

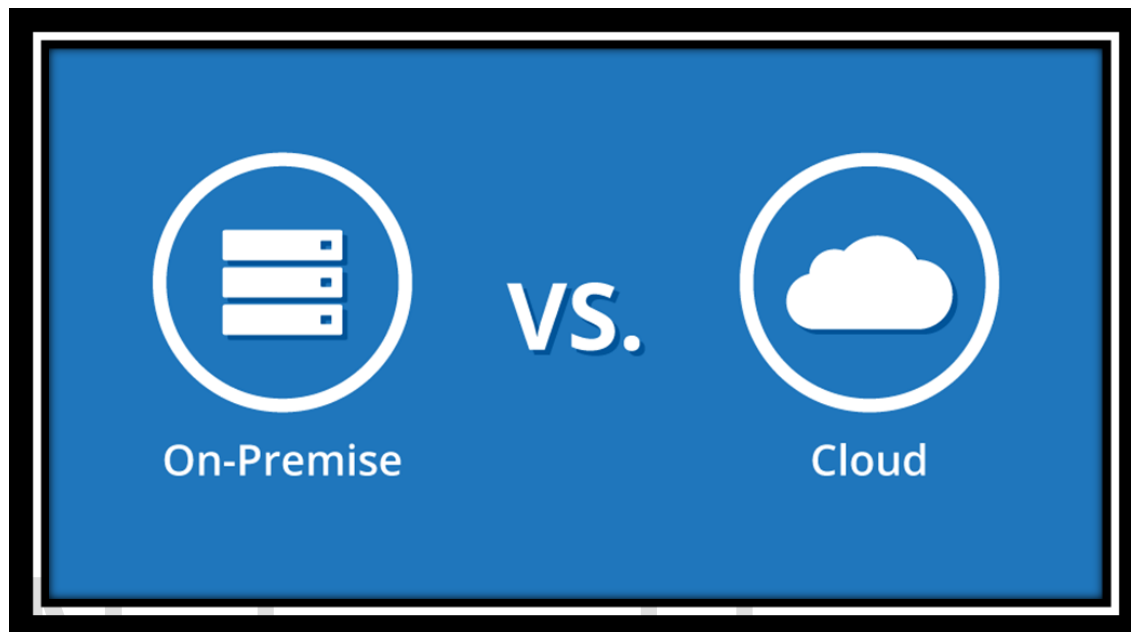
- **Public Clouds:** Available to the general public through a pay per use model or for free.
- **Private Clouds:** Intended for a specific organization or entity such as the government.
- **Hybrid Clouds:** Made up of two or more Cloud types. For example, part custom and part Public.
- **Custom Clouds:** Built to meet the needs of a specific industry, such as healthcare. Custom Clouds can be private or public.



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Factors	On-Premise	Cloud
<b>Installation</b>	Time-Consuming	Easy and fast
<b>Availability</b>	When bought and deployed	On-demand
<b>Investment</b>	High	Less
<b>Business Risks</b>	High	Low
<b>Unlimited Memory</b>	No	Yes
<b>Back-up</b>	Effort-intensive	Timely
<b>Rate Application Launch and Deployment</b>	Low	High
<b>Ability to handling workloads</b>	Low	High
<b>Process Delivery</b>	Chances of interruption	Smooth
<b>Malware Removal</b>	Difficult	Easy
<b>Vulnerability to Attacks</b>	Yes	Yes
<b>Responsibility of failure</b>	Organization	Cloud Service Provider
<b>Bandwidth Enhancement</b>	Demands new deployments	On-demand
<b>Hardware</b>	Organizations responsibility	Cloud Service Provider responsibility
<b>Configurations</b>	Customizable	Standard

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