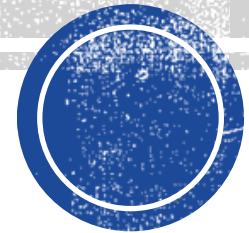


PUBLIC CLOUD INFRASTRUCTURE

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Cloud Computing
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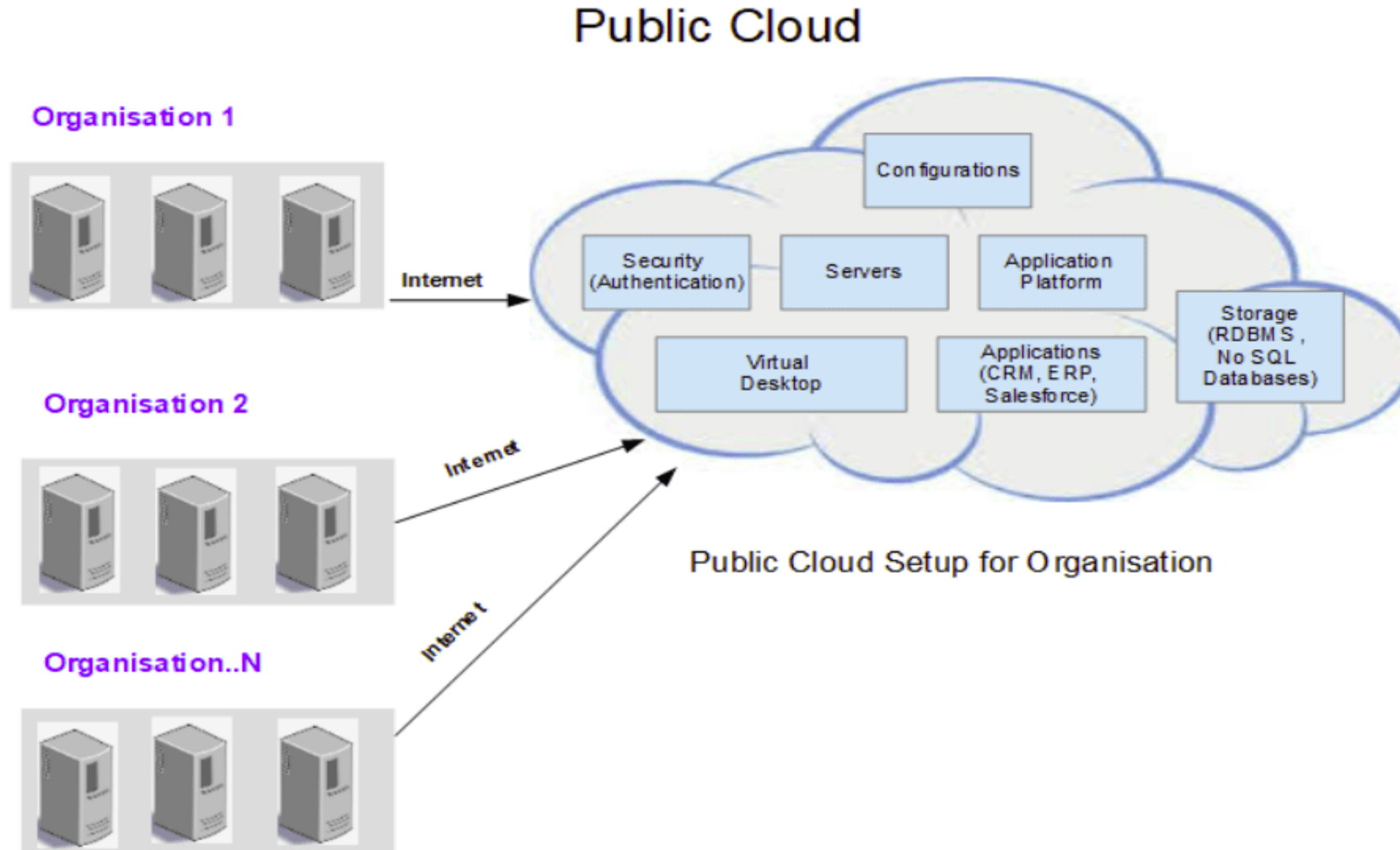
PUBLIC CLOUD INFRASTRUCTURE



- Private cloud platforms provide a controlled and standardized environment for hosting traditional workload.
- Public cloud platforms are designed to provide cheap commodity infrastructure – often built upon customized white-box hardware designed specifically for the needs of the public cloud provider, in a manner that can scale larger and faster than a dedicated private cloud environment, although with less customer control.
- Public cloud infrastructure providers generally provide compute, storage and network resources in a shared manner – with multiple customers consuming the same physical infrastructure.
- Several public cloud providers can now also provide resources in a dedicated manner, with some even able to provide a combination of virtual and physical infrastructure through either internet or private wide area network connectivity.



PUBLIC CLOUD INFRASTRUCTURE



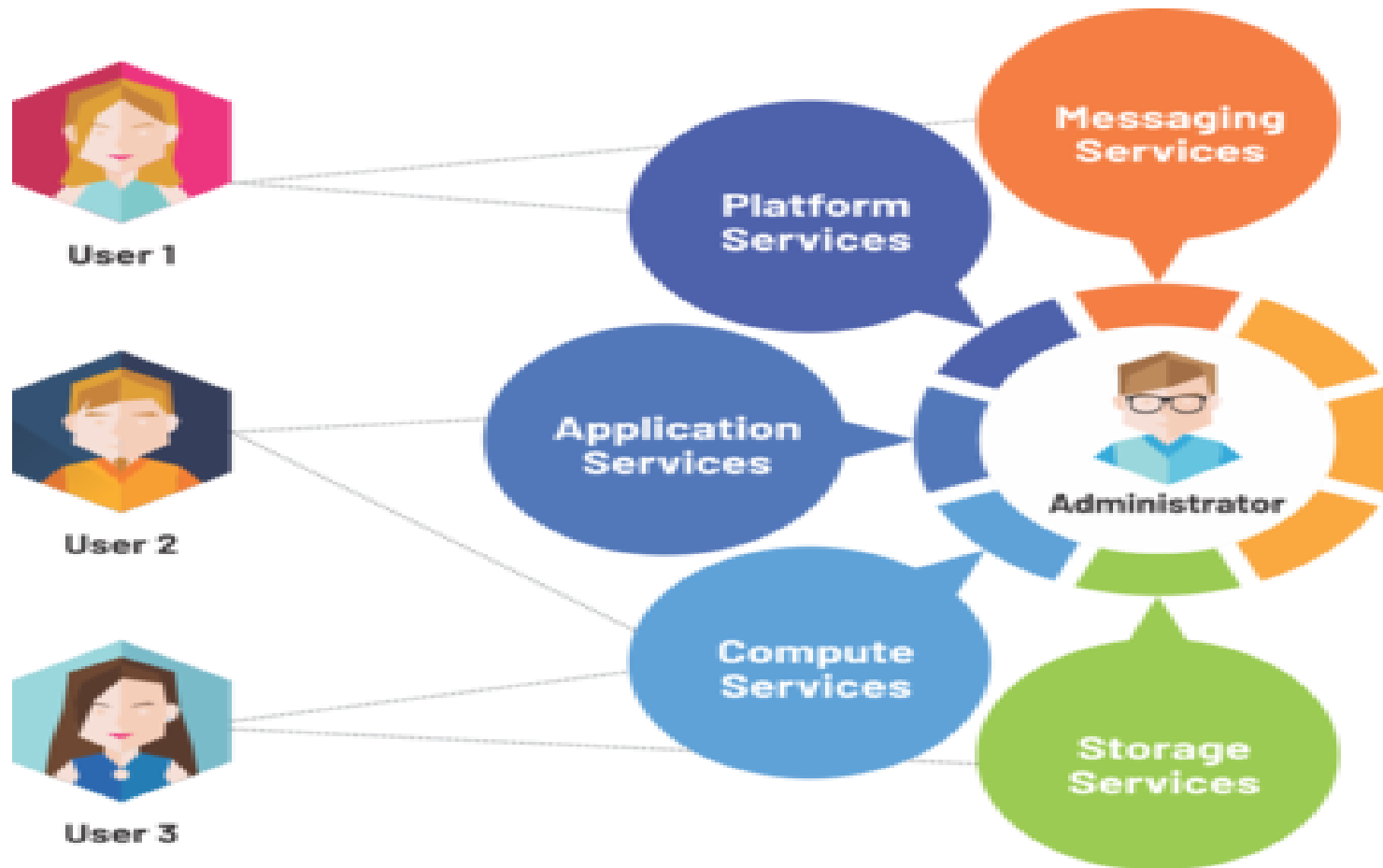
PUBLIC CLOUD STORAGE



- Public cloud refers to computing services offered by third-party providers over the internet. Unlike private cloud, the services on public cloud are available to anyone who wants to use or purchase them.
- A public cloud is operated by a cloud service provider whose services are offered over the internet.
- Public cloud helps businesses save on purchasing, managing, and maintaining on-premises infrastructure since the cloud service provider is responsible for managing the system.
- They also offer scalable RAM and flexible bandwidth, making it easier for businesses to scale their storage needs.



HOW A PUBLIC CLOUD FUNCTIONS?



HOW A PUBLIC CLOUD FUNCTIONS?



- In a public cloud, IT resources, such as compute, storage, development platforms, applications, etc., are available as a service over the internet.
- These services are available on-demand on a self-service portal.
- With its pay-per-use model, a public cloud offers flexibility and scalability and can be accessed by multiple customers simultaneously.
- This is referred to as **multi-tenancy**.
- Public clouds are generally managed at data centers that belong to service providers.
- This shared model of a public cloud helps reduce costs significantly for customers.



TYPES AND EXAMPLES OF PUBLIC CLOUD STORAGE

- **Amazon Web Services**
- **Microsoft Azure**
- **IBM Cloud**
- **Google Cloud Platform**
- **Oracle Cloud**

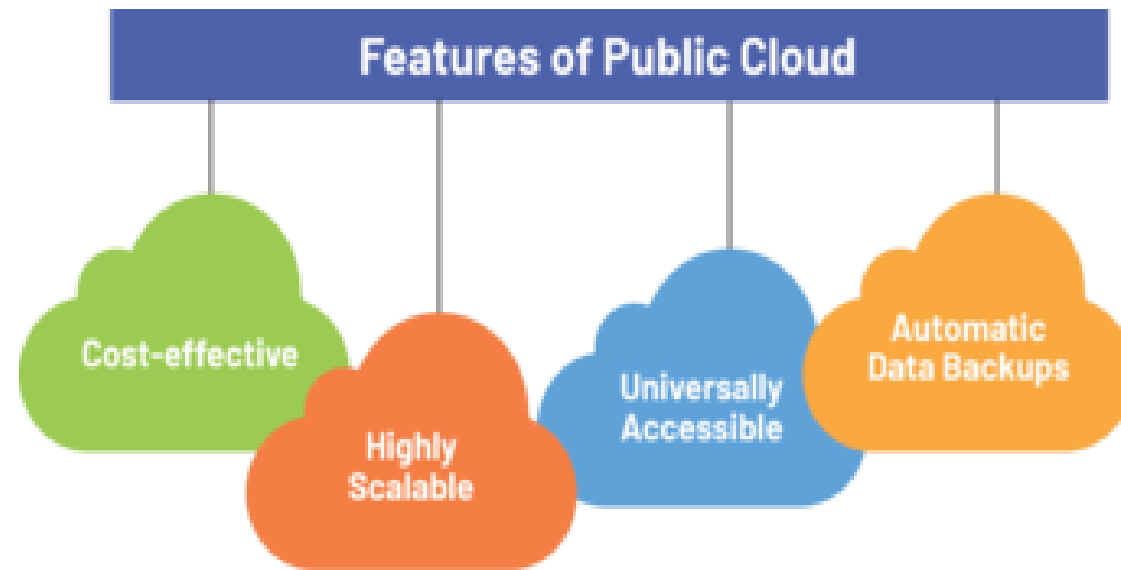


HOW TO CHOOSE THE RIGHT PUBLIC CLOUD SERVICE PROVIDER?

- **Uptime:** You must consider the uptime that a public cloud provider offers when choosing one.
- **Services offered:** Each public cloud service provider offers a different range of services.
- **Integration for existing technology:** You need to ensure that the services offered by the provider offer easy integration with the technology that your business runs on.
- **Pricing:** It's crucial to consider pricing when choosing a cloud service provider. It may be difficult to calculate the exact expenses you may have to bear.
- **Security:** Considered a major issue for public cloud, security is often the most important factor in choosing the right vendor.



BENEFITS AND CHALLENGES OF USING PUBLIC CLOUD FOR ENTERPRISES



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BENEFITS AND CHALLENGES OF USING PUBLIC CLOUD FOR ENTERPRISES



- **Reduced cost:** The public cloud has a flexible payment structure which gives you the benefit of paying only for the services you have used.
- **Low maintenance:** When using a public cloud, the cloud service provider maintains all the servers, hardware, and software in the cloud.
- **Agility:** Public cloud simplifies business operations and ensures faster delivery and collaboration, allowing companies to stay agile.
- **Easy installation:** A public cloud can be set up in a few hours.
- **Higher uptime:** Most public cloud service providers assure 99% uptime, allowing companies to save on any losses that occur due to an outage.





THANK YOU

