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Hello, this is Dr. Yadav.

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We will introduce cloud services in this video.

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Here, we briefly introduce cloud services in this video,

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including cloud service models, and compare them.

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The cloud services are offered

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by various vendors using their cloud computing platforms.

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Cloud services are offering of infrastructure

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platforms or software

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hosted by vendors and made available to business

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users via Internet.

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The diagram shows the various aspects of computing functions,

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that is services, in a layered form.

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Each layer represents a computing function

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that can be offered as a service.

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The diagram compares the computing functions

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available to on premise, I.T environment

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and the cloud services models

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for the same computing functions

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it shows the user's

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responsibility versus the vendor's responsibility

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for managing the different computing functions, that is layers.

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For example, the user manages all the layers

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in an on premise environment, that is the traditional IT.

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Under the P.A.A.S.

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model,

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the user is responsible for managing the applications

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and the data layers, whereas the vendor manages

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the rest of the layers.

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The cloud services are continuously evolving

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and the service models are changing.

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For example, IAAS and SAAS

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can be combined as an offering also.

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There are many cloud service providers,

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such as Amazon, Microsoft, Google,

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IBM, Rackspace, Adobe

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Server Space, etcetera.

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The table shows a brief comparison of top

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three cloud service providers by their market share.

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All these providers offer various types of services,

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IAAS, PAAS, and SAAS, at different levels.

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All of these service providers offer tools

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for AI, ML and IoT modeling.

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Amazon Web Service is the most comprehensive and it started in 2006,

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I have briefly

03:24

introduced cloud services in this video.

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Thank you for watching.