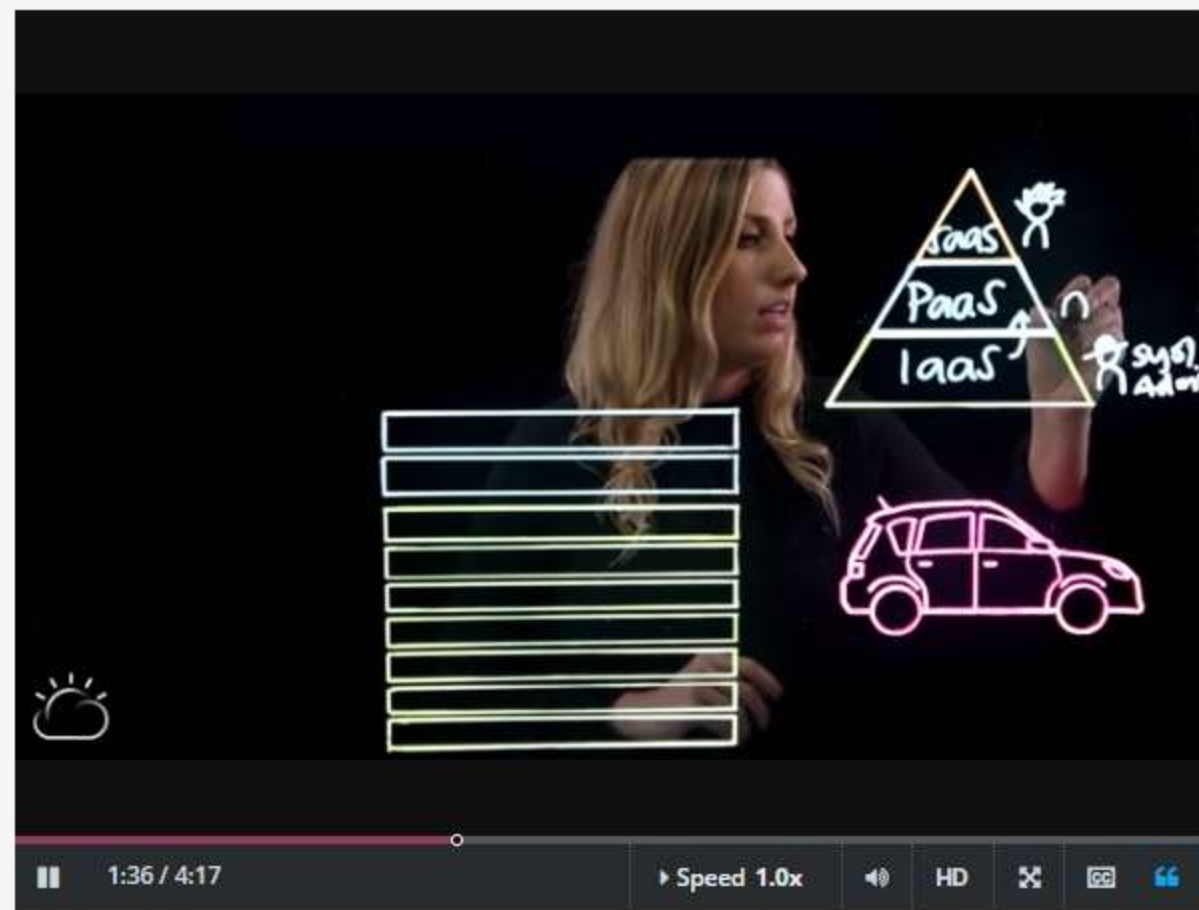


Video: Overview of Service Models (4:18)

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Overview of Service Models (4:18)



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de anyone. In fact, if you're watching this on YouTube right now, then you're a user of Software as a Service. It's usually charged on a subscription model rather than a one-time license fee. And that brings us to Platform as a Service. PaaS takes advantage of all the virtualized resources from IaaS and then just abstracts them away, so the user doesn't have to worry about managing any of those virtualized resources. The user for PaaS is not a system admin, usually. It's usually a dev. At IBM we call this dev, Jane. That's the name of our persona. And so this whole metaphor, the pyramid metaphor, is meant to indicate that as you move down, you're increasing complexity in terms of your knowledge and management of infrastructure resources. And you're increasing the ease of use. Another metaphor I use when I'm talking to the designers on my team about PaaS,

Video: Overview of Cloud Infr

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Course > Module 4 - Components of Cloud Computing > Video: Overview of Cloud Infrastructure (6:30) > Video: Overview of Cloud Infrastructure (6:30)

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Video: Overview of Cloud Infrastructure (6:30)

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Overview of Cloud Infrastructure (6:30)

Networking

Network interfaces in the cloud need:

It is even more important to configure which network traffic and users can access your resources:

Some of the traditional hardware appliances:

Another networking capability provided by the Cloud Providers is:

+ IP addresses

+ subnets

+ Security Groups

+ ACLs

+ VLANs

+ VPCs

+ VPNs

+ firewalls

+ load balancers

+ gateways

+ traffic analyzers

+ CDNs

provide virtual Local Area Networks (VLANs), Virtual Private Clouds (VPCs), and Virtual Private Networks (VPNs).

Some of the traditional hardware appliances such as firewalls, load balancers, gateways and traffic analyzers can also be virtualized and made available as services in the cloud.

Another networking capability provided by the Cloud Providers is Content Delivery Networks or CDNs, that distribute content to multiple points throughout the world so users accessing the content can access it more quickly by getting it from a point nearest to them.

We will learn more about some of these cloud networking options and terminology in subsequent videos.

Cloud infrastructure is constantly advancing and improving.

In the next video, we explain virtualization and virtual machines.

Video

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
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
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Quiz 06

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Welcome

Video: Welcome to Introduction to Cloud (2:13)

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General Information

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Learning Objectives and Syllabus

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Grading Scheme

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Module 1 - Overview of Cloud

Module Introduction and Objectives

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Module 3 - Cloud Computing Service and Deployment Models

Module Introduction and Objectives

No problem scores in this section

Video: Overview of Service Models (4:18)

No problem scores in this section

Video: IaaS - Infrastructure as a Service (4:18)

No problem scores in this section

Video: PaaS - Platform as a Service (6:47)

No problem scores in this section

Video: SaaS - Software as a Service (4:47)

No problem scores in this section

Video: Public Cloud (5:33)

No problem scores in this section

Video: Private Cloud (4:54)

No problem scores in this section

Video: Hybrid Cloud (5:59)

No problem scores in this section

Reading: Module Summary

No problem scores in this section

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Graded Quiz

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Module 4 - Components of Cloud Computing

Module Introduction and Objectives

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Graded Quiz

Problem Scores: 1/1 1/1 1/1

Module 4 - Components of Cloud Computing

Module Introduction and Objectives

No problem scores in this section

Video: Overview of Cloud Infrastructure (6:30)

No problem scores in this section

Video: Virtualization and Virtual Machines Explained (5:21)

No problem scores in this section

Video: Types of Virtual Machines (5:05)

No problem scores in this section

Video: Bare Metal Servers (4:04)

No problem scores in this section

Video: Secure Networking in Cloud (4:17)

No problem scores in this section

Video: Containers (9:00)

No problem scores in this section

Reading: Module Summary

No problem scores in this section

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Graded Quiz

Problem Scores: 1/1 1/1 1/1

Module 5 - Cloud Computing Storage and Content Delivery Networks

Module Introduction and Objectives

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