

Quiz1

11 May 2020 19:28

Module 1 Quiz
Graded Quiz • 20 min

Due May 18, 11:59 AM +05

Module 1 Quiz

TOTAL POINTS 10

- Which of the following services does Cloud offer? Select all that apply. 1 point
 - ☒ Processing
 - ☒ Desktops
 - ☒ Databases services
 - ☐ fixed costs
 - ☒ Networking
 - ☒ Disk and storage space
- True or False: Cloud makes services available by way of the Internet. 1 point
 - ☒ True
 - ☐ False
- Which TWO of the following are true of Cloud services? 1 point
 - ☒ Computing services are charged either by the hour or subscription-based.

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- ☒ True
- ☐ False

- Which TWO of the following are true of Cloud services? 1 point
 - ☒ Computing services are charged either by the hour or subscription-based.
 - ☐ Cloud does not offer cost management.
 - ☒ Services can be added or reduced as needed.
 - ☐ Cloud computing is NOT a variable cost.
- Does Cloud replace your native hardware and software? 1 point
 - ☐ Yes
 - ☒ No
- Cloud services are delivered _____. 1 point
 - ☐ Locally
 - ☒ Virtually
 - ☐ Natively
- Any services accessed over the network are _____. 1 point

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6. Any services accessed over the network are _____. 1 point

- ☒ Remote Services
- ☐ Physical Hardware
- ☐ Local Resources
- ☐ Native Software

7. Which feature of Cloud services makes it possible to manage computing infrastructure better and more efficiently? 1 point

- ☐ Computing services
- ☐ None of the above
- ☐ Cloud economics
- ☒ Scalability

8. What is the name of the product that manages Cloud services on hardware? 1 point

- ☐ Managed Infrastructure
- ☒ Hypervisor
- ☐ Switch
- ☐ Remote Desktop Connection

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- ☐ Computing services
- ☐ None of the above
- ☐ Cloud economics
- ☒ Scalability

8. What is the name of the product that manages Cloud services on hardware? 1 point

- ☐ Managed Infrastructure
- ☒ Hypervisor
- ☐ Switch
- ☐ Remote Desktop Connection

9. Which is not a category of Cloud Computing? 1 point

- ☐ Infrastructure as a Service (IaaS)
- ☐ Software as a Service (SaaS)
- ☒ Files as a Service (FaaS)
- ☐ Platform as a Service (PaaS)

10. True or False: Firms can use a console to administer Cloud services. 1 point

- ☒ True
- ☐ False

QUIZ 2

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Module 2 Quiz

TOTAL POINTS 10

1. Which of the following is NOT a feature of IaaS? 1 point
- ☒ Applications are hosted by a third party to offer to customers.
 - ☐ Offerings include virtual servers, desktops, security, and networking.
 - ☐ Makes it possible for smaller firms to have the same infrastructure as large firms.
 - ☐ Involves services that require large investments to deploy, maintain, and upgrade.
2. The IaaS approach uses ____ to maintain consistency, making it possible to manage hardware like you would manage software. 1 point
- ☐ development and testing
 - ☐ outsourcing
 - ☒ virtualization

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3. True or False: IaaS provides virtual servers for application hosting. 1 point
- ☒ True
 - ☐ False
4. Which of the following feature is an example of Platform as a Service (PaaS)? 1 point
- ☐ Microservices
 - ☒ Development environments
 - ☐ Hosted applications
 - ☐ Dynamic, on-demand computing
5. Which of the following offers a pay-as-you-go or rental options for enterprise software, as well as enables geographic around-the-clock development using the same investment? 1 point
- ☐ SaaS
 - ☐ FaaS
 - ☐ IaaS
 - ☒ PaaS

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6. When using SaaS, do users need to install the offered software before using it? 1 point

☐ Yes

☒ No

7. Which of the following is NOT an example of SaaS? 1 point

☐ Accounting

☐ Payroll

☐ Time tracking

☐ Meeting tools

☒ Personalized marketing

8. Function as a Service (FaaS) provides an application development environment in the form of _____. 1 point

☐ data storage

☐ runtime services

☒ microservices

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8. Function as a Service (FaaS) provides an application development environment in the form of _____. 1 point

☐ data storage

☐ runtime services

☒ microservices

9. True or False: With FaaS, the environment continues to run during idle time, incurring costs. 1 point

☐ True

☒ False

10. Which of the following are disadvantages to Cloud computing? 1 point

☒ Data is under control of the Cloud provider.

☒ The ability to move data from the Cloud provider is limited.

☐ None of the managed services provide accessible data storage options.

☒ Security can be an issue if the Cloud provider doesn't take the steps to guard data.

QUIZ 3

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Module 3 Quiz

TOTAL POINTS 10

1. How are Cloud services delivered on a Private Cloud? 1 point
 - ☐ Via 3rd party services
 - ☒ On the firm's network
 - ☐ Public Internet
2. Which of the following offers services as a 3rd party provider, delivers services over public internet, are generally available to everyone, and are invoiced based only on what is used? 1 point
 - ☐ Private Cloud
 - ☐ Hybrid Cloud
 - ☒ Public Cloud
 - ☐ HPC Cloud

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- ☐ HPC Cloud
3. Hybrid Cloud allows firms to respond to many of the disadvantages of public Cloud. 1 point
 - ☒ True
 - ☐ False
 4. Which of the following is a strategy of High Performance Computing (HPC)? 1 point
 - ☒ Parallel processing
 - ☐ Services are public and available to all
 - ☐ A mix of private and 3rd party services
 5. A group of computers acting as one is a _____. 1 point
 - ☒ cluster
 - ☐ infrastructure
 - ☐ hypervisor

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6. A _____ is where a public cloud provider dedicates a set of computing resources for a specific customer. 1 point

☒ An High Performance Computing (HPC) architecture

☐ A Virtual Private Cloud (VPC) **CORRECT**

☐ A Virtual Private Network (VPN)

7. Big Data involves highly complex data sets. 1 point

☒ Yes

☐ No

8. True or False: A VPN allows firms to extend their network to outside data centers using internet connections. 1 point

☒ True

☐ False

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☐ False

9. With which of the following do firms have full control of their data? 1 point

☐ Hybrid Cloud

☐ Big Data Cloud

☒ Private Cloud

☐ HPC Cloud

10. Which THREE of these are key components of HPC? 1 point

☒ Computing

☒ Networking

☐ Clusters

☒ Data storage

☐ Architecture

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QUIZ 4

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Module 4 Quiz

TOTAL POINTS 10

1. A hosting strategy where software products are installed on the physical hardware, 1 point

- ☐ Virtualization
- ☐ Docker
- ☐ On-premises
- ☒ Bare-metal

2. Which of the following are true of Bare-metal computing? Select all that apply. 1 point

- ☐ Admins can make virtual templates of VM images.
- ☒ No virtualization is used.
- ☐ There are multiple fixed costs with this approach.
- ☒ Allows the hardware to be used more efficiently and by more users.
- ☐ Is based on a structure called a pod.

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3. True or False? Running Virtual Machines (VMs) makes better use of the existing hardware. 1 point

- ☒ True
- ☐ False

4. With a VM, multiple copies of the VM images can be made, each with their own _____ and host ID. 1 point

- ☐ Docker
- ☐ virtual template
- ☒ IP address
- ☐ virtual network adapter

5. A PaaS product that provides virtualized operating system environments called containers that are 100% independent from each other. 1 point

- ☒ Docker
- ☐ Kubernetes
- ☐ VMs

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☐ Kubernetes

☐ VMs

6.

A product that automates application deployment, scaling, and maintenance. It is a PaaS container orchestration product that can also be offered as an IaaS.

1 point

☒ Docker

☐ Kubernetes

☐ VMs

CORRECT

7.

Which of the following are features of On-premises Computing? Select all that apply.

1 point

☐ Is popular in gaming and IoT because responsiveness is critical.

☐ Can be either private, public, or hybrid.

☒ Computing services are delivered on the firm's network.

☒ All hardware is controlled by the firm.

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8. True or False? With Cloud computing, the delivery of the software services can be by a public, private, or virtual private network. 1 point

☒ True

☐ False

9. Computing services are brought physically closer to the customer. It has evolved into running software and applications, while keeping latency low. 1 point

☐ Cloud Computing

☐ Kubernetes

☒ Edge Computing

10. The cloud uses one or more _____ to execute the software product. 1 point

☒ virtual machines

☐ hypervisors

☐ private networks

Quiz 5

13 May 2020 09:48

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Module 5 Quiz
Graded Quiz • 20 min

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Module 5 Quiz

TOTAL POINTS 10

1. Which of the following platform is a Microsoft product that offers Linux and Windows OS computing as well as packages for different sized firms?

1 point

- ☐ Google Cloud Platform
- ☐ IBM Cloud
- ☒ Azure
- ☐ Amazon Web Services

2. Which of the following is a popular feature of Amazon Web Services (AWS)?

1 point

- ☒ Salesforce
- ☐ Elastic Cloud Computing (EC2) **CORRECT**
- ☐ Linux Computing

3. True or False: AWS's Amazon Machine Image (AMI) enables teams to template running servers and to copy

1 point

3. True or False: AWS's Amazon Machine Image (AMI) enables teams to template running servers and to copy and run templated images.

1 point

- ☒ True
- ☐ False

4. AWS offers varieties of _____, Select all that apply.

1 point

- ☒ IaaS
- ☒ SaaS
- ☒ PaaS
- ☒ FaaS

5. Which of the following provides Cloud services such as IaaS, PaaS, and FaaS, and lists over 100 products in their brand?

1 point

- ☐ Amazon Web Services (AWS)
- ☐ IBM Cloud
- ☒ Google Cloud Platform (GCP)

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6. Offers include IaaS, SaaS, PaaS, Private Cloud, Virtual Private Cloud, Hybrid Cloud, as well as the typical virtualization services and solutions for DevOps. 1 point

☐ AWS

☒ IBM Cloud

☐ Salesforce

7. _____ are a major offering of the IBM Cloud. 1 point

☐ Mobile desktops

☐ Artificial intelligence

☒ Data analytics

8. True or False: IBM Cloud offers a single console because its Cloud offerings are not numerous. 1 point

☐ True

☒ False

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☒ Data analytics

8. True or False: IBM Cloud offers a single console because its Cloud offerings are not numerous. 1 point

☐ True

☒ False

9. What is Salesforce's primary product type? 1 point

☐ Numerous consoles

☐ Open-source software

☒ Customer Relationship Management (CRM) SaaS products

10. Salesforce's cloud service, _____, offers development environments and tools designed to integrate with other Salesforce offerings. 1 point

☒ Lightning

☐ Community Cloud

☐ Force.com

QUIZ 6

13 May 2020 09:55

Module 6 Quiz
Graded Quiz • 20 min

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Module 6 Quiz

TOTAL POINTS 10

1. Serverless Computing is an extension of _____. 1 point
 - ☐ PaaS
 - ☐ IaaS
 - ☒ FaaS
2. True or False: Pricing for Serverless Computing is based on the services, and not the runtime computing time used. 1 point
 - ☐ True
 - ☒ False
3. Which of the following are trade-offs of Serverless Computing? 1 point
 - ☒ Performance can be slow and resources are limited.

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3. Which of the following are trade-offs of Serverless Computing? 1 point
 - ☒ Performance can be slow and resources are limited.
 - ☒ Mobility can be a problem since it is often based on proprietary provider standards.
 - ☐ Products are generally based on popular databases such as MySQL.
 - ☐ Serverless databases and Serverless storage have recently become available.
4. Which of the following has created an operating environment that is the equivalent to an operating network and is based on a network of computers? 1 point
 - ☒ Distributed Ledger Technology (DLT)
 - ☐ Blockchain
 - ☐ DApps
5. _____ data converts it to a string of fixed length and stores it on the node. It can reflect whether data has been tampered with or hacked. 1 point
 - ☒ Hashing
 - ☐ Transforming

6. Which of the following is true of distributed applications? Select all that apply.

1 point

- ☒ DApps can run as a web or mobile app and are the basis of the new Internet of value.
- ☐ Is very back-end heavy and is ideal for Cloud computing.
- ☒ Nodes can be deployed as needed.
- ☒ DLT nodes can also run applications, called DApps.

7. A computing strategy process that processes data for computer programs to make decisions.

1 point

- ☐ Cloud Computing
- ☐ Blockchain technology
- ☒ Artificial Intelligence (AI)

8. True or False: AI learning requires vast amounts of data storage.

1 point

- ☒ True
- ☐ False

☒ Artificial Intelligence (AI)

8. True or False: AI learning requires vast amounts of data storage.

1 point

- ☒ True
- ☐ False

9. The _____ forms the foundation of smart devices and automated devices.

1 point

- ☒ Internet of Things (IoT)
- ☐ Azure Digital Twins
- ☐ Azure Cloud

10. Which of the following provides real-time metrics on IoT solutions and looks for vulnerabilities?

1 point

- ☐ Azure Digital Twins
- ☒ Azure IoT Insights
- ☐ IoT Edge