



قائمة الاسئلة

حوسبة سحابية - الرابع - معلم حاسوب - كلية التربية - درجة الامتحان (50)

د/عبدالرحمن الصبري

- 1) What is the term for encrypting data to prevent unauthorized access?
 - 1) Encryption
 - 2) Authentication
 - 3) Authorization
 - 4) Multi-Factor Authentication (MFA)
- 2) Which cloud security component controls who can access specific cloud resources and what actions they can perform?
 - 1) Data Encryption
 - 2) Network Security
 - 3) Multi-Factor Authentication (MFA)
 - 4) Identity and Access Management (IAM)
- 3) Cloud Deployment Models
 - 1) Public Cloud
 - 2) Private Cloud
 - 3) Hybrid Cloud, Community Cloud
 - 4) Hybrid Cloud, Community Cloud, Public Cloud , Private Cloud
- 4) in private cloud customer control
 - 1) Applications, data, OS, Virtualization, Servers, Storage, Networking
 - 2) Applications, data, OS
 - 3) Virtualization, Servers
 - 4) Networking
- 5) What is private cloud?
 - 1) A standard cloud service offered via the Internet
 - 2) A cloud architecture maintained within an enterprise data center
 - 3) A cloud service inaccessible to anyone but the cultural elite
 - 4) All of the mentioned
- 6) Virtualization is
 - 1) multiple operating systems on a single physical system
 - 2) single physical system
 - 3) multiple operating systems on a multiple physical system
 - 4) Virtual box
- 7) السحابة؟ أمن في المشتركة المسؤولية نموذج هو ما؟
What is the shared responsibility model in cloud security?
 - 1) Cloud providers are solely responsible for all security aspects.
 - 2) Security responsibilities are shared between the cloud provider and the customer.
 - 3) Customers are solely responsible for all security aspects.
 - 4) The government takes responsibility for cloud security.
- 8) What is the number one concern about cloud computing?
 - 1) Too expensive
 - 2) Security concerns
 - 3) Too many platforms
 - 4) Accessibility
- 9) The ability to install and run multiple operating systems concurrently on a single physical machine.
 - 1) Virtualization
 - 2) Scalability
 - 3) Reliability





- 4) - none of the mentioned
- 10) What are the benefits to virtualization?
- 1) - Cost savings, no administration, complex configuration, de-centralized management
 - 2) - Reduce downtime, centralized management
 - 3) Cost savings, reduce downtime, ease of configuration, centralized management
 - 4) - Ease of configuration, cost savings
- 11) What is a Hypervisor?
- 1) - A hypervisor is software that separates existing applications from incompatible applications
 - 2) - A hypervisor is for administration only
 - 3) - A hypervisor allows the end user to see how fast applications run
 - 4) A hypervisor is computer software or hardware that creates and runs virtual machines.
- 12) What is a virtual machine (VM)?
- 1) - A physical computer
 - 2) A software-based emulation of a physical computer
 - 3) - A mobile device
 - 4) - A server operating system
- 13) which hypervisor will be supporting the linux operating systems?
- 1) - vmware
 - 2) KVM(Kernel virtual machine)
 - 3) - virtual box
 - 4) - docker
- 14) Which of the following entity is responsible for making a service available to interested parties?
- 1) - Cloud Monitor
 - 2) - Cloud Broker
 - 3) Cloud Provider
 - 4) - Cloud Auditor
- 15) Which of the following refers to the client part of cloud computing system?
- 1) Front end
 - 2) - Back end
 - 3) - Infrastructure
 - 4) - Management
- 16) Windows Azure is example of?
- 1) PaaS
 - 2) - SaaS
 - 3) - IaaS
 - 4) - All of the mentioned
- 17) Which of the following are correct technologies working behind the cloud computing platforms?
- 1) - Virtualization
 - 2) - Grid Computing
 - 3) - SOA
 - 4) All of the mentioned
- 18) Which characteristic of cloud computing enables the multi-tenant model of computing resources, storage and memory?.
- 1) Resource Pooling
 - 2) - Broad network
 - 3) - Elasticity
 - 4) - All of the mentioned
- 19) Servers, storage, and network components are a part of _____ layer in the cloud infrastructure.
- 1) Physical





- 2) - Cloud
3) - Logical
4) - none of the mentioned
- 20) In IaaS, which of the following components is NOT managed by cloud providers?
1) Applications
2) - Servers
3) - Storage
4) - Networking
- 21) In PaaS, which of the following components is NOT managed by cloud providers?
1) Data
2) - Servers
3) - Virtualization
4) - Operating system
- 22) Which of the following phases occur simultaneously ?
1) Shuffle and Sort
2) - Reduce and Sort
3) - Shuffle and Map
4) - All of the mentioned
- 23) _____ acts as the Slave and is responsible for executing a Task assigned to it by the JobTracker.
1) - MapReduce
2) - Mapper
3) TaskTracker
4) - JobTracker
- 24) Point out the correct statement :
1) MapReduce tries to place the data and the compute as close as possible
2) - Map Task in MapReduce is performed using the Mapper() function
3) - Reduce Task in MapReduce is performed using the Map() function
4) - All of the mentioned
- 25) maps input key/value pairs to a set of intermediate key/value pairs.
1) Mapper
2) - Reducer
3) - Both Mapper and Reducer
4) - none of the mentioned
- 26) HDFS is inspired by which of following Google project
1) - BigTable
2) GFS
3) - MapReduce
4) - None of the mentioned
- 27) Which of the following are true about Hadoop?
1) - Open Source
2) - Distributed Processing Framework
3) - Distributed Storage Framework
4) All of the mentioned
- 28) What is a Metadata in Hadoop?
1) - Data stored by user
2) Information about the data stored in datanodes
3) - User information
4) - None of these
- 29) The source of HDFS architecture in Hadoop originated as





- 1) Google distributed filesystem
 - 2) Yahoo distributed filesystem
 - 3) Facebook distributed filesystem
 - 4) None of these
- 30) What is the purpose of a virtual switch in virtualization?
- 1) To connect the virtual machines to the host operating system
 - 2) To manage the guest operating systems of virtual machines
 - 3) To provide a dedicated network connection for each virtual machine
 - 4) To allocate hardware resources to virtual machines
- 31) How many copies of a block are stored in HDFS of FusionInsight HD by default?
- 1) Three copies
 - 2) Two copies
 - 3) One copy
 - 4) Uncertain
- 32) Which characteristic of cloud computing enables the multi-tenant model of computing resources, storage and memory?
- 1) Resource Pooling
 - 2) Broad network
 - 3) Elasticity
 - 4) All of the mentioned
- 33) What is the primary purpose الغرض الرئيسي of cloud security السحابية تأمين ?
- 1) Maximizing cloud performance الاداء
 - 2) Ensuring data availability الاتاحة ضمان
 - 3) Protecting حماية data, applications, and infrastructure hosted on cloud platforms
 - 4) Reducing cloud costs
- 34) Which component allocates hardware resources to virtual machines?
- 1) Guest operating system
 - 2) Host operating system
 - 3) Hypervisor
 - 4) Virtual disk manager
- 35) Which type of virtualization allows multiple virtual machines to share the same operating system kernel?
- 1) Full virtualization
 - 2) Paravirtualization
 - 3) Hosted virtualization
 - 4) Containerization
- 36) Which technology enables server consolidation through virtualization?
- 1) Virtual reality
 - 2) Cloud computing
 - 3) Virtual networking
 - 4) Hypervisor
- 37) Which of the following is a cloud computing feature that allows consumers to control the volume and type of computing resources used?
- 1) Measured service
 - 2) On-demand self-service
 - 3) Broad network access
 - 4) Rapid elasticity
- 38) The technology used to distribute service requests to resources is referred to as _____
- 1) Load performing
 - 2) Load scheduling





- 3) Load balancing
4) All of the mentioned
- 39) Which of the following type of virtualization is found in hypervisor such as Microsoft's Hyper-V?
1) paravirtualization
2) full virtualization
3) Emulation
4) none of the mentioned
- 40) Applications and services that run on a distributed network using virtualized resources is known as _____?
1) Parallel computing
2) Soft computing
3) Distributed computing
4) Cloud computing
- 41) Multi-tenancy can only be applied to SaaS applications. لا يمكن تطبيق SaaS على إلا المتعدد الإيجار تطبيق يمكن لا.
1) TRUE.
2) FALSE.
- 42) Private Cloud can be deployed on as well as off premises. يمكن النشر داخل الخاصة السحابة نشر يمكن.
1) TRUE.
2) FALSE.
- 43) A Private Cloud can be located at a service provider's data center. مزود بيانات مركز في الخاصة السحابة وضع يمكن.
الخدمة
1) TRUE.
2) FALSE.
- 44) In SaaS, consumers have limited admin control and full user level control over applications. يتمتع SaaS، في المستهلكون بتحكم إداري محدود وتحكم كامل على مستوى المستخدم في التطبيقات.
1) TRUE.
2) FALSE.
- 45) DataNode store the actual data
1) TRUE.
2) FALSE.
- 46) NameNodes of HDFS store metadata of file systems تقوم NameNodes الخاصة بـ HDFS بتخزين
الملفات
1) TRUE.
2) FALSE.
- 47) The HPC processor machines can be only homogeneous. فقط متجانسة HPC معالج أجهزة تكون أن يمكن.
1) T
2) F
- 48) On-demand usage is the ability of a cloud consumer to self-provision and use necessary cloud-based services without requiring cloud provider interaction الخدمات واستخدام الذاتي التزويد على السحابة مستهلك قدرة هو الطلب عند الاستخدام
السحابية الضرورية دون الحاجة إلى تفاعل موثر السحابة
1) T
2) F
- 49) the core component of HDFS is DataNode DataNode هو HDFS لـ الأساسي المكون
1) T
2) F
- 50) For reading/writing data to/from HDFS, clients first connect to DataNode
1) T
2) F

