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An access and login system that allows users to authenticate themselves once and then grants them access to all the software, systems, and data they need without having to log into each of those areas individually.

- ☐ Tokenization
- ☐ Role Based Access Control
- ☐ Password
- ☒ Single Sign On
- ☐ None of these

*

Among the following performance parameter which is may not be the Resource management objectives of cloud platform.

- ☐ Quality of Service
- ☐ Reduced overheads
- ☒ Reduced throughput
- ☐ Cost effectiveness
- ☐ None of these

This system uses a combination of something the user knows (e.g. a password), something the user has (e.g. a security token), and something the user is (e.g. a fingerprint) to authenticate individuals and grant them access. *

- ☒ Multi Factor Authentication
- ☐ Authorization
- ☐ Confidentiality
- ☐ Integrity
- ☐ None of these

What are the challenges of Mobile Cloud Computing. *

- ☐ High bandwidth, Service availability, and Heterogeneity
- ☒ Low bandwidth, Service availability, and Heterogeneity
- ☐ High bandwidth, Service availability, and Homogeneity
- ☐ None of these

Determining which organization deals with studies security issues , Portability and interoperability *

- ☒ CSA
- ☐ OAUTH
- ☐ OVF
- ☐ CIA
- ☐ Other:

Identify which is not the key mechanism for protecting data? *

- ☐ Access control
- ☐ Auditing
- ☐ Authentication
- ☒ Migration
- ☐ None of these

*

Identify the practice of interconnecting the cloud computing environments of two or more service providers for the purpose of load balancing traffic and accommodating spikes in demand. It allows providers to earn revenue from computing resources that would otherwise be idle.

- ☐ Resource Management
- ☐ Cloud Security Alliance
- ☐ Distributed Management Task Force.
- ☒ Cloud Federation

*

Huge volume of CO2 emitted each year from Cloud Data Centers. In Green Cloud framework identify the two main techniques to maintain energy efficiency.

- ☒ Virtual Machine controls and Data Center design.
- ☐ Rack Aware scheduling and Rack Aware placement
- ☐ Recovery Point Objective and Recovery Time Objective
- ☐ None of These

Distance between client and server in fog Computing is? *

- ☐ Three Hop
- ☐ Two Hop
- ☒ One Hop
- ☐ None of these
- ☐ Other:

Wether containers share OS with other containers? *

- ☒ True
- ☐ False
- ☐ Non of these

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Which of the following is an industry organization that develops industry system management standards for platform interoperability?

- ☒ DMTF (DISTRIBUTED MANAGEMENT TASK FORCE)
- ☐ NIST (NATIONAL INSTITUTE OF STANDARD AND TECHNOLOGY)
- ☐ EBS (ELASTIC BLOCK STORAGE)
- ☐ None of these

*

Identify the true statements about the MAP phase of MAP REDUCE framework.

- i. File are sorted according to key and stored on local file system.
- ii. Each mapper write computational result in one file per reducer.
- iii. Mapper maps input key/value pairs to a set of intermediate key/value pairs

- ☒ Both i and ii.
- ☐ Both ii and iii.
- ☐ Both iii and iv.
- ☐ None of these

*

In Green Cloud architecture identify the different module that comes under Green Service Allocator.

- ☒ Energy Monitor, Green Negotiator, Consumer Profiler
- ☐ Encryptor, QoS, Virtual machine
- ☐ Quality of Service, CSP, User
- ☐ All of These
- ☐ None of these

*

Cloud Identity and Access Management (Cloud IAM) allows you to manage privileges. What do these privileges apply to?

- ☐ Applications.
- ☐ Operating systems
- ☒ Cloud Platform resources
- ☐ Applications, and operating systems
- ☐ None of these

*

In Cloud platform Regions are independent geographic areas on the same continent. Which of the following is a regional service?

- ☐ None of these
- ☐ HTTPS Load Balancer
- ☐ Network
- ☐ Virtual machine
- ☒ Cloud Datastore

*

From the following description determine the type of migration, in which VM copied across RAM while VM continues to run. It also Mark dirty pages, changes RAM pages & re-copy the final copy.

- ☐ Cold Migration
- ☒ Live Migration
- ☐ Warm Migration
- ☐ None of these

*

A MapReduce Job consists of many tasks that are distributed among Task Trackers for execution. Sometimes, even when the machines and the tasks are identical, a few of the tasks will take much longer to complete than the others. But, a map or reduce stage cannot complete until its constituent tasks all complete. Name a technique used by both Google's MapReduce and Hadoop MapReduce to mitigate this problem.

- ☐ Identity and Access management
- ☒ Task Replication
- ☐ Vulnerability Assessment
- ☐ Security audit

*

Name the distributed, column-oriented data store created by Google Inc. to handle very large amounts of structured data associated with the company's Internet search and Web services operations.

- ☒ Big Table
- ☐ Object storage
- ☐ File Storage
- ☐ Bucket
- ☐ None of These

*

Which of these layer are managed by Platform as a Service (PaaS) Model?

- ☐ Data
- ☐ Application
- ☐ Runtime
- ☒ All Of These
- ☐ None of these

*

Communication between services in cloud is done widely using _____ protocol.

- ☒ SOAP
- ☐ HTTP
- ☐ MQTT
- ☐ None of These

*

Which of the following applications are processed locally on the phone?

- ☐ Google Earth
- ☐ Google Maps
- ☐ Google Voice
- ☒ None of these
- ☐ All of these

*

The process of allocating incoming requests coming to cloud in a certain manner so that the available resources will be properly utilized.

- ☐ Cloud Bursting
- ☒ Task Scheduling
- ☐ Server virtualization
- ☐ None of these

*

Which of the following provides virtual machine resource access and management in cloud computing platform.

- ☒ VMM(Virtual machine Monitor)
- ☐ VMC(virtual machine Control)
- ☐ VPN(Virtual Private Network)
- ☐ None of these

*

Amazon Machine Images are virtual appliances that have been packaged to run on _____ nodes.

- ☒ XEN
- ☐ BEN
- ☐ KVM
- ☐ QEMU
- ☐ None of these

*

Low security and less customizable is the disadvantage of which type Cloud deployment model

- ☒ Public Cloud
- ☐ Private Cloud
- ☐ Hybrid cloud
- ☐ Community cloud
- ☐ All of these

*

The practice of executing policies and the procedures to improve efficiency of the computing resources in such a way as to reduce the energy consumption and environmental impact of their utilization.

- ☒ Green Computing
- ☐ Elastic Computing
- ☐ Cluster Computing
- ☐ Distributed Computing
- ☐ None of these

Services to support DBMS service in cloud platform is which type of service model?

- ☒ PaaS
- ☐ SaaS
- ☐ IaaS
- ☐ None of these

Which of the following application is least suitable to be deployed on cloud? *

- ☐ Web Content Delivery
- ☐ CRM
- ☒ Billing management
- ☐ All of these
- ☐ None of these

Which among the following is not the content of SLA in cloud platform? *

- ☐ Availability
- ☐ Response Time
- ☒ Electricity cost
- ☐ None of these
- ☐ Warranty of the Service

The property that makes cloud storage system fault tolerant *

- ☐ Replication of Data
- ☐ Redundant name node
- ☐ Rack aware placement
- ☒ All of these
- ☐ none of these

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- ☐ None of these

The Container take spacecompared to Virtual Machine

- ☐ More
- ☒ Less
- ☐ Equal
- ☐ none

When Load increases in cloud datacenters Virtual Machine Management can be done by

- ☒ Scheduling new VMs to new nodes
- ☐ Shutdown the unused nodes
- ☐ Scheduling new VMs to the same node
- ☐ None of these

In Green Cloud architecture identify the different module that comes under Green Service Allocator.

- ☒ Energy Monitor, Green Negotiator, Consumer Profiler
- ☐ Encryptor, QoS, Virtual machine
- ☐ Quality of Service, CSP, User
- ☐ All of These
- ☐ None of these

Identify the problems because of cloud Multi-Tenancy feature.

- ☐ Side-channels exploitation •
- ☐ Cross-VM information leakage
- ☐ Lack of control on data
- ☐ None of These
- ☒ All of these

*

Identify the following term which does not come under seven security risk identified by Gartner for cloud computing model.

- ☐ Privileged user access
- ☐ Regulatory compliance
- ☒ Fault tolerant and reliability
- ☐ Data segregation
- ☐ none of these

There are many technologies to simplify password management and other aspects of Identity and Access Management (IAM). A few common types of solutions that are used as part of an IAM program. Match the different systems used for Identity and Access Management with their accurate definition.

A: An access and login system that allows users to authenticate themselves once and then grants them access to all the software, systems, and data they need without having to log into each of those areas individually

B: This system uses a combination of something the user knows (e.g. a password), something the user has (e.g. a security token), and something the user is (e.g. a fingerprint) to authenticate individuals and grant them.

C: This system typically integrates with the employee database and pre-defined job roles to establish and provide the access employees need to perform their roles.

- ☒ A:Single Sign On, B:Multi factor authentication, C:Priveledge Access Management
- ☐ A:Multi factor authentication, B:Single Sign On, C:Priveledge Access Management
- ☐ A:Priveledge Access Management, B:Single Sign On, C:Multi factor authentication
- ☐ A:Priveledge Access Management, B:Multi factor authentication, C:Single Sign On
- ☐ None of These

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- ☐ DMTF
- ☐ OVF
- ☐ None of These

.....provides identity and authentication for all OpenStack services.

- ☐ Nova
- ☐ Neutron
- ☒ Keystone
- ☐ Swift
- ☐ None of these

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Cloud Bursting can be handle easily by which cloud ? *

- ☐ Community Cloud
- ☒ Hybrid Cloud
- ☐ Private Cloud
- ☐ Public Cloud

Which of these are managed by Platform as a Service (PaaS) model? *

- ☐ Data
- ☐ Application
- ☐ Runtime
- ☒ All of these

Amazon EC2 Service is an example of which type of service model? *

- ☒ IaaS
- ☐ PaaS
- ☐ SaaS
- ☐ XaaS

Identify the type of scaling in which more resources (CPU/Storage) are added to single computational unit. *

- ☒ Vertical scaling
- ☐ Horizontal scaling
- ☐ Parallel Scaling
- ☐ None of these

An operating system running on a Type 1 hypervisor is an example of which type of virtualization. *

- ☒ Full Virtualization
- ☐ Para Virtualization
- ☐ Partial Virtualization
- ☐ None of These

Service Oriented Architecture consist of the relationship between three entities they are *

- ☐ CSP, Customer, Administrator
- ☒ CSP, Customer, Broker
- ☐ CSP, Customer, Cluster Manager
- ☐ None of These

Which of the following option(s) is/are correct? *

- ☐ SLO contains SLA
- ☐ Multiple SLAs are aggregated to KPI
- ☒ KPIs are aggregated to SLO
- ☐ None of These

Match the following type of computing with the following features *

| | Virtual Organization | No Single point of Failure | Pay per usage |
|-----------------------|----------------------------------|----------------------------------|----------------------------------|
| Utility Computing | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| Grid Computing | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Distributed Computing | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |

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In cloud, service uptime is 64 minutes and downtime is 16 minutes.

What is the availability of the service?

- ☐ 0.25
- ☒ 0.75
- ☐ 4
- ☐ 4/3
- ☐ None of these

*

Low security and less customizable is the disadvantage of which type Cloud deployment model

- ☒ Public Cloud
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- ☐ Hybrid cloud
- ☐ Community cloud
- ☐ All of these

*

Identify from the following which are not included in the content of Service Level Agreement?

- a.Responsibility of consumer and provider
- b.Auditing mechanism of monitoring services.
- c.Definition of services
- d.Capacity and stability parameters

- ☐ a is not included
- ☐ b is not included
- ☐ c is not included
- ☒ d is not included
- ☐ all are not included

*

In Hadoop which of the following component stores MetaData Information?

- ☐ Data Node
- ☒ Name Node
- ☐ Task Tracker
- ☐ None of these

*

Which of the following provides virtual machine resource access and management in cloud computing platform.

- ☒ VMM(Virtual machine Monitor)
- ☐ VMC(virtual machine Control)
- ☐ VPN(Virtual Private Network)
- ☐ None of these

*

Identify the Cloud service model that provides the set of tools and services designed to make coding and deploying applications quickly and efficiently.

- ☒ Platform as a Service (PaaS)
- ☐ Infrastructure as a Service (IaaS)
- ☐ Software as a Service (SaaS)
- ☐ None of these

Communication between cloud services are done through

- ☐ HTTP
- ☒ SOAP
- ☐ XML
- ☐ None of These

Cloud computing is good option for the organization when *

- ☐ Infrastructure cost is high
- ☐ 24*7 Availability required
- ☐ Scalability is must
- ☐ None Of these
- ☒ All of these

A service provisioning model in which service provider makes computing resources and infrastructure management available to the customer as needed, and charges them for specific usage. *

- ☐ Cluster Computing
- ☐ Distributed Computing
- ☒ Utility Computing
- ☐ Grid Computing
- ☐ None of These

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