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Advanced Design VMware Cloud Management and Automation

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QUESTION 1

A company is planning to deploy a new cloud management solution that will allow business users to deploy servers via a self-service portal. After the initial discovery workshop with the new service owner, the architect has gained the following key information about the project:

In an effort to increase user experience, the IT Manager has requested that all deployments do not rely on

manual approvals.

The current IT team is made up of five engineers but only one engineer has any experience writing scripts

or automating server deployments.

The current version of the CMDB solution has no API available to create or destroy configuration items (CI)

and there is no budget for upgrades.

Currently all CMDB activities are completed manually via service request with an SLA of 4 hours.

The customer has one data center with a requirement of protection against data center failure.

The expected availability SLA (measured monthly) will be 99.5%.

The deployment of a server is expected to take no longer than 2 hours.

Given the information provided, which two risks should the architect document within the design? (Choose

two.)

A. Allowing self-service deployments of servers by business users.

B. The lack of REST-API for IP address management solution.

C. The end to end server deployment cannot be achieved in the time window.

D. There is insufficient resources available to complete the project.

E. The customer only has a single data center location.

Correct Answer: BC

QUESTION 2

An architect is completing the physical design for a vRealize Operation (vROps) solution for a customer. The customer has only provided the following information for their existing environment:

500 Virtual Machines 2 VMware vCenter Servers 10 VMware vSphere Horsts 20 Datastores Live data should be stored within the vROps solution for 6 months The RTO for all existing management components is 4 hours The RTO for all existing management components is 1 hour

Which two assumptions could the architect make when sizing the vROps cluster? (Choose two.)

A. The vROps cluster will be configured as High Availability.

B. The RTO of the vROps solution will be 4 hours.

C. The resource profile of a virtual machine will be, on average, 1 vCPU and 2 GB RAM.

D. The minimum data retention within vRealize Operations Cluster will be 12 months.

E. The RPO of the vROps solution will be 1 hour.

Correct Answer: AB

QUESTION 3

Consider the following requirements to be used in determining a vRealize Operations licensing model:

Authentication provided by Single Sign On Performance monitoring and analytics for 12 Hosts and 1 vCenter vSphere security and compliance monitoring for PCI and HIPAA Guided remediation for discovered issues Customizable dashboards, reports and views

Using the requirements, what is the minimum license that can be used for this deployment of vRealize Operations?

A. vRealize Cloud Universal Enterprise

B. Advanced

C. Standard

D. Enterprise

Correct Answer: B

QUESTION 4

The Service Owner of a vRealize Automation solution has requested that public cloud use is restricted to hosting workloads only. The configured cloud zones for all projects will be stated as follows:

vSphere AWS Azure

Which FaaS provider should the architect recommend for generic extensibility actions to meet the Service Owner\\'s requirement?

A. Auto Select

B. On-Prem

C. Microsoft Azure

D. Amazon Web Services

Correct Answer: B

QUESTION 5

An architect is designing a greenfield VMware vRealize Cloud Management solution. During the requirements gathering workshop with the customer, the future Service Owner made the following comment: The Maximum Tolerable Downtime (MTD) for the Cloud Management solution is 1 hour.

When creating the design documentation, which design quality should be used to classify the requirements?

A. Manageability

B. Availability

C. Recoverability

D. Performance

Correct Answer: C

QUESTION 6

A customer wants to implement vRealize Suite Lifecycle Manager (vRSLCM) as a part of a new SDDC

deployment.

The customer has two physical data centers and number of branch offices.

The customer has recently purchased Hyper-converged Infrastructure (HCI) hardware that has to be

implemented and configured.

The customer has a target availability Service Level Agreement (SLA) of 99.99%, measured quarterly, for

the management components.

Which recommendation should the architect make to achieve the requirements?

A. Deploy a 3-node vRSLCM cluster on a vSAN stretched cluster

B. Deploy a vRSLCM appliance in one DC and replicate it to the second DC

C. Deploy a vRSLCM appliance on a vSAN stretched cluster

D. Deploy a vRSLCM appliance on a vSAN cluster

Correct Answer: D

QUESTION 7

A cloud architect is writing an implementation plan for deployment of a clustered vRealize Automation deployment that will use a third-party load balancer.

Which two steps should the architect include within the implementation plan to ensure a successful deployment of vRealize Automation? (Choose two.)

A. Disable all secondary nodes from the load balancer pools

B. Create and configure the monitoring of vRealize Automation and vRealize Orchestrator

C. Ensure all the SAN certificates for vRealize Suite are available

D. Enable all non-primary nodes on the load balancer

E. Turn off the health monitors or change them temporarily to default to ICMP and ensure traffic is still forwarding to the primary node

Correct Answer: BC

QUESTION 8

An architect has been engaged to update an operations management solution design to include VMware

vRealize Suite Lifecycle Manager (vRSLCM) so that the support team can reduce the complexity of

environment and content management activities. The customer has provided the following information with

regards to the existing environment:

There are four environments for business applications:

Development

Staging

Production

DR

The solution consists of two well-connected data centers (with low latency, high bandwidth links).

All Production workloads and management tooling are deployed to Data Center 1 (DC1).

All Staging, Development and DR workloads run in Data Center 2 (DC2).

Each physical data center has one vCenter Server and a sufficient number of hosts for workload and

management.

There are two separate VMware vRealize Operations (vROps) clusters, one in each data center location.

Currently all content is developed in the DC2 vROps cluster before being manually imported into the DC1

vROps cluster.

Which two design decisions should the architect include in the solution? (Choose two.)

A. An environment will be created within vRSLCM across both physical data centers to logically group management components.

B. An environment will be created within vRSLCM for each physical environment to logically separate management

components.

C. A single vRSLCM appliance will be deployed into each physical datacenter.

D. An environment will be created within vRSLCM for each physical data center to logically separate management components.

E. A single vRSLCM appliance will be deployed into DC1.

Correct Answer: AC

QUESTION 9

A customer wants to collect data from 120,000 objects and given the vRealize Operations sizing guide: (See exhibit.)

	vRealize Operations Node				
	Extra Small	Small	Medium	Large	Extra Large
Configuration					
vCPU	2	4	8	16	24
Default Memory (GB)	8	16	32	48	128
Maximum Memory Configuration (GB)	N/A	32	64	96	N/A
Objects and Metrics					
Single-Node Maximum Objects	350	5,000	15,000	20,000	45,000
Single-Node Maximum Collected Metrics	70,000	800,000	2,500,000	4,000,000	10,000,000
Maximum number of nodes in a cluster	1	2	8	16	8

Assuming the customer has no requirements for continuous availability or high availability, what recommendation for the quantity and type of nodes should the architect provide?

A. 3 Extra Large Nodes

B. 6 Large Nodes

C. 12 Large Nodes

D. 8 Medium Nodes

Correct Answer: D

QUESTION 10

A customer wants to design and deploy Workspace ONE Access to provide multi-tenancy for vRA 8.x

deployment.

Which two designs decisions would achieve the customer\'s requirement? (Choose two.)

Note: SAN stands for Subject Alternative Name.

A. Configure a certificate with multiple SAN entries for Workspace ONE Access.

B. Configure SSL termination on the load balancer for Workspace ONE Access.

C. Configure SSL bridging on the load balancer for Workspace ONE Access.

D. Configure SSL passthrough on the load balancer for Workspace ONE Access.

E. Configure a certificate with a single SAN entry for Workspace ONE Access.

Correct Answer: BE