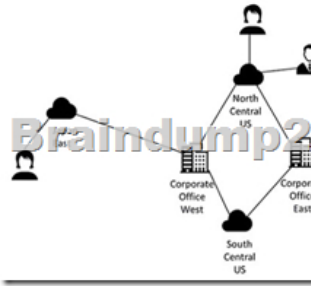
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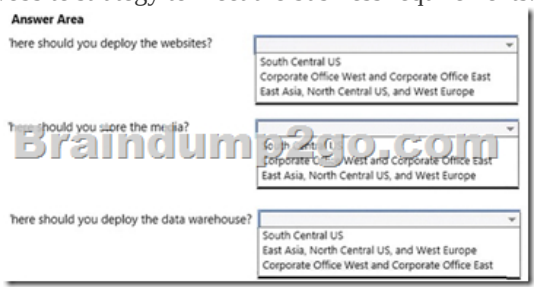
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The company plans to move its media workflows to the cloud. Lucerne Publishing provides access to its customers, who are third-party companies, so that they can download, upload, search, and index media that is stored on Lucerne Publishing servers.Apps and ApplicationsLucerne Publishing develops the applications that customers use to deliver media. The company currently provides the following media delivery applications:Lucerne Media W - a web application that delivers media by using any browser Lucerne Media M - a mobile app that delivers media by using Windows Phone 8.1 Lucerne Media A - a mobile app that delivers media by using an iOS device Lucerne Media N - a mobile app that delivers media by using an Android device Lucerne Media D - a desktop client application that customer's install on their local computerBusiness RequirementsLucerne Publishing's customers and their consumers have the following requirements:Access to media must be time-constricted once media is delivered to a consumer. The time required to download media to mobile devices must be minimized. Customers must have 24-hour access to media downloads regardless of their location or time zone.Lucerne Publishing must be able to monitor the performance and usage of its customer-facing app.Lucerne Publishing wants to make its asset catalog searchable without requiring a database redesign.Customers must be able to access all data by using a web application. They must also be able to access data by using a mobile app that is provided by Lucerne Publishing.Customers must be able to search for media assets by key words and media type. Lucerne Publishing wants to move the asset catalog database to the cloud without formatting the source data.Other RequirementsDevelopmentCode and current development documents must be backed up at all times. All solutions must be automatically built and deployed to Azure when code is checked in to source control.Network OptimizationLucerne Publishing has a .NET web application that runs on Azure. The web application analyzes storage and the distribution of its media assets. It needs to monitor the utilization of the web application. Ultimately, Lucerne Publishing hopes to cut its costs by reducing data replication without sacrificing its quality of service to its customers. The solution has the following requirements:- Optimize the storage location and amount of duplication of media.- Vary several parameters including the number of data nodes and the distance from node to customers.- Minimize network bandwidth.- Lucerne Publishing wants be notified of exceptions in the web application. Technical RequirementsData MiningLucerne Publishing constantly mines its data to identify customer patterns. The company plans to replace the existing on-premises cluster with a cloud-based solution. Lucerne Publishing has the following requirements:Virtual machines:- The data mining solution must support the use of hundreds to thousands of processing cores.- Minimize the number of virtual machines by using more powerful virtual machines. - Each virtual machine must always have eight or more processor cores available. - Allow the number of processor cores dedicated to an analysis to grow and shrink automatically based on the demand of the analysis. - Virtual machines must use remote memory direct access to improve performance.Task scheduling:- The solution must automatically schedule jobs. - The scheduler must distribute the jobs based on the demand and available resources.Data analysis results:The solution must provide a web service that allows applications to access the results of analyses.Other RequirementsFeature SupportAd copy data must be searchable in full text.Ad copy data must indexed to optimize search speed. Media metadata must be stored in Azure Table storage. Media files must be stored in Azure BLOB storage. The customer-facing website must have access to all ad copy and media. The customer-facing website must automatically scale and replicate to locations around the world.Media and data must be replicated around the world to decrease the latency of data transfers.Media uploads must have fast data transfer rates (low latency) without the need to upload the data offline.SecurityCustomer access must be managed by using Active Directory. Media files must be encrypted by using the PlayReady encryption method. Customers must be able to upload media quickly and securely over a private connection with no opportunity for internet snooping. QUESTION 63You need to ensure that the website scales.What should you do? A. Deploy Traffic Manager and configure it to route user traffic to specified endpoints to other Azure datacenters.B. Enter multiple DNS entries in each virtual network to route requests to other Azure datacenters.C. Set up a new

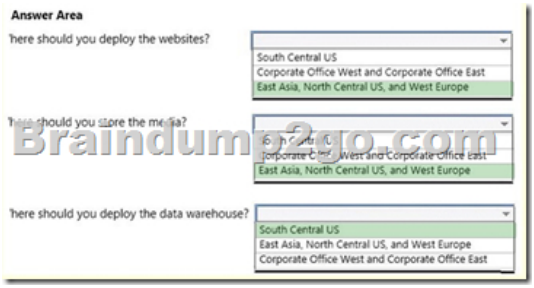
Azure datacenter to Azure datacenter VPN to enable the solution to communicate across regions.D. Use a virtual network to route network traffic in a single Azure datacenter. Answer: AExplanation:Azure Traffic Manager: Traffic Manager allows you to load balance incoming traffic across multiple, hosted Azure services. You can load balance traffic for services running in the same datacenter or across different datacenters around the world. By effectively managing traffic, you can ensure high performance, availability, and resiliency for your applications. QUESTION 64You need to analyze Lucerne's performance monitoring solution. Which three applications should you monitor? Each correct answer presents a complete solution. A. The Lucerne Media-D applicationB. The data mining applicationC. The Lucerne Media-W applicationD. The Lucerne Media-M appE. The Lucerne Media-N app Answer: CDEExplanation:Monitor the web application and the mobile apps.C: Lucerne Media W - a web application that delivers media by using any browserD: Lucerne Media M - a mobile app that delivers media by using Windows Phone 8.1E: Lucerne Media N - a mobile app that delivers media by using an Android device* Scenario:/ Lucerne Publishing must be able to monitor the performance and usage of its customer-facing app./ Customers must be able to access all data by using a web application. They must also be able to access data by using a mobile app that is provided by Lucerne Publishing. QUESTION 65You need to configure the deployment of the storage analysis application.What should you do? A. Create a new Mobile Service.B. Configure the deployment from source control.C. Add a new deployment slot.D. Turn on continuous integration. Answer: B Explanation:Scenario: Data analysis results:The solution must provide a web service that allows applications to access the results of analyses. QUESTION 66You need to recommend an appropriate solution for the data mining requirements.Which solution should you recommend? A. Design a schedule process that allocates tasks to multiple virtual machines, and use the Azure Portal to create new VMs as needed.B. Use Azure HPC Scheduler Tools to schedule jobs and automate scaling of virtual machines.C. Use Traffic Manager to allocate tasks to multiple virtual machines, and use the Azure Portal to spin up new virtual machines as needed. D. Use Windows Server HPC Pack on-premises to schedule jobs and automate scaling of virtual machines in Azure. Answer: B Explanation:It is not A or C because it involves manually scaling. Requirements are for automatic scaling - ?Allow the number of processor cores dedicated to an analysis to grow and shrink automatically based on the demand of the analysis.?It is not D as it is an on-premises solution. - ?The company plans to replace the existing on-premises cluster with a cloud-based solution.?B fits as Azure HPC provides Virtual Machines with RDMA and 8 or more processor cores.
https://azure.microsoft.com/en-us/documentation/articles/virtual-machines-a8-a9-a10-a11-specs/ QUESTION 67Hotspot Question The company has two corporate offices. Customers will access the websites from datacenters around the world.



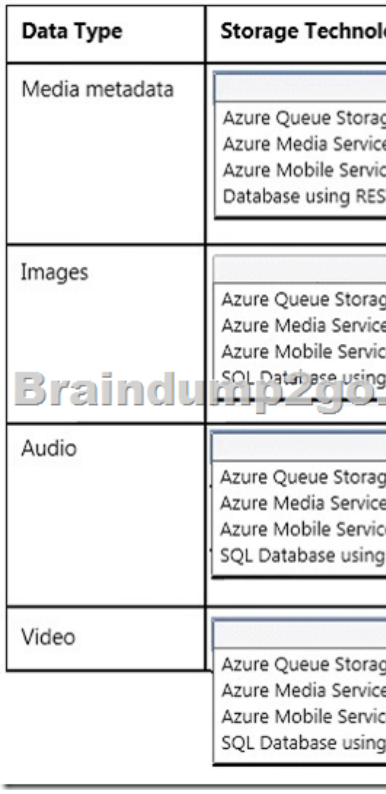
You need to architect the global website strategy to meet the business requirements. Use the drop-down menus to select the answer choice that answers each question.



Answer:



Explanation:Websites and Media should be deployed to East Asia, North Central US and West Europe.- The customer-facing website must automatically scale and replicate to locations around the world.- Media and data must be replicated around the world to decrease the latency of data transfers.Deploy data warehouse in South Central US Azure Datacenter where both corporate offices can access QUESTION 68Hotspot QuestionYou need to recommend strategies for storing data.Which services should you recommend? To answer, select the appropriate storage technology for each data type in the answer area.



Answer:



Explanation:* Media metadata: Azure Queue Storage ServiceScenario: Media metadata must be stored in Azure Table storage.

Azure Queues provide a uniform and consistent programming model across queues, tables, and BLOBs ? both for developers and for operations teams.* Images: Azure Mobile ServicesScenario: Media files must be stored in Azure BLOB storage.You can use Azure Mobile Services to access images from mobile devices.* Audio: Azure Media Services* Video: Azure Media ServicesMicrosoft Azure Media Services is an extensible cloud-based platform that enables developers to build scalable media management and delivery applications. Media Services is based on REST APIs that enable you to securely upload, store, encode and package video or audio content for both ondemand and live streaming delivery to various clients (for example, TV, PC, and mobile devices).
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