**Note:**

This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

1. Your company deploys several virtual machines on-premises and to Azure. ExpressRoute is deployed and configured for on-premises to Azure connectivity. Several virtual machines exhibit network connectivity issues. You need to analyze the network traffic to identify whether packets are being allowed or denied to the virtual machines.
   * Solution Hint: Use Azure Network Watcher IP Flow Verify
   * Solution: Use Azure Advisor to analyze the network traffic. –**No**
   * Solution: Use Azure Network Watcher to run IP flow verify to analyze the network traffic. **–Yes**
   * Solution: Install and configure the Azure Monitoring agent and the Dependency Agent on all the virtual machines. Use VM insights in Azure Monitor to analyze the network traffic. **–No**
   * Use Azure Traffic Analytics in Azure Network Watcher to analyze the network traffic. **–No**
2. You need to deploy resources to host a **stateless web app in an Azure subscription**. The solution must meet the following requirements:  
   ✑ Provide access to the full .NET framework.  
   ✑ Provide redundancy if an Azure region fails.  
   ✑ Grant administrators access to the operating system to install custom application dependencies.
   * Solution Hint: You need to deploy two Azure virtual machines to two Azure regions, but also create a **Traffic Manager profile**.
   * Solution: You deploy two Azure virtual machines to two Azure regions, and you deploy an Azure Application Gateway. **–No**
   * Solution: You deploy a virtual machine scale set that uses autoscaling. **–No**
   * Solution: You deploy two Azure virtual machines to two Azure regions, and you deploy an Azure Traffic Manager Profile. **–Yes**
3. You have an app named App1 that uses data from two on-premises Microsoft SQL Server databases named DB1 and DB2.You plan to move DB1 and DB2 to Azure. You need to implement Azure services to host DB1 and DB2. The solution must support server-side transactions across DB1 and DB2.
   * Solution Hint: **Azure SQL Database managed instance**
   * Solution: You deploy DB1 and DB2 as Azure SQL databases each on a different Azure SQL Database server. **–No**
   * Solution: You decide to deploy the database to an azure SQL database-managed instance. **–Yes**
4. You have an Azure Storage account that contains two 1-GB data files named File1 and File2. The data files are set to use the archive access tier. You need to ensure that File1 is accessible immediately when a retrieval request is initiated.
   * Solution Hint: **use the hot access tier**
   * Solution: You move File1 to a new storage account. For File1, you set Access tier to Archive. **–No**
   * Solution: For File1, you set Access tier to Cool. **–No**
   * Solution: For File1, you set Access tier to Hot. **–Yes**
5. You plan to deploy multiple instances of an Azure web app across several Azure regions. You need to design an access solution for the app. The solution must meet the following replication requirements:

✑ Support rate limiting.

✑ Balance requests between all instances.

✑ Ensure that users can access the app in the event of a regional outage.

* + Solution Hint: **Azure Front Door**
  + Solution: You use Azure Application Gateway to provide access to the app. **–No**
  + Solution: You use Azure Traffic Manager to provide access to the app. **–No**
  + Solution: You use Azure Front Door to provide access to the app. **–Yes**

1. You are designing an Azure solution for a company that has four departments. Each department will deploy several Azure app services and Azure SQL databases. You need to recommend a solution to report the costs for each department to deploy the app services and the databases. The solution must provide a consolidated view for cost reporting that displays cost broken down by department.
   * Solution Hint: Assign tags to each resource group.
   * Solution: Create a separate resource group for each department. Place the resources for each department in its respective resource group. **–No**
   * Solution: Place all resources in the same resource group. Assign tags to each resource. **–Yes**
2. You have an on-premises Hyper-V cluster that hosts 20 virtual machines. Some virtual machines run Windows Server 2016 and some run Linux.You plan to migrate the virtual machines to an Azure subscription. You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.
   * Solution Hint: use Azure Site Recovery
   * Solution: You recommend implementing an Azure Storage account, and then using Azure Migrate**. –No**
   * Solution: You recommend implementing a Recovery Services vault, and then using Azure Site Recovery. **–Yes**
   * Solution: You decide to create an Azure storage account and then run AzCopy **–No**
3. You have an Azure subscription. You have an on-premises file server named Server1 that runs Windows Server 2019. You manage Server1 by using Windows Admin Center. You need to ensure that if Server1 fails, you can recover Server1 files from Azure.
   * Solution Hint: use Azure Storage Sync service and configure Azure File.
   * Solution: You register Windows Admin Center in Azure and configure Azure Backup. **–No**
   * Solution: From the Azure portal, you create a Recovery Services vault. On VM1, you install the Azure Backup agent and you schedule a backup. **–No**
   * Solution: From the Azure portal, you create a Recovery Services vault. On Server1, you install the Azure Backup agent and you successfully perform a backup. **–No**
4. Your company plans to deploy various **Azure App Service instances that will use Azure SQL databases**. The App Service instances will be deployed at the same time as the Azure SQL databases. The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions. The resources for the App Service instances must reside in the same region. You need to recommend a solution to meet the regulatory requirement.
   * Solution Hint: **You recommend using an Azure policy to enforce the resource group location**
   * Solution: You recommend using an Azure policy to enforce the resource group location. **–Yes**
   * Solution: You recommend creating resource groups based on locations and implementing resource locks on the resource groups. **–No**
   * Solution: You recommend using the Regulatory compliance dashboard in Azure Security Center. **–No**