QUESTION 2
DRAG DROP
You need to prepare the New York office infrastructure for the migration of the on-premises virtual machines to Azure.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
From VM1, deploy a virtual machine.	
From the ASRV1 blade in the Azure portal, select a protection goal.	
From an Azure portal, download the OVF file.	
From VM1, register the configuration server.	
From VM1, connect to the collector virtual machine.	

Correct Answer:

Actions	Answer Area
From VM1, deploy a virtual machine.	From the ASRV1 blade in the Azure portal, select a protection goal.
From the ASRV1 blade in the Azure portal, select a protection goal.	From an Azure portal, download the OVF file.
From an Azure portal, download the OVF file.	From VM1, deploy a virtual machine.
From VM1, register the configuration server.	From VM1, register the configuration server.
From VM1, connect to the collector virtual machine.	

QUESTION 3
What should you create to configure AG2?

A.   multi-site listeners
B.   URL path-based routing rules
C.   basic routing rules
D.   an additional public IP address
E.   basic listeners

Correct Answer: A

QUESTION 4
You need to configure AG1. What should you create?

A.   a basic routing rule
B.   a multi-site listener
C.   a basic listener
D.   a URL path-based routing rule

Correct Answer: D
Explanation:
https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-create-url-route-portal

QUESTION 5
DRAG DROP
You need to configure the Azure ExpressRoute circuits.

How should you configure Azure ExpressRoute routing? To answer, drag the appropriate configurations to the correct locations. Each Configuration may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content

NOTE: Each correct selection is worth one point.

Configurations	Answer Area
Use BGP communities to configure BGP's Local Preference.	Routing from A.Datum to Azure:
Use BGP to append the private AS numbers to the advertised prefixes.	Routing from Microsoft Online Services to A.Datum:
Use BGP to append the public AS numbers to the advertised prefixes.	

Correct Answer:

Configurations	Answer Area	
Use BGP communities to configure BGP's Local Preference.	Routing from A.Datum to Azure:	Use BGP to append the public AS numbers to the advertised prefixes.
Use BGP to append the private AS numbers to the advertised prefixes.	Routing from Microsoft Online Services to A.Datum:	Use BGP communities to configure BGP's Local Preference.
Use BGP to append the public AS numbers to the advertised prefixes.		

Topic 6, Case Study 5

Case Study
Background
Best For You Organics Company is a global restaurant franchise that has multiple locations. The company wants to enhance user experiences and vendor integrations. The company plans to implement automated mobile ordering and delivery services.

Best For You Organics hosts an Azure web app at the URL https://www.bestforyouorganics.com. Users can use the web app to browse restaurant location, menu items, nutritional information, and company information. The company developed and deployed a cross-platform mobile app.

Requirements
Chatbot
You must develop a chatbot by using the Bot Builder SDK and Language Understanding Intelligence Service (LUIS). The chatbot must allow users to order food for pickup or delivery.

The chatbot must meet the following requirements:

▪ Ensure that chatbot is secure by using the Bot Framework connector.
▪ Use natural language processing and speech recognition so that users can interact with the chatbot by using text and voice. Processing must be server-based.
▪ Alert users about promotions at local restaurants.
▪ Enable users to place an order for delivery or pickup by using their voice.
▪ Greet the user upon sign-in by displaying a graphical interface that contains action buttons.
▪ The chatbot greeting interface must match the formatting of the following example:

Welcome to the Restaurant!

John Doe
Sun, Aug 26, 2018

Welcome to Best For You Organics Company!
How can we help you today?

Specials: Chicken Marsala

## Order Pickup   Order Delivery

Vendor API

Vendors receive and provide updates for the restaurant inventory and delivery services by using Azure API Management hosted APIs. Each vendor uses their own subscription to access each of the APIs.

APIs must meet the following conditions:

▪ API usage must not exceed 5,000 calls and 50,000 kilobytes of bandwidth per hour per vendor.
▪ If a vendor is nearing the number of calls or bandwidth limit, the API must trigger email notifications to the vendor.
▪ API must prevent API usage spikes on a per-subscription basis by limiting the call rate to 100 calls per minute.
▪ The Inventory API must be written by using ASP.NET Core and Node.js.
▪ The API must be updated to provide an interface to Azure SQL Database objects must be managed by using code.
▪ The Delivery API must be protected by using the OAuth 2.0 protocol with Azure Active Directory (Azure AD) when called from the Azure web app. You register the Delivery API and web app in Azure AD. You enable OAuth 2.0 in the web app.
▪ The delivery API must update the Products table, the Vendor transactions table, and the Billing table in a single transaction.

The Best For You Organics Company architecture team has created the following diagram depicting the expected deployments into Azure:
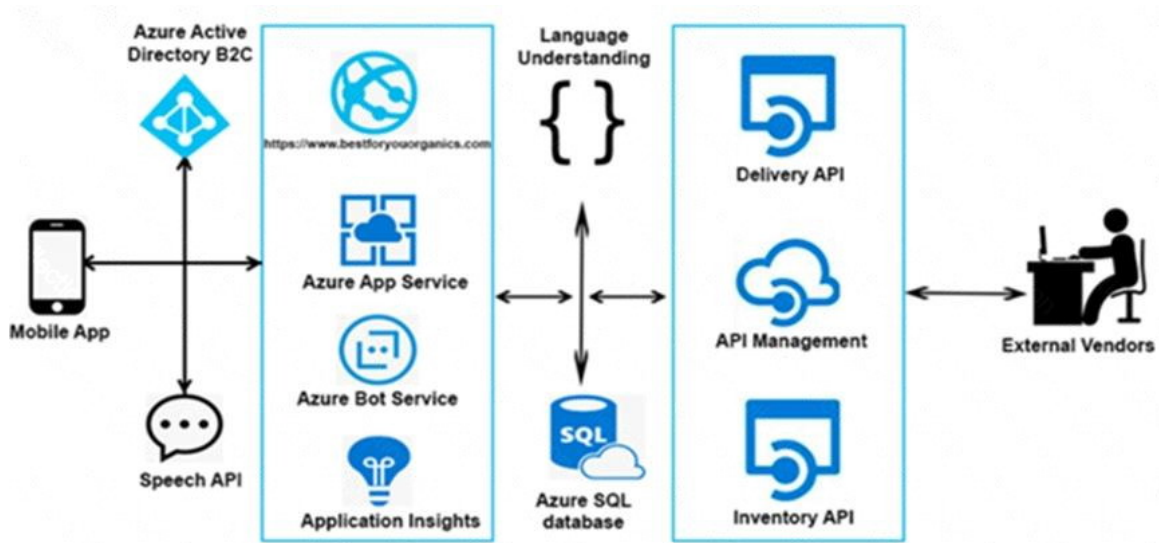
Architecture
Issues
Delivery API
The Delivery API intermittently throws the following exception:

"System.Data.Entity.Core.EntityCommandExecutionException: An error occurred while executing the command definition. See the inner exception for details. -
->System.Data.SqlClient.SqlException: A transport-level error has occurred when receiving results from the server. (provider: Session Provider, error: 19 - Physical connection is not usable)"

Chatbot greeting
The chatbot's greeting does not show the user's name. You need to debug the chatbot locally.

Language processing
Users report that the bot fails to understand when a customer attempts to order dishes that use Italian names.

App code
Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.