



# AZ-700<sup>Q&As</sup>

Designing and Implementing Microsoft Azure Networking Solutions

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### QUESTION 1

You have five virtual machines that run Windows Server. Each virtual machine hosts a different web app.

You plan to use an Azure application gateway to provide access to each web app by using a hostname of `www.contoso.com` and a different URL path for each web app, for example: `https://www.contoso.com/app1`.

You need to control the flow of traffic based on the URL path.

What should you configure?

- A. HTTP settings
- B. listeners
- C. rules
- D. rewrites

Correct Answer: C

Reference: <https://docs.microsoft.com/en-us/azure/application-gateway/url-route-overview>

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### QUESTION 2

You have an Azure application gateway configured for a single website that is available at `https://www.contoso.com`.

The application gateway contains one backend pool and one rule. The backend pool contains two backend servers. Each backend server has an additional website that is available on port 8080.

You need to ensure that if port 8080 is unavailable on a backend server, all the traffic for `https://www.contoso.com` is redirected to the other backend server.

What should you do?

- A. Create a health probe
- B. Add a new rule
- C. Change the port on the listener
- D. Add a new listener

Correct Answer: A

By default, Azure Application Gateway probes backend servers to check their health status and to check whether they're ready to serve requests. Users can also create custom probes to mention the host name, the path to be probed, and the status codes to be accepted as Healthy. In each case, if the backend server doesn't respond successfully, Application Gateway marks the server as Unhealthy and stops forwarding requests to the server. After the server starts responding successfully, Application Gateway resumes forwarding the requests.

Note: The default probe request is sent in the format of `://127.0.0.1/`. For example, `http://127.0.0.1:80` for an http probe on port 80. Only HTTP status codes of 200 through 399 are considered healthy. The protocol and destination port are



inherited from the HTTP settings. If you want Application Gateway to probe on a different protocol, host name, or path and to recognize a different status code as Healthy, configure a custom probe and associate it with the HTTP settings.

Reference: <https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-backend-health-troubleshooting>

### QUESTION 3

Your company has four branch offices and an Azure subscription. The subscription contains an Azure VPN gateway named GW1. The branch offices are configured as shown in the following table.

Name	Local router	Local network gateway	Connection	VPN gateway
Branch1	RTR1	LNG1	Connection1	GW1
Branch2	RTR2	LNG2	Connection2	GW1
Branch3	RTR3	LNG3	Connection3	GW1
Branch4	RTR4	LNG4	Connection4	GW1

The branch office routers provide internet connectivity and Site-to-Site VPN connections to GW1.

The users in Branch1 report that they can connect to internet resources, but cannot access Azure resources.

You need to ensure that the Branch1 users can connect to the Azure resources. The solution must meet the following requirements:

1.

Minimize downtime for all users.

2.

Minimize administrative effort. What should you do first?

- A. Recreate LNG1.
- B. Reset RTR1.
- C. Reset Connection1.
- D. Reset GW1.

Correct Answer: C

Azure VPN gateway Site-to-Site VPN connections local network gateway

Resetting an Azure VPN gateway or gateway connection is helpful if you lose cross-premises VPN connectivity on one or more site-to-site VPN tunnels. In this situation, your on-premises VPN devices are all working correctly, but aren't able

to establish IPsec tunnels with the Azure VPN gateways.

Connection reset



When you select to reset a connection, the gateway doesn't reboot. Only the selected connection is reset and restored.

Incorrect:

Not D: Resetting GW1 would affect all VPN connections.

Gateway reset

A VPN gateway is composed of two VM instances running in an active-standby configuration. When you reset the gateway, it reboots the gateway, and then reapplies the cross-premises configurations to it.

Reference: <https://learn.microsoft.com/en-us/azure/vpn-gateway/reset-gateway>

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#### QUESTION 4

You have an application named App1 that listens for incoming requests on a preconfigured group of 50 TCP ports and UDP ports.

You install App1 on 10 Azure virtual machines.

You need to implement load balancing for App1 across all the virtual machines. The solution must minimize the number of load balancing rules.

What should you include in the solution?

- A. Azure Application Gateway V2 that has multiple listeners
- B. Azure Standard Load Balancer that has Floating IP enabled
- C. Azure Standard Load Balancer that has high availability (HA) ports enabled
- D. Azure Application Gateway v2 that has multiple site hosting enabled

Correct Answer: C

C. Azure Standard Load Balancer that has high availability (HA) ports enabled App1 is installed on 10 VMs which can be put in a Backend pool. The req is to minimize the number of load balancing rules. If you select HA it will allow you to have 1 rule for TCP and UDP ports, if you don't select HA you will need to have a minimum of 2 rules for TCP and UDP with a \* range.

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#### QUESTION 5

You have a hybrid environment that uses ExpressRoute to connect an on-premises network and Azure.

You need to log the uptime and the latency of the connection periodically by using an Azure virtual machine and an on-premises virtual machine. What should you use?

- A. Azure Monitor
- B. IP flow verify
- C. Connection Monitor



D. Azure Internet Analyzer

Correct Answer: C

Reference: <https://docs.microsoft.com/en-us/azure/network-watcher/connection-monitor>

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