Exam AZ-700 topic 3 question 15 discussion

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christianpageqc Highly Voted 2 years, 7 months ago

According to this article correct answer would be NAT Gateway (IP3) https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-gateway-resource#nat-and-vm-with-instance-level-public-ip

upvoted 96 times

Bharat 2 years, 7 months ago

I believe that you are correct.

upvoted 5 times

christianpageqc 2 years, 7 months ago

More this https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-gateway-resource#nat-and-vm-with-instance-level-public-ip-and-public-load-balancer
Anyway the article says "On a subnet with a NAT gateway, all outbound to Internet scenarios are superseded by the NAT gateway"

upvoted 34 times

nkhan19 2 years, 3 months ago

the key is "superseded" ONLY if the traffic goes via LB else , ILPIP is prioritized.

upvoted 2 times

vunder 2 years ago

No, the article says " When NAT gateway is configured to subnets, all previous outbound configurations, such as Load balancer or instance-level public IPs (IL PIPs) are superseded and NAT gateway directs all outbound traffic to the internet. " So the correct answer is C: Ref: https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-gateway-resource#connect-to-the-internet-with-nat-gateway

upvoted 19 times

pear77777 1 year, 1 month ago

Another benefit of Instance-Level Public IP Address is that it is used as the Outgoing IP address of the VM when connecting to external endpoints. Since a PIP uniquely identifies

a VM the receiver can easily whitelist or identify the source of the traffic. For scenarios requiring large number of outbound connections such as Web crawler, it is recommended that the VMs uses Instance-Level public IPs so that it has dedicated outbound IP for Source Network Address Translation (SNAT)

upvoted 1 times

Takloy 2 years, 4 months ago

This is the only explanation I need. Thanks!

upvoted 1 times

js_orozco 11 months, 1 week ago

That's right! From top to bottom preference: NAT Gateway Public IP > Backend Standard LB (with defined outbound rules) > Backed Basic Public LB > VM IL Public IP.

upvoted 2 times

northgaterebel Highly Voted 2 years, 5 months ago

Selected Answer: C

https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-gateway-resource#nat-and-vm-with-instance-level-public-ip-and-public-load-balancer

upvoted 13 times

voldemort123 Most Recent 7 months, 1 week ago

https://learn.microsoft.com/en-us/azure/nat-gateway/nat-gateway-design

"In the presence of other outbound configurations within a virtual network, such as a load balancer or instance-level public IPs (IL PIPs), the NAT gateway takes precedence for outbound connectivity"

IP3 is correct

upvoted 1 times

Az700crasher 8 months ago

According to Microsoft Learn, when a NAT gateway is attached to a subnet within a virtual network, the NAT gateway assumes the subnet's default next hop type for all outbound traffic directed to the internet. No extra routing configurations are required. NAT Gateway doesn't provide unsolicited inbound connections from the internet 12.

NAT gateway takes precedence over other outbound connectivity methods, including Load balancer, instance-level public IP addresses, and Azure Firewall. When NAT gateway is configured to a virtual network where a different outbound connectivity method already exists, NAT gateway takes over all outbound traffic moving forward 1.

I hope this helps!

upvoted 2 times

azure_dori 8 months, 3 weeks ago

Selected Answer: C

C is the correct answer. https://learn.microsoft.com/en-us/azure/nat-gateway/nat-gateway-design#connect-to-the-internet-with-a-nat-gateway

upvoted 1 times

Lazylinux 9 months, 2 weeks ago

Selected Answer: C

I C

As per MS guidelines for outbound connections
NAT gateway takes precedence over other outbound connectivity methods, including Load balancer, instance-level public IP addresses, and Azure Firewall.

upvoted 1 times

Kipruto 1 year, 1 month ago

"In the presence of other outbound configurations within a virtual network, such as Load balancer or instance-level public IPs (IL PIPs), NAT gateway takes precedence for outbound connectivity. All new outbound initiated and return traffic starts using NAT gateway. There's no down time on outbound connectivity after adding NAT gateway to a subnet with existing outbound configurations." so correct answer is NAT Gateway (IP3)

upvoted 1 times

RockyAnil 1 year, 1 month ago

Selected Answer: C

NAT takes precedence

upvoted 1 times

AzureLearner01 1 year, 2 months ago

I think this question or scenario is not right. You can't add a NAT gateway to a subnet that have a load balancer with basic sku. Tried this in a lab and i needed to change the loadbalancer to standard sku with standard ip and not basic.

upvoted 1 times

GiorgioLDN 1 year, 2 months ago

Selected Answer: C

See the "NAT and VM with an instance-level public IP" section at: https://learn.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-gateway-resource#nat-and-vm-with-instance-level-public-ip

upvoted 1 times

JennyHuang36 1 year, 2 months ago

In exam Feb, 2023

upvoted 2 times

Rajan395 1 year, 3 months ago

correct answer

upvoted 1 times

TJ001 1 year, 3 months ago

IP3.. NAT gateway is priority

upvoted 1 times

zukako 1 year, 4 months ago

IP3 is correct. NAT Gateway is most prioritiesed.

upvoted 1 times

Nicolas_UY 1 year, 5 months ago

Selected Answer: C

https://learn.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-gateway-resource Any outbound configuration from a load-balancing rule or outbound rules is superseded by NAT gateway. The VM will also use NAT gateway for outbound. Inbound originated isn't affected. The question is for outbound, inbound will use ILPIP

upvoted 1 times

Nicolas_UY 1 year, 5 months ago

Selected Answer: A

When initiating outbound traffic from VM1, the instance-level public IP address (ILPIP) of VM1 would be used. This is because the ILPIP is the public IP address associated specifically with VM1, and would be used for outbound traffic originating from that virtual machine. The public IP address associated with the Basic Load Balancer and the NAT Gateway, as well as the public IP address associated with the virtual network gateway, would not be used for outbound traffic originating from VM1.

upvoted 1 times

winy 1 year, 5 months ago

Based on below
https://learn.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-gateway-resource#nat-and-vm-with-an-instance-level-public-ip-and-a-standard-public-load-balancer
"Any outbound configuration from a load-balancing rule or outbound rules is superseded by NAT gateway."

upvoted 1 times

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