Exam AZ-700 topic 3 question 13 discussion

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gme999 Highly Voted 2 years, 6 months ago

Correct. Evaluate if SNAT port exhaustion should be mitigated with additional IP addresses assigned to NAT gateway resource. https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/troubleshoot-nat#snat-exhaustion

upvoted 21 times

leotoronto123 2 years, 4 months ago

Correct Answer is B.
Evaluate if SNAT port exhaustion should be mitigated with additional IP addresses assigned to NAT gateway resource.

upvoted 4 times

Ajdlfasudfo0 1 year, 5 months ago

the url changed to https://learn.microsoft.com/en-us/azure/virtual-network/nat-gateway/troubleshoot-nat-connectivity

upvoted 3 times

Lazylinux Most Recent 9 months, 2 weeks ago

Selected Answer: B

B is Honey!! Just modify the IP address Prefixes CIDR ranges from /28 - /31
/28 = 16 IPs /29 = 8 IPs /30 = 4IPs and /31 (smallest possible) = 2IPs

upvoted 2 times

wooyourdaddy 1 year, 2 months ago

Selected Answer: B

The first scenario in the table at this link.

https://learn.microsoft.com/en-us/azure/virtual-network/nat-gateway/troubleshoot-nat-connectivity#nat-gateway-not-scaled-out-enough

Scenario
You're experiencing contention for SNAT ports and SNAT port exhaustion during periods of

high usage.

Evidence:
You run the following metrics in Azure Monitor: Total SNAT Connection Count: "Sum" aggregation shows high connection volume. For SNAT Connection Count, "Failed" connection state shows transient or persistent failures over time. Dropped Packets: "Sum" aggregation shows packets dropping consistent with high connection volume and connection failures.

Mitigation:
Add more public IP addresses or public IP prefixes as need (assign up to 16 IP addresses in total to your NAT gateway). This addition will provide more SNAT port inventory and allow you to scale your scenario further.

upvoted 3 times

samir111 1 year, 2 months ago

Selected Answer: B

The answer is B

upvoted 1 times

Rajan395 1 year, 3 months ago

correct answer

upvoted 1 times

sapien45 1 year, 7 months ago

Selected Answer: B

https://learn.microsoft.com/en-us/azure/virtual-network/nat-gateway/troubleshoot-nat-connectivity

Add more public IP addresses or public IP prefixes as need (assign up to 16 IP addresses in total to your NAT gateway). This addition will provide more SNAT port inventory and allow you to scale your scenario further.

upvoted 1 times

AdityaGupta 1 year, 7 months ago

Selected Answer: B

Correct Answer is B

upvoted 1 times

iwikneerg 1 year, 9 months ago

https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/troubleshoot-nat#outbound-connectivity-not-scaled-out-enough

Determine if you can add more public IP addresses or public IP prefixes. This addition will allow for up to 16 IP addresses in total to your NAT gateway. This addition will provide more inventory for available SNAT ports (64,000 per IP address) and allow you to scale your scenario further.

upvoted 1 times

zerocool114 1 year, 10 months ago

on exam today, correct answer

upvoted 1 times

Fearless90 1 year, 10 months ago

Selected Answer: B

B. Add a public IP address. > Do this first since 500 session hosts

A. Bind the NAT gateway to another subnet.

upvoted 1 times

Fearless90 1 year, 10 months ago

https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/troubleshoot-nat#snat-exhaustion-due-to-nat-gateway-configuration

SNAT exhaustion due to NAT gateway configuration

Common SNAT exhaustion issues with NAT gateway typically have to do with the configurations on the NAT gateway. Common SNAT exhaustion issues include:

• Outbound connectivity on NAT gateway not scaled out enough.

• NAT gateway's configurable TCP idle timeout timer is set higher than the default value of 4 minutes.

upvoted 2 times

Fearless90 1 year, 10 months ago

https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/troubleshoot-nat#snat-exhaustion-due-to-nat-gateway-configuration

Outbound connectivity not scaled out enough

Each public IP address provides 64,512 SNAT ports to subnets attached to NAT gateway. From those available SNAT ports, NAT gateway can support up to 50,000 concurrent connections to the same destination endpoint. If outbound connections are dropping because SNAT ports are being exhausted, then NAT gateway may not be scaled out enough to handle the workload. More public IP addresses may need to be added to NAT gateway in order to provide more SNAT ports for outbound connectivity.

upvoted 2 times

Fearless90 1 year, 10 months ago

https://docs.microsoft.com/en-us/azure/load-balancer/troubleshoot-outbound-connection#configure-an-individual-public-ip-on-vm

Configure an individual public IP on VM

For smaller scale deployments, you can consider assigning a public IP to a VM. If a public IP is assigned to a VM, all ports provided by the public IP are available to the VM. Unlike with a load balancer or a NAT gateway, the ports are only accessible to the single VM associated with the IP address.

We highly recommend considering utilizing NAT gateway instead, as assigning individual public IP addresses isn't a scalable solution.

upvoted 2 times

milan92stankovic 1 year, 11 months ago

Selected Answer: B

B is the correct answer.

upvoted 2 times

d3j4n 1 year, 11 months ago

Pozdravi Radu Manojlovic brat moj !

upvoted 5 times

Edward1 2 years ago

Selected Answer: B

B is Correct

Azure Firewall proporciona 2496 puertos SNAT por dirección IP pública configurada por instancia de conjunto de escalado de máquina virtual de back-end (mínimo de 2 instancias) y puede asociar hasta 250 direcciones IP públicas . Una mejor opción para escalar los puertos SNAT salientes es usar una NAT de Azure Virtual Network como puerta de enlace NAT. Proporciona 64 000 puertos SNAT por dirección IP pública y admite hasta 16 direcciones IP públicas, proporcionando efectivamente hasta 1 024 000 puertos SNAT salientes.

upvoted 4 times

mohamed1999 2 years, 1 month ago

Selected Answer: B

Answer is B

Outbound connectivity not scaled out enough
Each public IP address provides 64,512 SNAT ports to subnets attached to NAT gateway. From those available SNAT ports, NAT gateway can support up to 50,000 concurrent connections to the same destination endpoint. If outbound connections are dropping because SNAT ports are being exhausted, then NAT gateway may not be scaled out enough to handle the workload. More public IP addresses may need to be added to NAT gateway in order to provide more SNAT ports for outbound connectivity.

upvoted 4 times

Kiwi28 2 years, 2 months ago

Selected Answer: A

Hi all, I think answer is A, because of what is says here - https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-outbound-connections#:~:text=The%20frontend%20IPs%20of%20a,load%20balancer's%20public%20IP%20address.

Basically answer A is saying assing to a subnet, meaning bigger subnet, to increase number of available IP addresses.

Answer B says assing public IP address - not sure how this will help, as NAT gateway is already used and as such must have a public IP assigned.

upvoted 1 times

rockethack 2 years, 2 months ago

This question was on the exam on 18th Feb 2022.

upvoted 2 times

d0bermannn 2 years, 2 months ago

Selected Answer: B

B. Add a public IP address

upvoted 1 times

AckeyGraham 2 years, 3 months ago

Selected Answer: A

than out of ports

upvoted 2 times

Load full discussion...