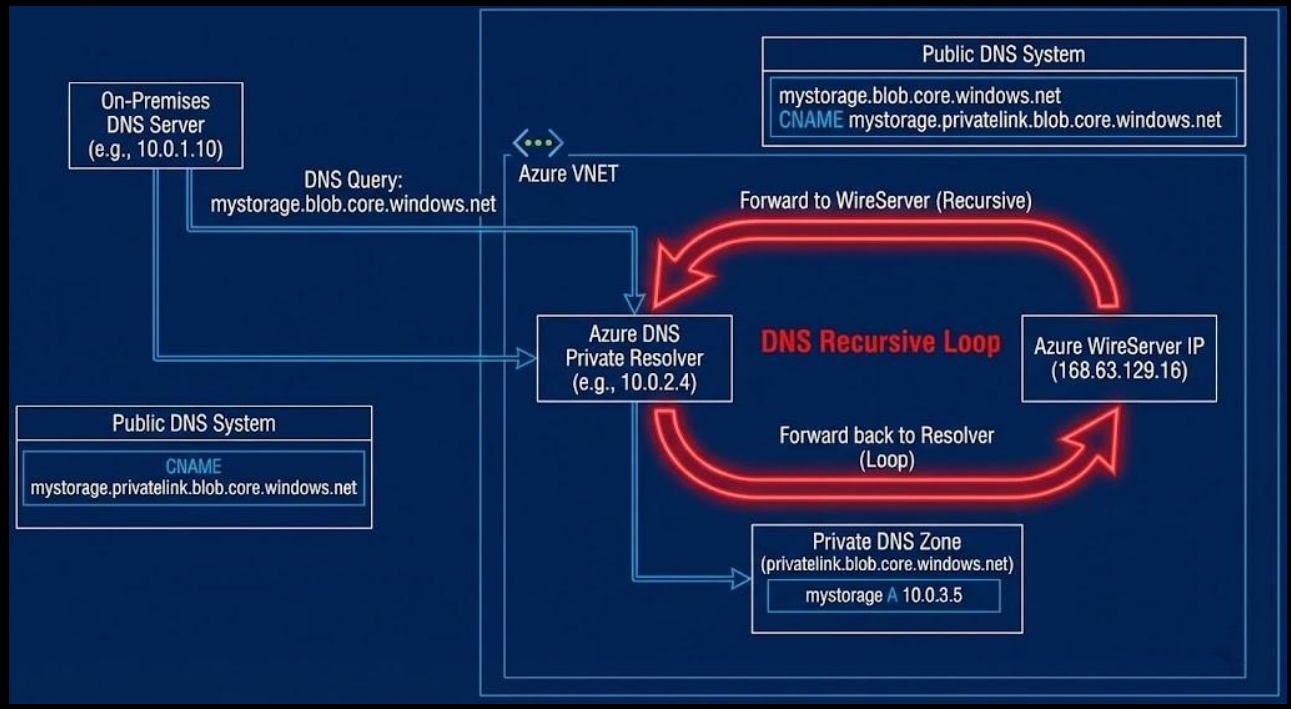
The Azure Private Endpoint Trap

Why DNS Loops and Subnet Exhaustion are killing migrations before the 2026 outbound retirement.

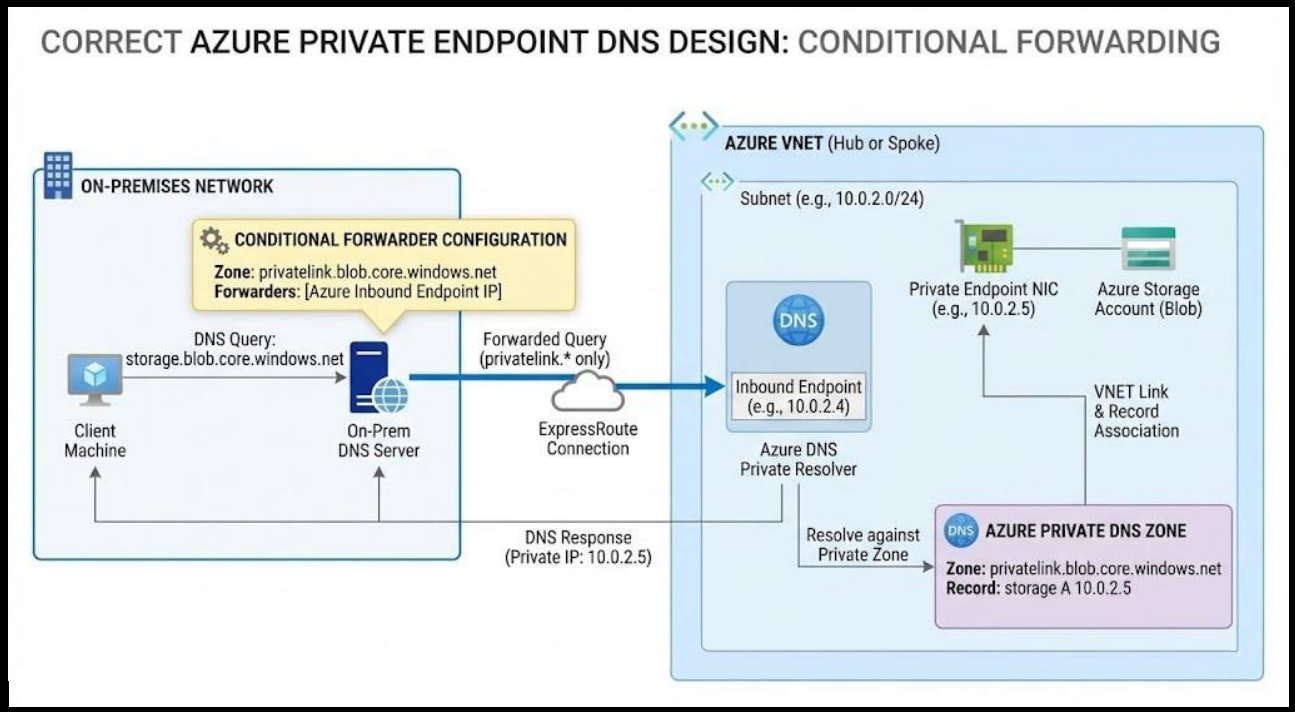
The "Broad Forwarder" Loop

- On-prem DNS forwards *.core.windows.net to Azure.
- Azure attempts public resolution and bounces it back.
- Result: High latency, random 404s, and timeouts.



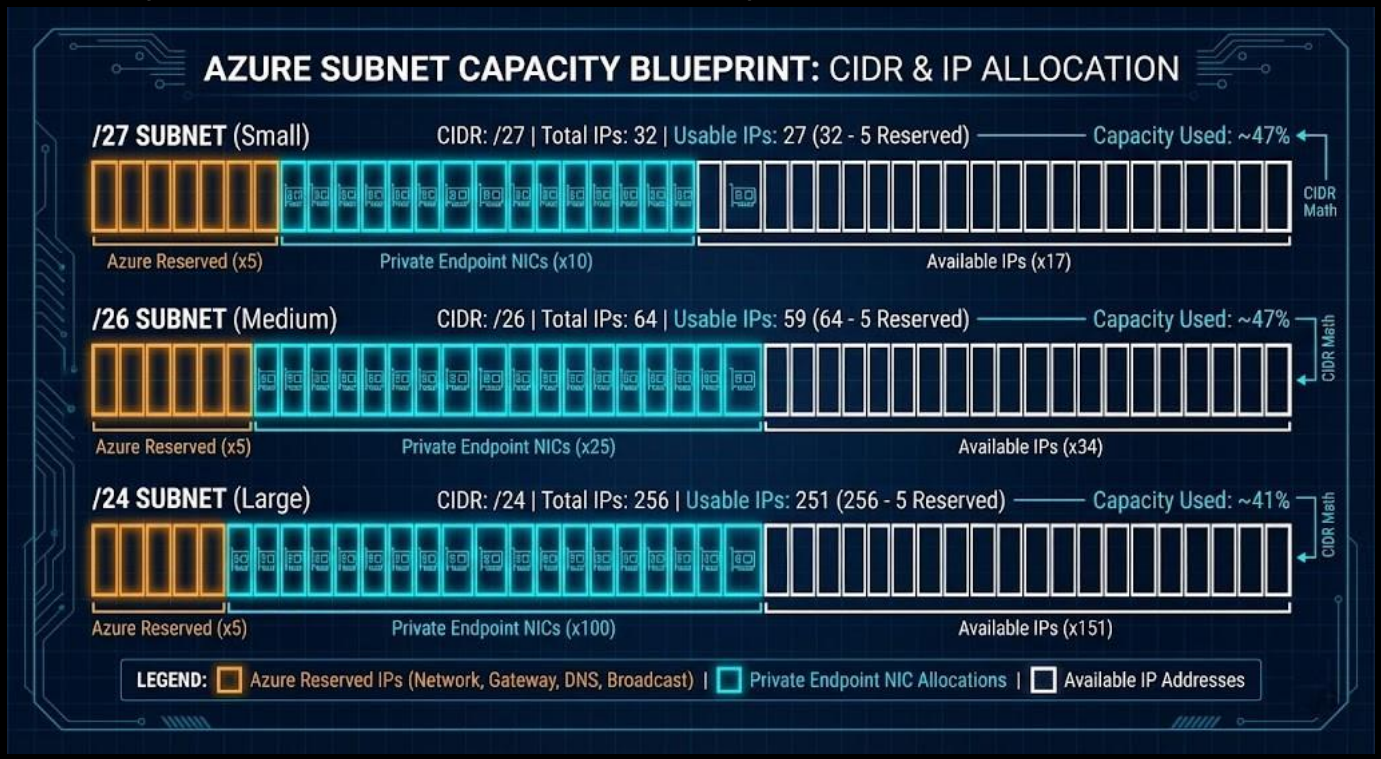
Surgical privatelink Forwarding

- The Azure WireServer IP (168.63.129.16) is invisible over VPN/ExpressRoute.
- Deploy Azure DNS Private Resolver.
- Only forward the exact privatelink suffix.



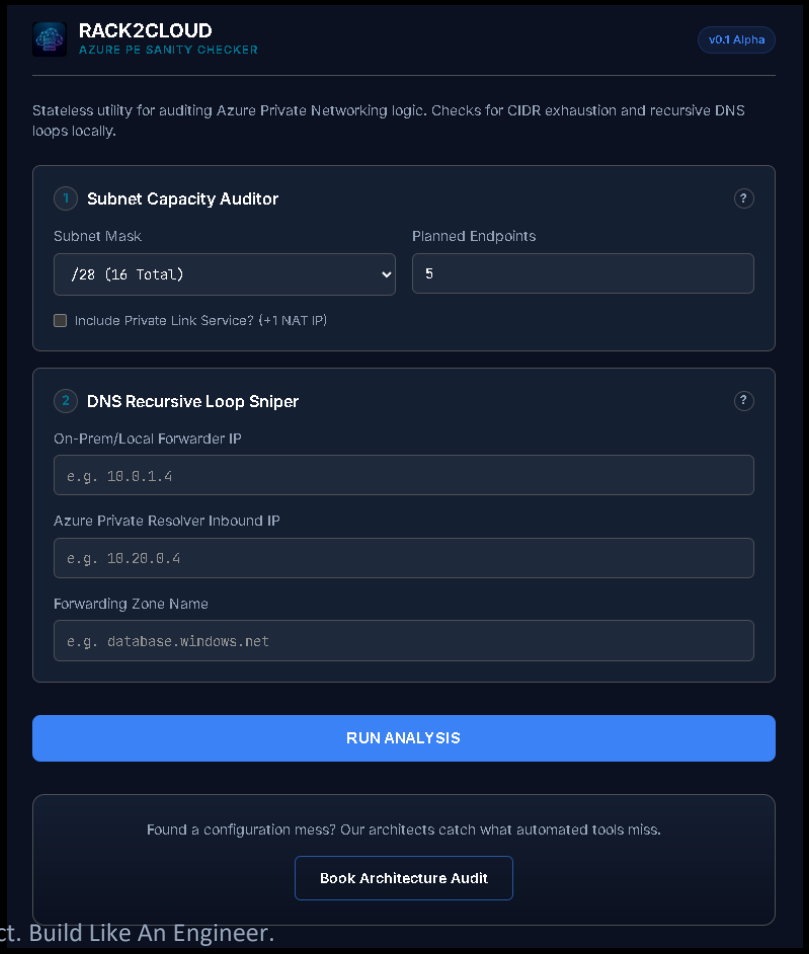
Subnet Math is Non-Negotiable

- Private Endpoints are NIC-backed.
- They do not share IPs. They cannot be moved.
- Azure reserves 5 IPs per subnet.
- A /27 safely holds ~20 Private Endpoints.



Stop Guessing. Validate Your Architecture.

- Run your environment through our stateless Azure PE Checker to instantly detect DNS loops and IP headroom.



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