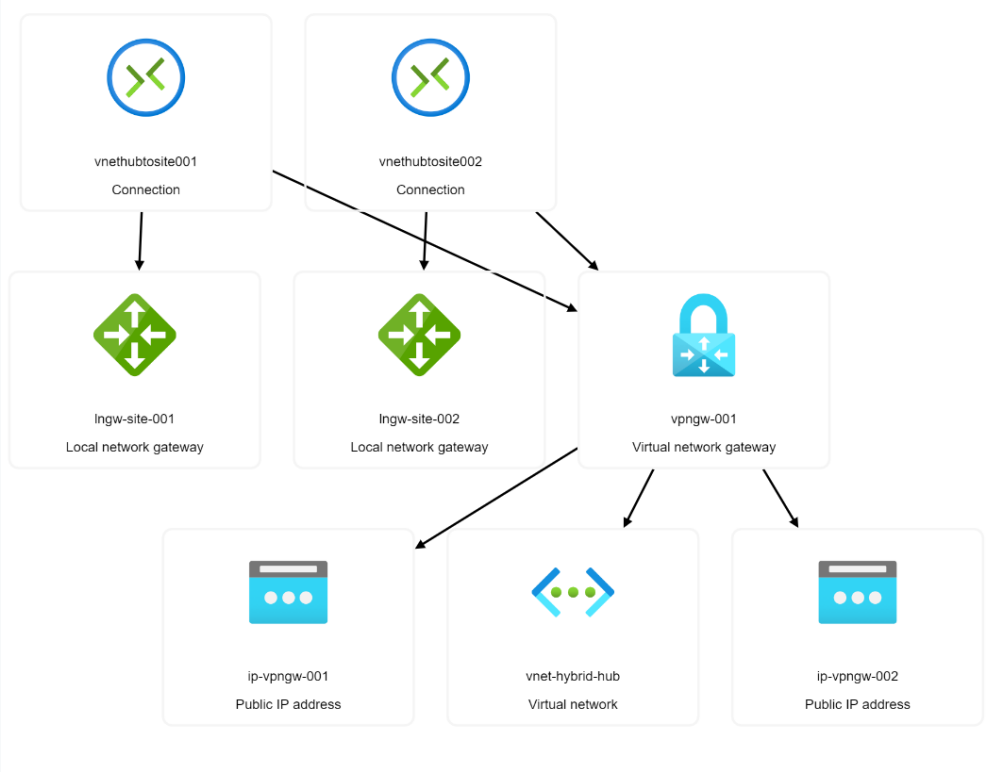
Proposed Solution

To meet the needs of your organization, you propose the following solution:
You will implement an Active-Active Site-to-Site (S2S) VPN Gateway in Microsoft Azure to secure branch office communication into Azure from approved on-premises VPN Gateway devices as seen in the Connectivity Diagram and here and here



This architectural diagram lays out each service you will deploy in Azure during the lab.
Hybrid Network Architectural Diagram (To be Delivered Later)
This gateway will be deployed based on the following decision points:

- You will implement route-based gateway as you need support for IKEv2, point-to-site connections, and multisite connections.
- You will implement a Generation 2 VPN Gateway since it supports SKUs up to 10 Gbps. Also, sku upgrades are only allowed within generation. This will allow you to scale up point-to-site (P2S) connections and aggregate bandwidth as your company grows.
- You will implement VpnGw2AZ initially as it supports Availability Zones, 2.5 Gbps of throughput, and supports 350 mobile windows and mac users.
- You will deploy 2 S2S VPN gateways in an Active-Active scenario. This gives you the lowest possible downtime for your Azure VPN Gateways. Active-Standby has minimum levels of downtime during planned and unplanned downtime.