LB vs Gate Way vs Traffic Manager vs Front Door

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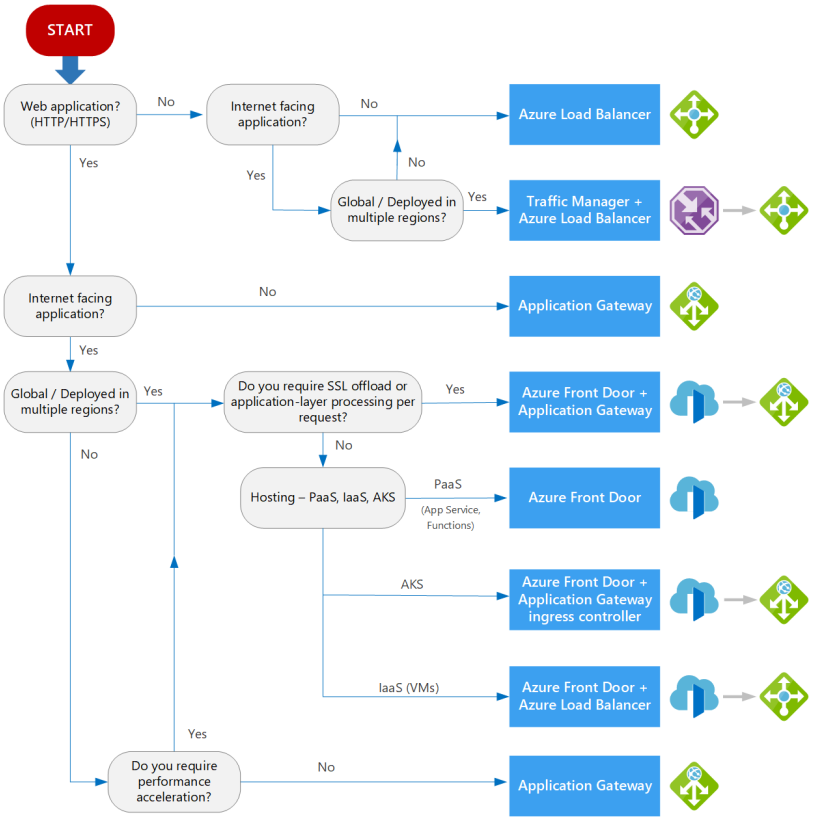
https://docs.microsoft.com/en-us/azure/architecture/guide/technology-choices/load-balancing-overview

Grid view

#	Azure Load Balancer	Azure Application Gateway	Azure Traffic Manager	Azure Front Door
1	Works at Layer 4 OSI Model	Works at Layer 7 OSI Model	DNS-based traffic load balancer (load balances only at the domain level)	offers Layer 7 capabilities
2	Uses Health probes as TCP/HTTP	Uses Health probes as HTTP/HTTPS	Uses Health probes as HTTP/HTTPS/TCP	synthetic HTTP/HTTPS request in form of GET, HEAD
3	Two SKU's Standard and Basic	Two SKU's Standard and Basic	NA	NA
4	Global Load Balancing Solution	Regional Load Balancing Solution	Global Load Balancing Solution	Global Load Balancing Solution
5	Azure virtual machines	Any IP address	public DNS CNAME	Does not work at VM/Container Level
6	TCP & UDP protocol	HTTP, HTTPS, HTTP/2 & WebSockets	DNS resolution	HTTP, HTTPS and HTTP/2.
7	Sticky session supported	Sticky session supported	Sticky session not supported	Sticky session supported
8	NSG provide traffic control	NSG provide traffic control	Geo-traffic Restriction	
9	NA	Can be implemented with Web Application Firewall (WAF)	NA	Can be implemented with Web Application Firewall (WAF)



ervice	Global/regional	Recommended traffic
Azure Front Door	Global	HTTP(S)
Traffic Manager	Global	non-HTTP(S)
Application Gateway	Regional	HTTP(S)
Azure Load Balancer	Global	non-HTTP(S)

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