API Gateway

API Gateway is a fully managed service that makes it easy to create, publish, maintain, monitor, and secure APIs at any scale. It acts as a "front door" for applications to access data, business logic, or functionality from your backend services. API Gateway supports RESTful APIs, HTTP APIs, and WebSocket APIs.

VPC Endpoint Gateway

VPC Endpoint Gateway is a centralized service that can be used by multiple VPCs and AWS services to establish private connectivity between a VPC and AWS services over the AWS network, bypassing the internet. It provides a dedicated connection between the VPC and AWS services like S3 or DynamoDB.

Transit Gateway

Transit Gateway is a service that simplifies and centralizes network connectivity between multiple VPCs and remote networks. It acts as a hub that connects these networks, providing a scalable and highly available solution for interconnecting them. Transit Gateway ensures efficient and secure traffic flow between the connected networks and VPCs.

Direct Connect Gateway

Direct Connect Gateway is a service that enables customers to connect multiple VPCs in different AWS regions to a single Direct Connect connection. It acts as a central hub for managing and routing traffic between the different Direct Connect connections between on-premises data centers and AWS.

Internet Gateway

Internet Gateway is a gateway that is attached to a VPC to enable communication between instances in the VPC and the internet. It controls traffic to and from the VPC, similar to how a building gate controls who and what can enter or exit a physical space.

Virtual Private Gateway

Virtual Private Gateway is used to establish secure IPsec VPN tunnels between an on-premises network and an Amazon VPC. It acts as the endpoint for the VPN connection and is associated with a specific VPC. Traffic between the VPC and the remote network is encrypted and transmitted over the VPN connections.