

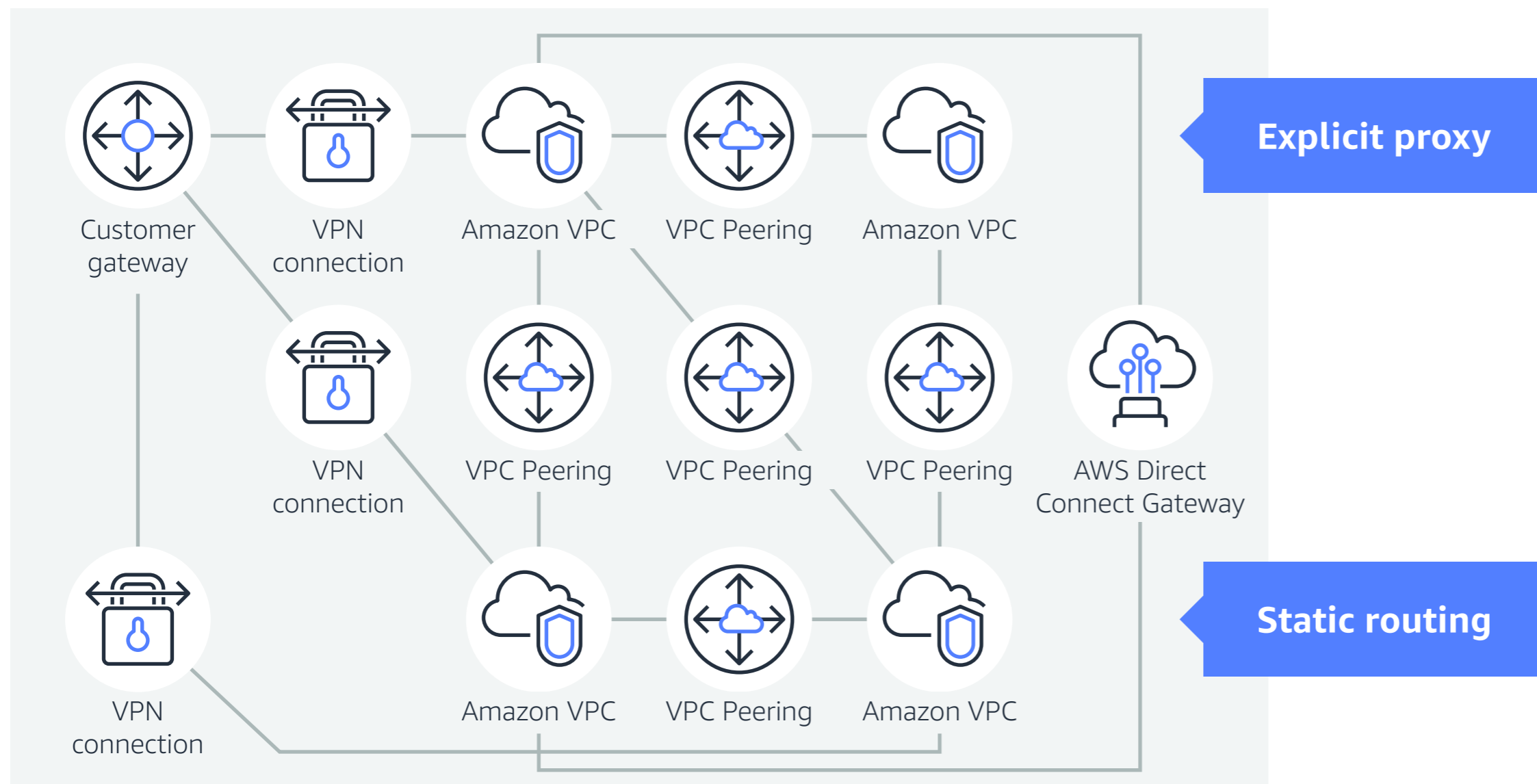
# AWS Transit Gateway

Easily scale connectivity across thousands of Amazon VPCs, AWS accounts, and on-premises networks



# Scaling Complex Networks for Optimized Growth

As you grow the number of workloads running on AWS, you need the ability to scale your networks across multiple accounts and Amazon Virtual Private Clouds (Amazon VPCs). As you add more VPCs, complex point-to-point peering may cause organizational issues, higher latency, and decreased performance.



## These issues impact your network performance:



Non-scaling, point-to-point peering



VPN bandwidth limitations



Time-consuming management of routing configuration



# Centralized Connectivity with AWS Transit Gateway

AWS Transit Gateway connects to all your Amazon Virtual Private Clouds (Amazon VPCs) and on-premises networks, scaling workloads, and providing strong operational controls through a single high resiliency gateway.



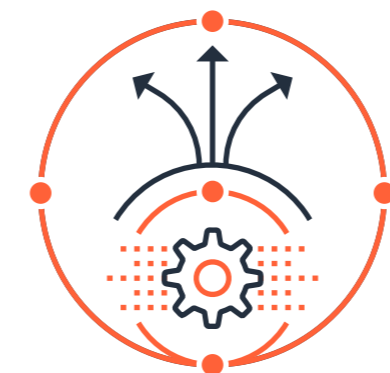
**Interconnects Amazon VPCs and on-premises networks** with centralized routing policies



**Globally scales connectivity** supporting thousands of Amazon VPCs across multiple accounts



**Increases connectivity throughput** over multiple VPN or AWS Direct Connect connections



**Simplifies network configuration** with flexible segmentation and routing rules



# Interconnects Thousands of Amazon VPCs and On-Premises Networks

Transit Gateway allows you to simplify the management of network policies and configurations while scaling globally.



## Simplified networking

Centrally connect multiple Amazon VPCs across accounts

Centrally connect VPN and AWS Direct Connect

Reduce or eliminate peer-to-peer networking

Increase VPN throughput by 50 Gbps+ via equal-cost multi-path routing (ECMP)



## Global connectivity

Deploy AWS Transit Gateway in your AWS Regions

Reduce blast radius with regional construct

Leverage the AWS global network

Low-latency connectivity



## Easy manageability

Quickly configure on-premises connectivity to AWS

Monitor and manage from a central point

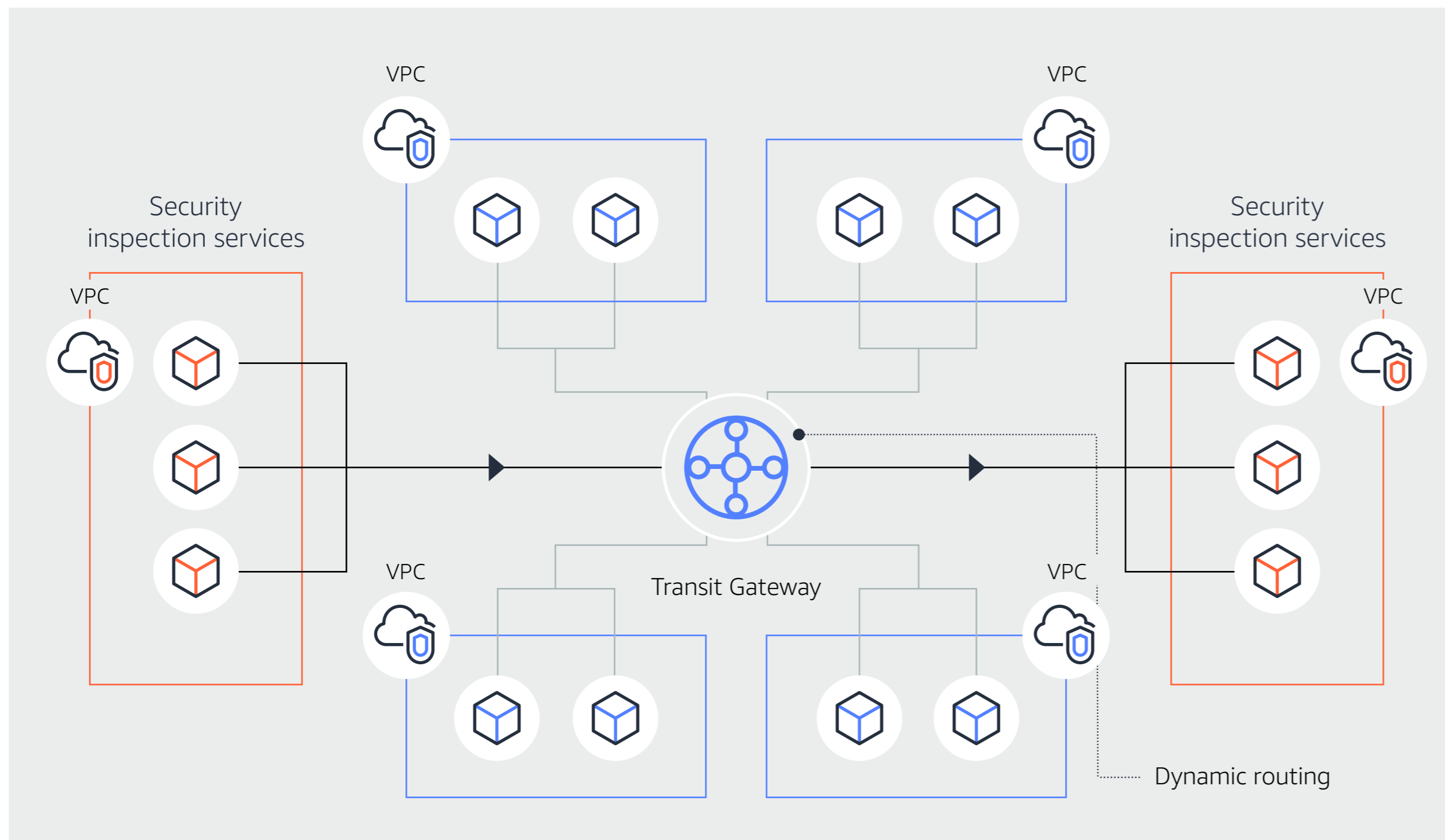
Integrate with Amazon CloudWatch and Amazon VPC flow logs

Leverage existing Amazon VPC security groups and network access control lists



# How AWS Transit Gateway Simplifies Network Connectivity

Transit Gateway's hub-and-spoke structure connects Amazon VPCs, on-premises networks, and edge services in a centralized portal, streamlining your ability to scale and build global networks.



Any new Amazon VPC connected to Transit Gateway is automatically available to every other network connected to Transit Gateway

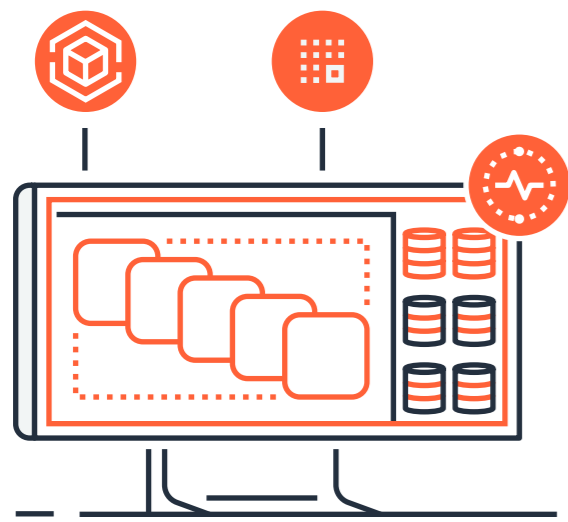
**By only requiring each network to connect to a central hub and not to every other network, Transit Gateway:**

- Simplifies management
- Centralizes routing policies
- Increases network scalability
- Reduces operational costs
- Solves latency issues

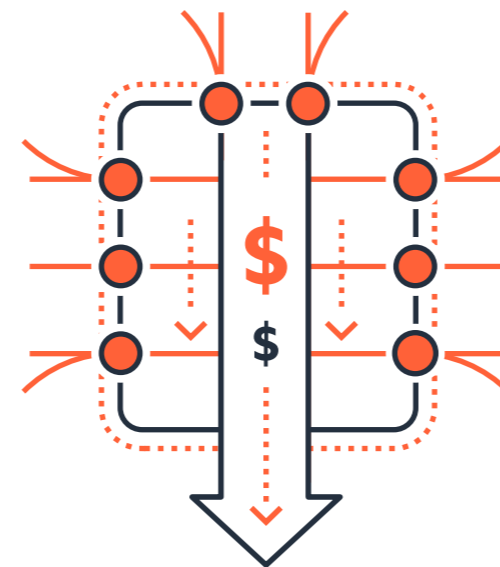


# If you have multiple, geographically-dispersed network resources

Transit Gateway enables you to:



**Build applications spanning a large number of Amazon VPCs**



**Reduce overhead by simplifying management across thousands of Amazon VPCs**



**Share any network services across multiple Amazon VPCs**

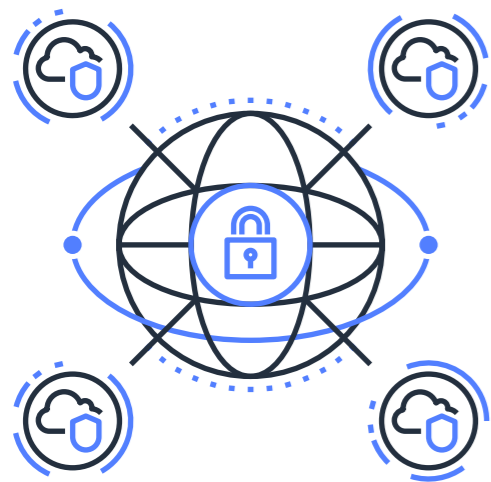
“Together, Aviatrix Orchestrator and AWS Transit Gateway create an integrated architecture that further simplifies transit network operations by automating multi-account management, route propagation, and security policies of AWS Transit Gateway.”

—Sherry Wei, CTO and Founder, Aviatrix

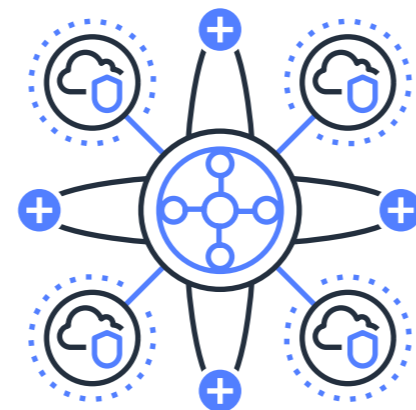


# If you need edge services consolidation

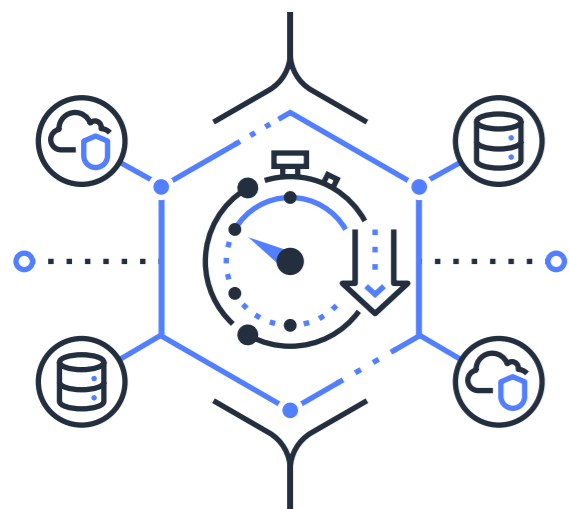
Transit Gateway allows you to:



**Share a common VPN or Direct Connect gateway across your VPCs**



**Add an Amazon VPC to Transit Gateway without additional customer network changes**



**Reduce time to connect on-premises resources to multiple Amazon VPCs**

“AWS Transit Gateway radically evolved and simplified cloud networking. Using Transit Gateway, we reduced the time to interconnect new VPCs and on-premises networks from weeks to minutes while attaining consistent and more reliable network performance!”

—Khoder Shamy, Director, Cloud Platform and Infrastructure, Fuze



# If you want to strengthen your digital security and threat intelligence

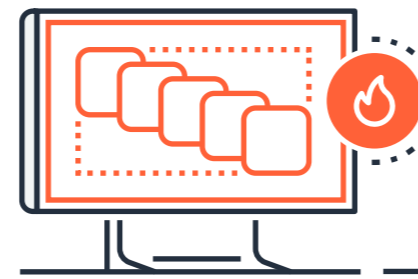
Transit Gateway integrates with partners to offer:



**Shared VPC to host security tools**



**Firewall as a service**



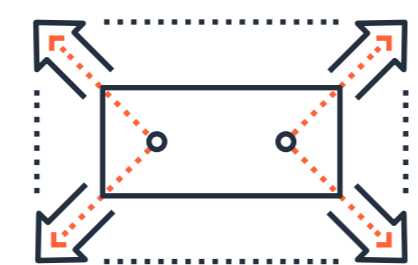
**Web application firewall**



**Data loss prevention**



**Intrusion detection and prevention**



**Scalability over native AWS services**

“Autodesk builds software that helps people imagine, design, and make a better world. AWS Transit Gateway helps us do that by simplifying the management of Amazon Virtual Private Clouds in our cloud infrastructure. This enables our engineering teams to easily scale our network to deliver simple yet robust standardized solutions to support our global workflows.”

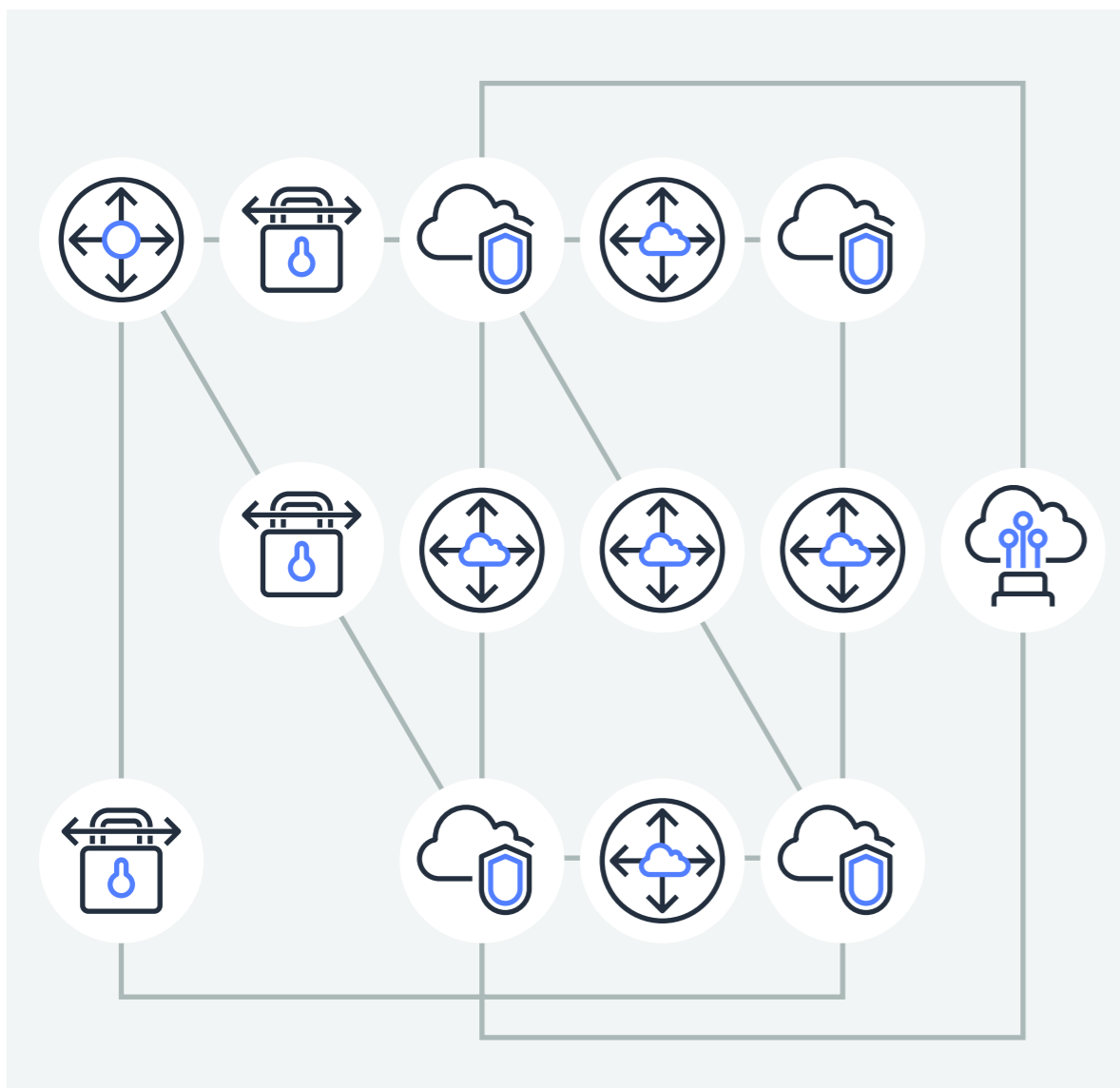
—Steve Litras, Director of Infrastructure Services, Autodesk



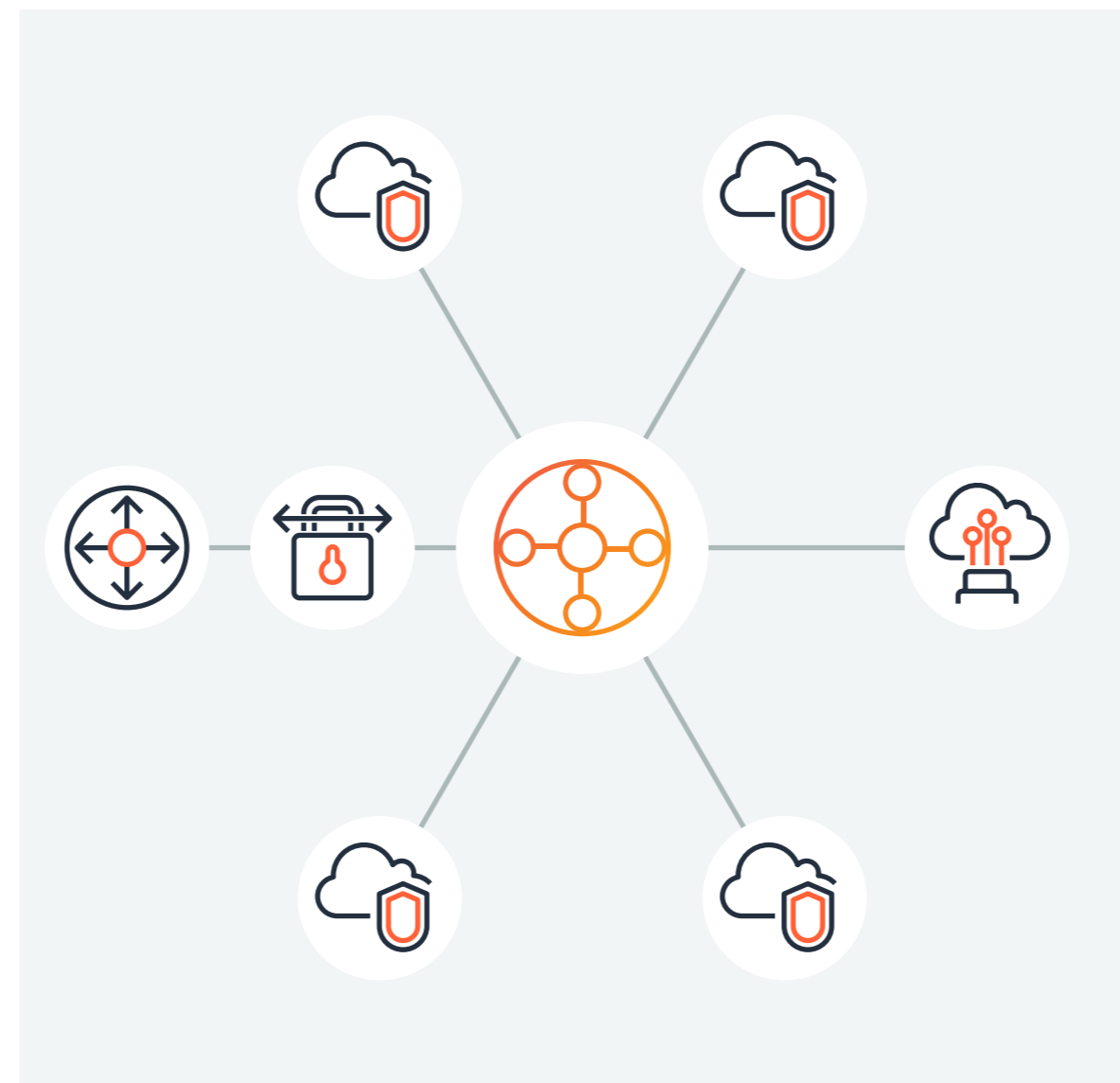


# Achieve Higher Performance with the Simplicity of a Single Gateway

Without AWS Transit Gateway



With AWS Transit Gateway



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“With Transit Gateway, we are now able to connect our VPCs and centralize our network management, eliminating the management overhead of VPC peering while still being able to scale our network in ways we didn’t think was possible.”

—Robert A. Bradway, CEO, Amgen



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With AWS Transit Gateway to easily connect thousands of Amazon VPCs, AWS accounts, and on-premises networks, you can achieve global scalability and improve your network performance like never before.

**Learn more** about AWS Transit Gateway

[aws.amazon.com/transit-gateway/](https://aws.amazon.com/transit-gateway/)

