



# AWS Transit Gateway on Cisco Cloud APIC

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Beginning in Cisco Cloud Application Policy Infrastructure Controller (APIC) Release 5.0(1), you can use Amazon Web Services (AWS) Transit Gateway with Cisco Cloud APIC. AWS Transit Gateway is a service that functions as an internal router to automate connectivity between virtual private clouds (VPCs). The VPCs can be in different AWS regions in a cloud site.

Virtual private clouds (VPC) can't communicate with each other without additional configuration. Without using AWS Transit Gateway, you can configure inter-VPC communication by configuring VPC peering. Alternatively, you can use VPN tunnels and Cisco Cloud Services Routers (CSRs).

However, when you use AWS Transit Gateway with Cisco Cloud APIC, you connect VPCs or VRFs in the cloud site simply by associating the VPCs or VRFs to the same AWS Transit Gateways.

Using AWS Transit Gateway with Cisco Cloud APIC provides several benefits: higher performance, simplicity, scalability and potential lower cost.



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**Note** You can attach a Cisco Cloud APIC user tenant's VPC (CtxProfile) to an AWS Transit Gateway (hub network) only if you have administrator privileges and the user is part of security domain "all". Without such access, you cannot attach the user tenant's VPC to an AWS Transit Gateway.

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For detailed information about using AWS Transit Gateway with Cisco Cloud APIC, see [Increasing Bandwidth Between VPCs by Using AWS Transit Gateway](#).

