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THE TELCO GLOBAL API ALLIANCE

MultiPoint VPN API

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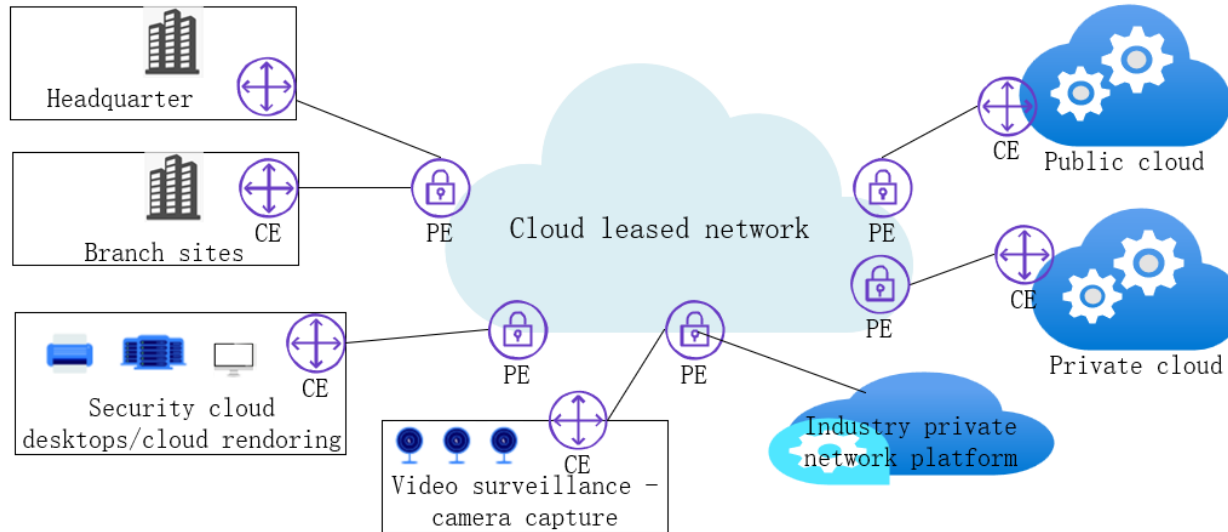
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Background-

what drives MultiPoint VPN API



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API benefit

- Establish Multipoint VPN across customer touchpoints, or between customer & operator with Guaranteed large bandwidth, SLA
- Flexible on-demand access modes
- Private, nonpublic, better than Internet access (Low latency, Guaranteed SLA, security)
- Easy use/invoke & Fast service provisioning

New business scenarios driven:

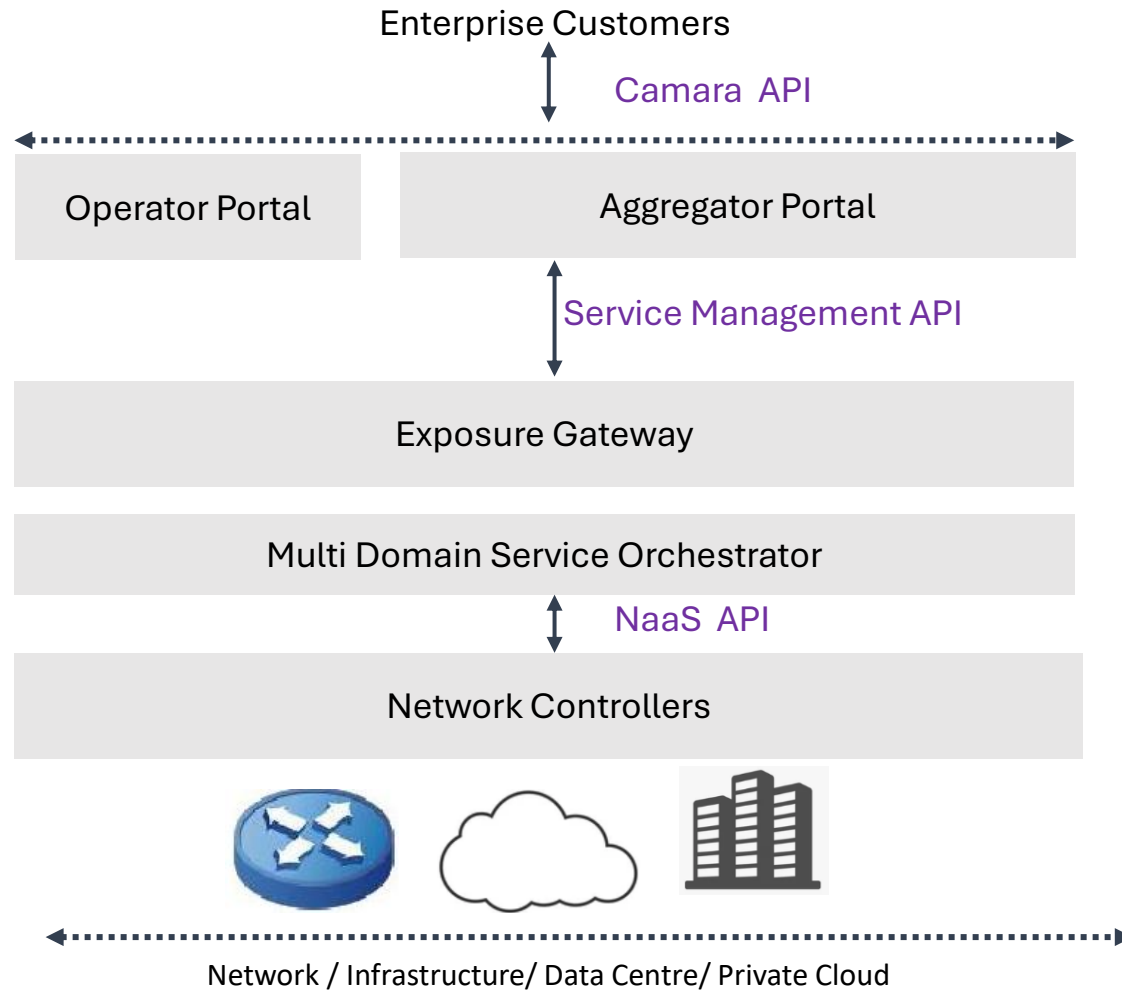
The MultiPoint VPN API provides on-demand connectivity across various networks with guaranteed bandwidth and flexible SLAs. It supports multipoint connections across Enterprise customer touch points (data centers, cloud), or between customer & Operator, within the operator/customer network realm. The API ensures reliable and consistent data transfer rates.

This API is proposed for enterprise customers and use cases exist across Health Care, Legal, Media/Entertainment etc domain.

MultiPoint VPN API



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● Overview

The MultiPoint VPN API transforms the process of ordering private or customized network services across multiple touchpoints. It enables users to create and configure on-demand edge connectivity services with guaranteed SLA and bandwidth with just one click, eliminating the need for manual orders through phone calls or customer managers. When the API is called with specific network SLA requirements, telecom operators can create non-public cloud leased network services by orchestrating IP VPN connections across various networks, including data centers, private clouds, operator networks, and satellite links.

Designed to provide multi-site, multi-cloud network connections, the MultiPoint VPN API offers virtual private network services tailored for industries and applications such as education, medical, Internet of Things (IoT), cloud desktop, cloud conference, and cloud recording. By leveraging this API, users can achieve seamless and reliable connectivity across diverse network environments. The API ensures consistent and high-quality data transfer rates, meeting the specific needs of different sectors. This innovative solution enhances operational efficiency and flexibility, making it a valuable tool for modern network demands.

Additionally, the API offers the flexibility to establish quick, private, and reliable connectivity between site-to-site, site-to-cloud, or cloud-to-cloud touchpoints.

MultiPoint API family



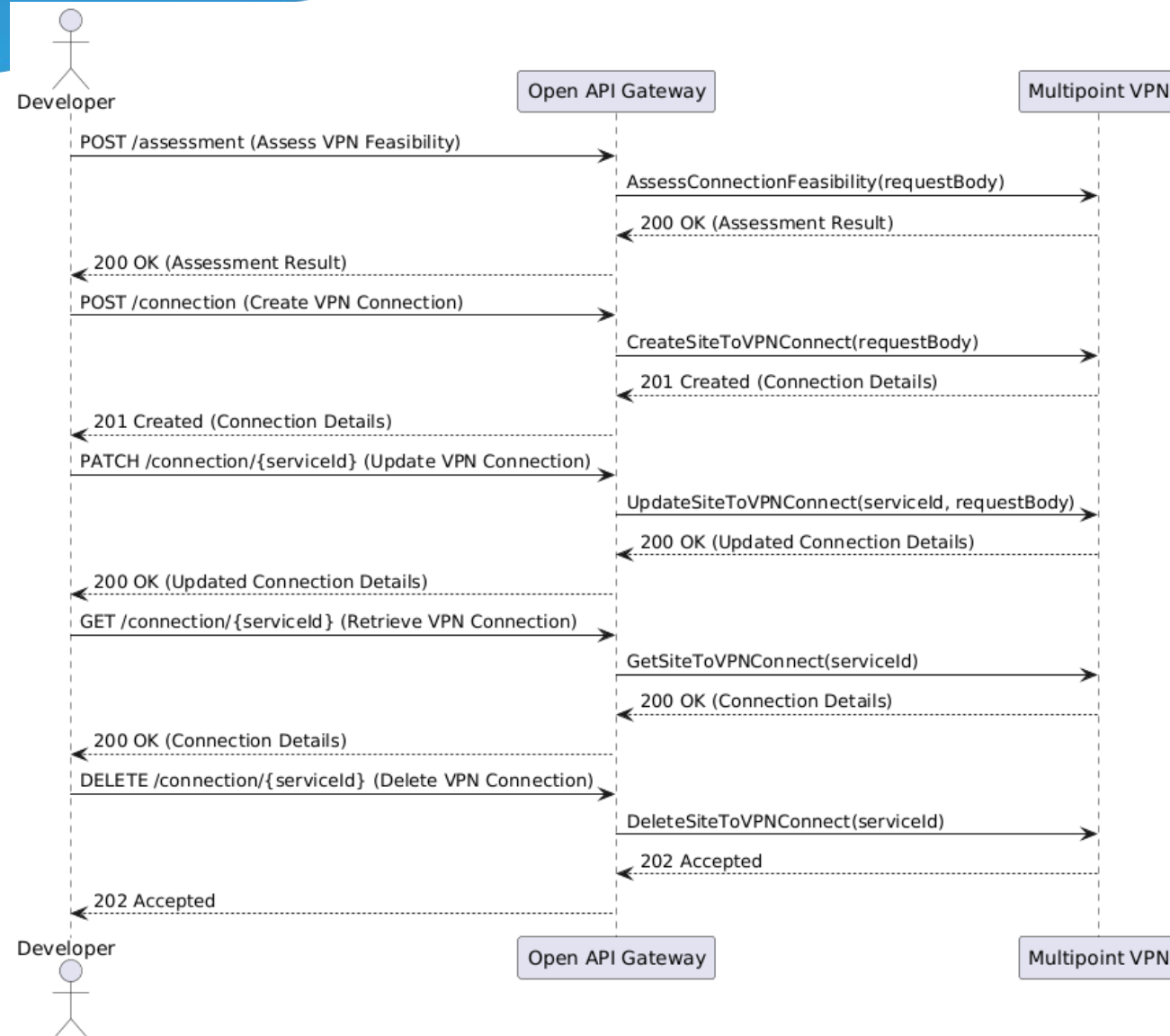
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API name	API function	Method
MultiPoint VPN Assessment	a. For customer's service booking with specific access node and SLA requirements , check the network availability level, and corresponding fees	Post
MultiPoint VPN Creation	Create MultiPoint VPN service, providing: a. network availability level(A-low, AA-medium , AAA-high) b. bandwidth, duration	Post
MultiPoint VPN modification	Modify/ adjust MultiPoint VPN service bandwidth	Patch
MultiPoint VPN query	Query MultiPoint VPN service information	Get
MultiPoint VPN deletion	Delete MultiPoint VPN service information	Delete

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User story



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item	Details
Summary	As an application developer or industry customer, I want to request (using my application server/backend service) network connection service between multiple sites / site & Cloud from existing Communication Service Provider (CSP) with guaranteed Bandwidth & SLA , so that I can ensure better and more reliable quality for our end users at any required time with proper cost.
Roles, Actors and Scope	Roles: Enterprise Customer Actors: Application service providers, industry customer, application developers. Scope: Service assessment(check network availability level, and corresponding fees) - Create/Remove/Modify/Query service instance (MultiPoint VPN session resource)
Activities/Steps	Starts when: The customer application server makes a POST request(including required service area, access node and end node, bandwidth requirements, SLA etc) to the MultiPoint VPN API creating a new MultiPoint VPN session resource. Ends when: The customer application server makes a DELETE request to the MultiPoint VPN service deletion API , or the MultiPoint VPN service deletion session resource deletion was triggered automatically either because the customer specified duration has expired or the default expiration limit set by the MultiPoint VPN service provider has reached.

MultiPoint API Deliverables Plan



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<i>Deliverable status</i>	<i>Required/Optional (R/O)</i>	<i>Current</i>
API Specs	R	In Progress
API documentation	R	TBD
User stories	R	Available
Test cases	R	TBD
Implementation	O	TBD