



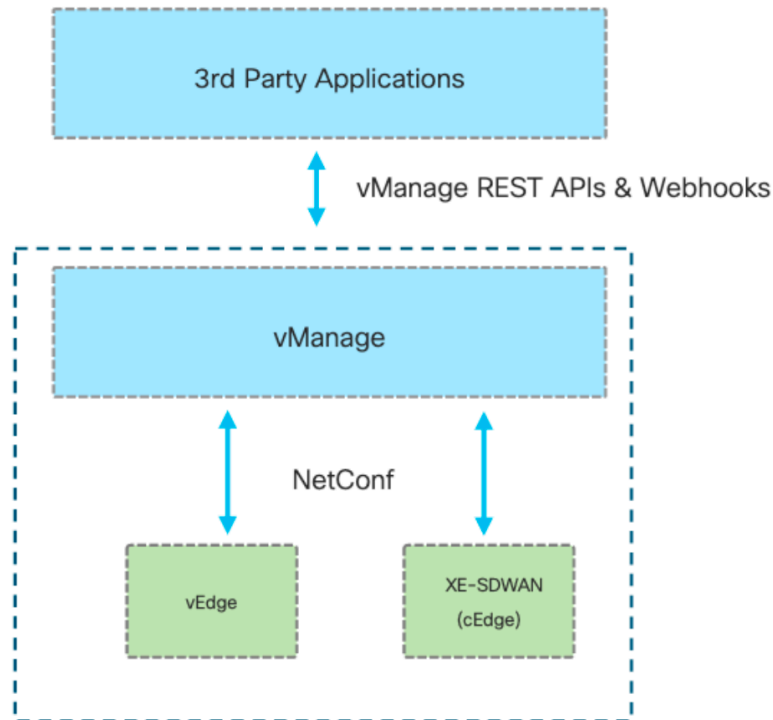
# SD-WAN API's and Programmability

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# vManage REST APIs

- vManage uses REST architecture which is stateless, client-server cacheable communication protocol
- vManage exposes REST APIs and webhooks to integrated with 3<sup>rd</sup> party systems
- vManage uses NetConf for configuring and managing edge devices



# vManage – Using REST APIs

▲ Not Secure | local-sdwan-lab.com/apidocs/ ☆



<b>Capacity</b>	Show/Hide	List Operations	Expand Operations	Raw
<b>Utility - Logging</b>	Show/Hide	List Operations	Expand Operations	Raw
<b>Alarms - Notifications</b>	Show/Hide	List Operations	Expand Operations	Raw
<b>Colocation-Service Chain</b>	Show/Hide	List Operations	Expand Operations	Raw
<b>Diagnostics</b>	Show/Hide	List Operations	Expand Operations	Raw
<b>Resource Pool</b>	Show/Hide	List Operations	Expand Operations	Raw
<b>Configuration Database Cluster management</b>	Show/Hide	List Operations	Expand Operations	Raw
<b>Monitoring-ColocationCluster</b>	Show/Hide	List Operations	Expand Operations	Raw
<b>Colocation-Attach</b>	Show/Hide	List Operations	Expand Operations	Raw
<b>Administration - Tenant</b>	Show/Hide	List Operations	Expand Operations	Raw

API documentation built in – <https://<vmanage-ip:port>/apidocs>  
Test API calls can be tried within the swagger UI

# SD-WAN URI Structure



http:// or https://

- Protocol over which data is sent between client and server

## Server or Host

- Resolves to the IP and port to which to connect

## Resource

- The location of the data or object of interest

## Parameters

- Details to scope, filter, or clarify a request. Often optional.



Let's get coding aka 'Demo'

# Code and Sandbox

[http://cs.co/sdwan\\_sandbox](http://cs.co/sdwan_sandbox)

[http://cs.co/sdwan\\_postman](http://cs.co/sdwan_postman)

[http://cs.co/sdwan\\_python](http://cs.co/sdwan_python)

