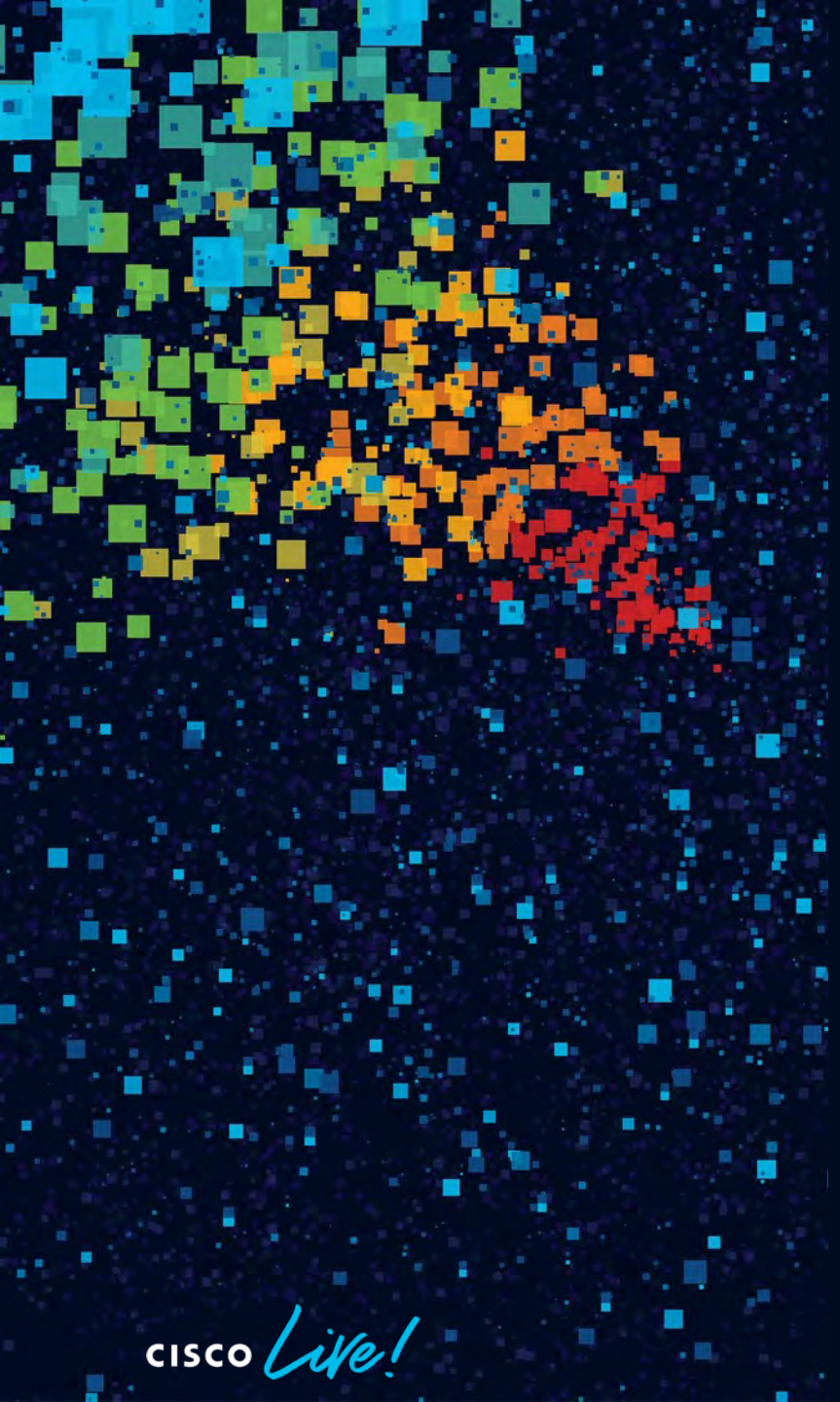
Fun with SD-WAN APIs

Sai Suchandan, TME
@saisuchandan



Agenda

- vManage Aggregation APIs
- Let's query vManage!

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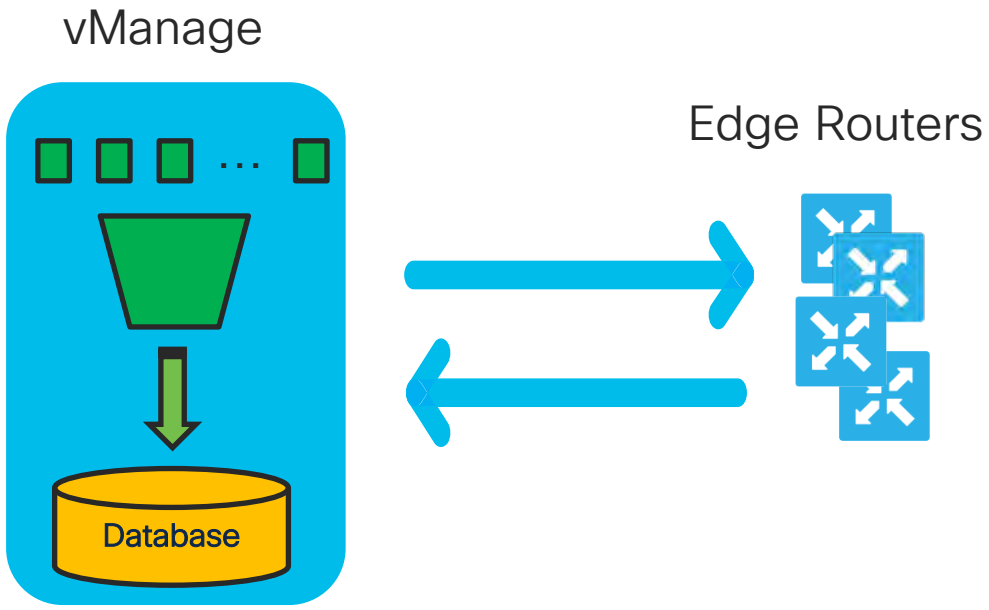
vManage Aggregation APIs

- Based on configured collection interval vManage collects statistics periodically from edge routers and stores stats in database

- Using Aggregation APIs we can –
  - Build queries to retrieve selected statistics.
  - Run aggregation on multiple records in database.



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Let’s query vManage!

Example to query Application Aware routing statistics i.e. average Latency/Loss/Jitter

Step - 1:

Find out supported Query fields using the API end point

https://<vmanage-ip>/dataservice/statistics/approute/fields

Step - 2:

Build Aggregation API query and run POST request

https://<vmanage-ip>/dataservice/statistics/approute/fec/aggregation

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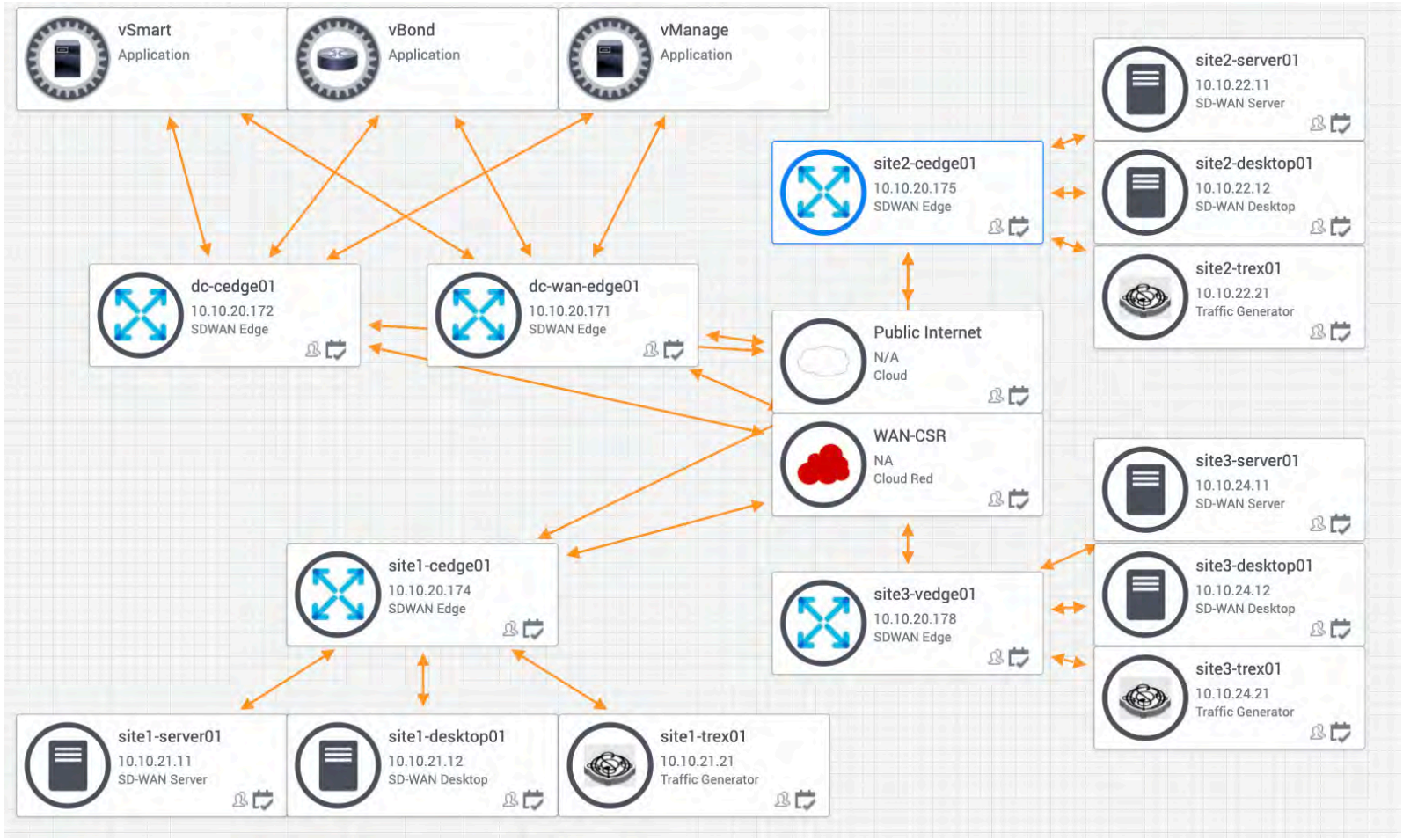
Let’s get coding!

Cisco DevNet SD-WAN Sandbox



https://devnetsandbox.cisco.com/

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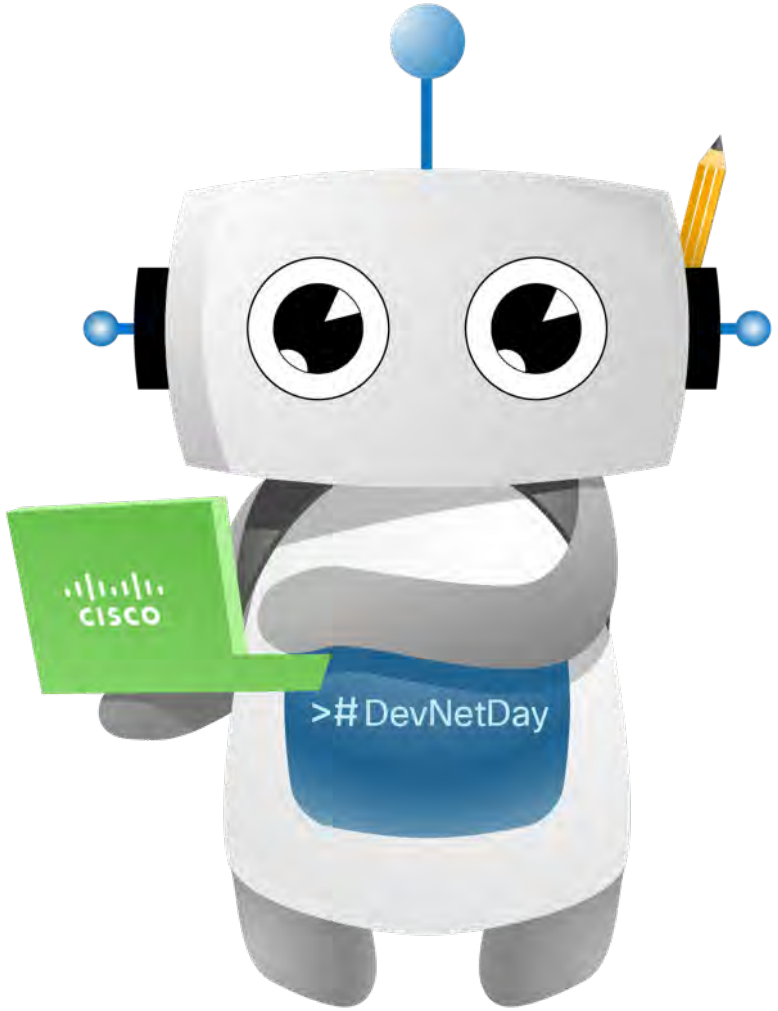
Explore More

- https://github.com/CiscoDevNet/sdwan-application-route-policy
- http://cs.co/sdwan-apis-lab
- https://github.com/suchandanreddy/sdwan-apis
- https://github.com/suchandanreddy/sdwan-umbrella-policy/
- https://github.com/suchandanreddy/sdwan-webhooks
- https://github.com/suchandanreddy/sdwan-integration-with-influxdb-grafana
- https://github.com/CiscoDevNet/sdwan-devops
- https://github.com/CiscoDevNet/python-viptela
- https://developer.cisco.com/sdwan/
- https://developer.cisco.com/learning/modules/sd-wan



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Got more questions? Stay in touch!

Sai Suchandan

msuchand@cisco.com

@saisuchandan

https://github.com/suchandanreddy

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