Use Case

NetOps Custom Apps

Demo script

Version 1.0

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Table of Contents

Use Case 4

1. Introduction 4
2. Goal(s) 4
3. Demo Script 4

Use Case

1. Introduction

NetOps Portal allows you to deploy custom Apps. This feature provides flexibility of OpenAPI to gather and present data in custom ways. Custom Apps can be part of dashboards or context pages in NetOps Portal.

OpenAPI apps use the flexibility of OpenAPI queries to deliver and present data in a highly customizable way. OpenAPI apps allow custom content to be served to OpenAPI app views on dashboards and context pages. You can build your own apps or you can select from various available apps. You can then deploy and display these apps in NetOps Portal.

https://github.com/CA-PM/OpenAPI-Grafana

https://github.com/CA-PM/Google-WeatherMap

Additional Custom Apps:
https://github.com/CA-PM
NOTE: This custom apps are not supported by Broadcom support.

Additional information:
https://techdocs.broadcom.com/us/en/ca-enterprise-software/it-operations-management/dx-netops/22-2/Performance-Monitoring-with-DX-Performance-Management/apis/openapi/openapi-apps.html

2. Goal(s)

This use case highlights the capabilities of DX NetOps for Network architects and tools admin export data to a 3rd party system such as Grafana using various methods such as an OpenAPI.

It also showcases the ability to build GeoMaps from operational data extracted via OpenAPI.

3. Demo Script

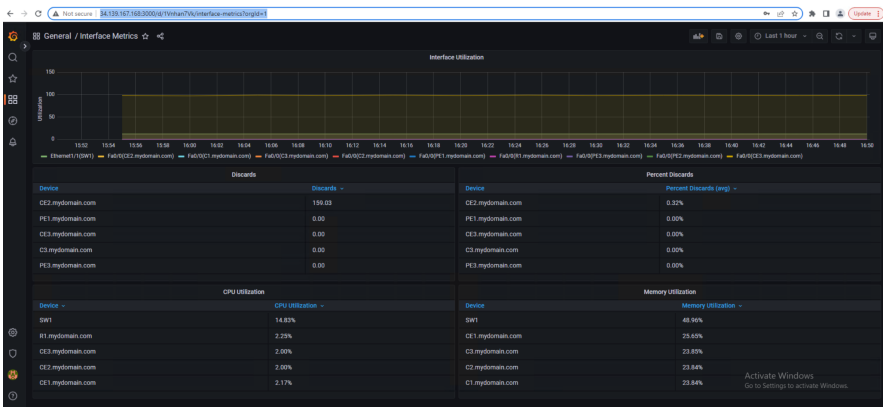
Login to Grafana instance connected to NetOps OpenAPI as data source http://oanonetopsbi.forwardinc.biz:3000/d/1Vnhan7Vk/interface-metrics?orgId=1 Use your Open Access credentials to login (e.g. name.surname)	

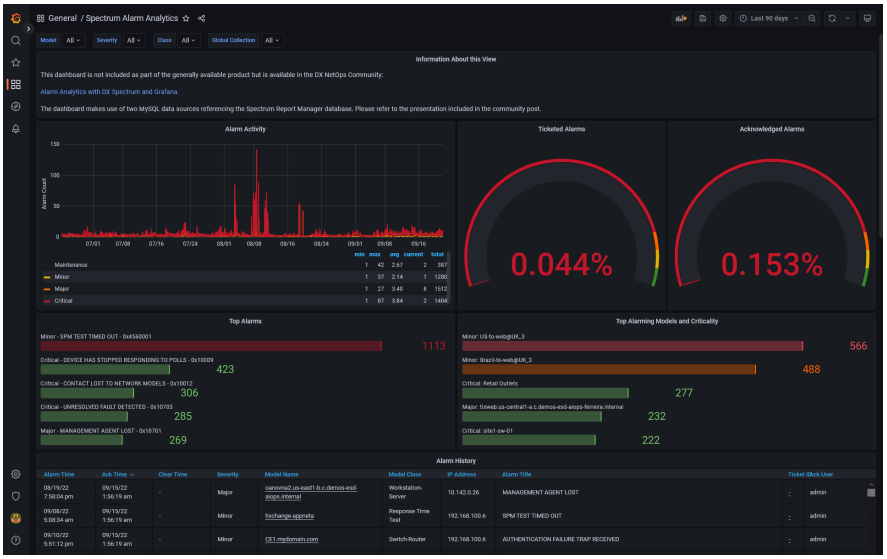
Explain the value of OpenAPI to leverage NetOps Insights into external or 3rd party applications like Grafana (also valid for Kafka…).

These Versatile Export and Custom Apps are a great asset to consume NetOps Insights via API in other reporting solutions or to connect NetOps data with external solutions.

Open Apps are flexible, customizable.

In this Use Case we are showing Network device key metrics in Grafana (Discards, CPU and Mem Utilisation) by querying NetOps OpenAPI





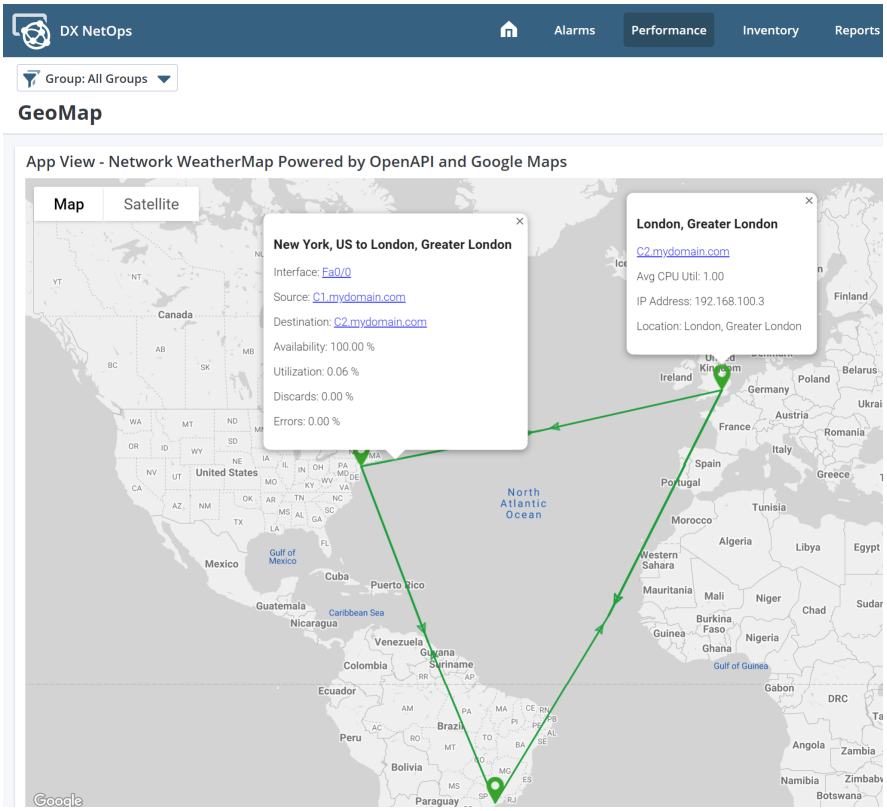
Alternatively, log to NetOps Portal and showcase the GeoMap dashboard:
http://netops.forwardinc.biz:8181/pc/desktop/page?mn=3&globalsearchtype=names&pg=2000306&globalsearchtext=&GroupPathIDs=1&GroupID=1&sid=&parentid=2000015

Note this is not a Layer 2 Topology but just a geolocation view of devices on a map with connections representing the logical circuits between sites.

Sites and Connections are both colored and sized dynamically based on metric and attribute values/thresholds.

Explain the value of leveraging data exposed by OpenAPI to build custom Apps and build tailored views for your Operational Team.

Flexibility and extensibility are key value drivers here.



Use Cases:
- OpenAPI Querybuilder to extract custom data from NetOps to external reporting systems.
- GitHub marketplace for OpenAPI apps (Geomap, IF busy time ...etc.)
- KAFKA export to external data lakes

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