

CA Performance Management Tech Series

OpenAPI WeatherMap – Powered by Google Maps



Weather-map Case Study

- What is a Weather-map?
 - A Geo-location based view which shows high-level Devices on a Map with connections representing the logical circuit(s) between sites
 - Sites and Connections are both colored and sized dynamically based on metric and attribute values/threshold
- What a Weather-map is NOT?
 - A Layer-2 Topology view which shows intra-site device/interface to device/interface connections



Pre-requisites:

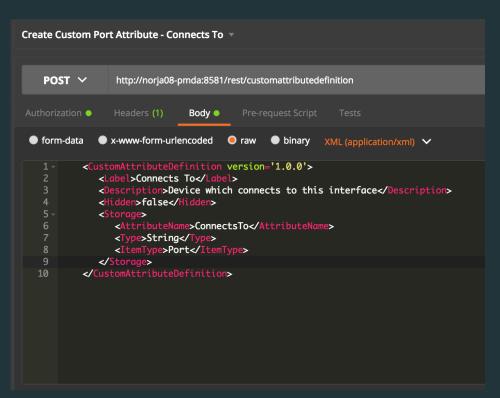
- CAPM 3.1 (requires custom attributes & DA proxy & PC App Deployment features)
- OpenAPI Weather-map Installed
 - GitHub: https://github.com/CA-PM/Google-WeatherMap
- OpenAPI Device Geo-location attributes defined
 - GitHub: https://github.com/CA-PM/DeviceGeoTag
- OpenAPI Interface connection information
 - GitHub: https://github.com/CA-PM/Interface-Connections



Weather-map Case Study – Configuration Steps

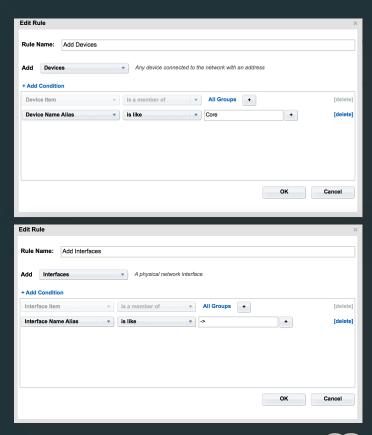
Step 1. Create custom attribute to define our device to device connections

- POST to Data Aggregator
- ItemType: Port
- Type: String
- Name: ConnectsTo





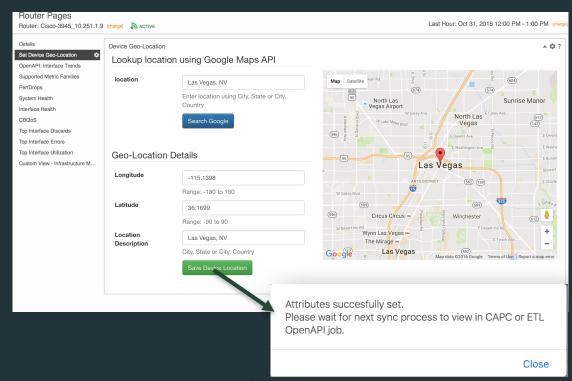
Step 2. Create group of Weather-map devices and interfaces





Step 3. For each device to be placed on map

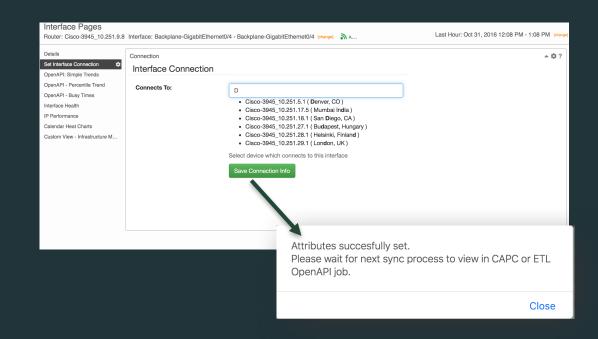
- Set Geo-location information in Context Page
- Set Alias to '<Site XYZ> Core Router'





Step 4. For each device to be placed on map

- Set Connection information in Interface Context Page
 - ConnectsTo <device>
- Set Alias to 'Site A -> Site B'

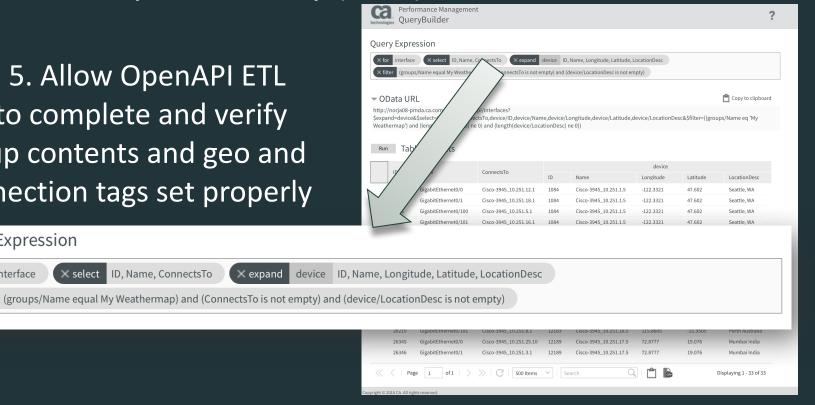




Step 5. Allow OpenAPI ETL Job to complete and verify group contents and geo and connection tags set properly

× select ID, Name, ConnectsTo

× expand

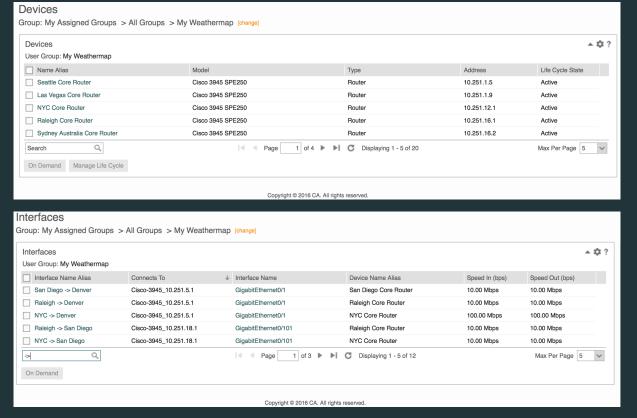




Query Expression

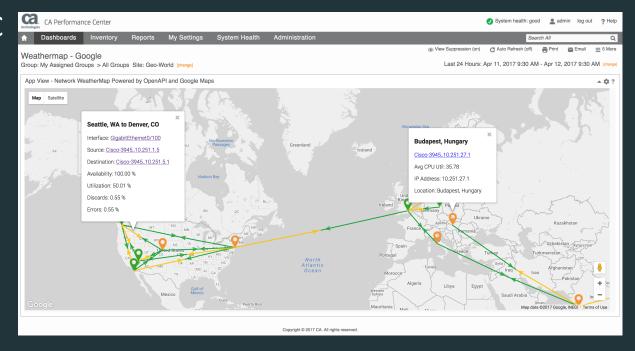
interface

Step 6. Verify CAPC Group contents and Alias values via Inventory views





Step 7. Launch CAPC
Weather-map App
Dashboard and
select group





Other OpenAPI Apps

 Visit our GitHub Repository for other great Apps which can easily be deployed and customized

https://github.com/CA-PM

