



# Infoshare: Global Platform for labs (GP4L)

GP4L network weathermap using netbox and mapgl

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GN5-2 - WP6 - GP4L Technical Leader

Infoshare/Virtual

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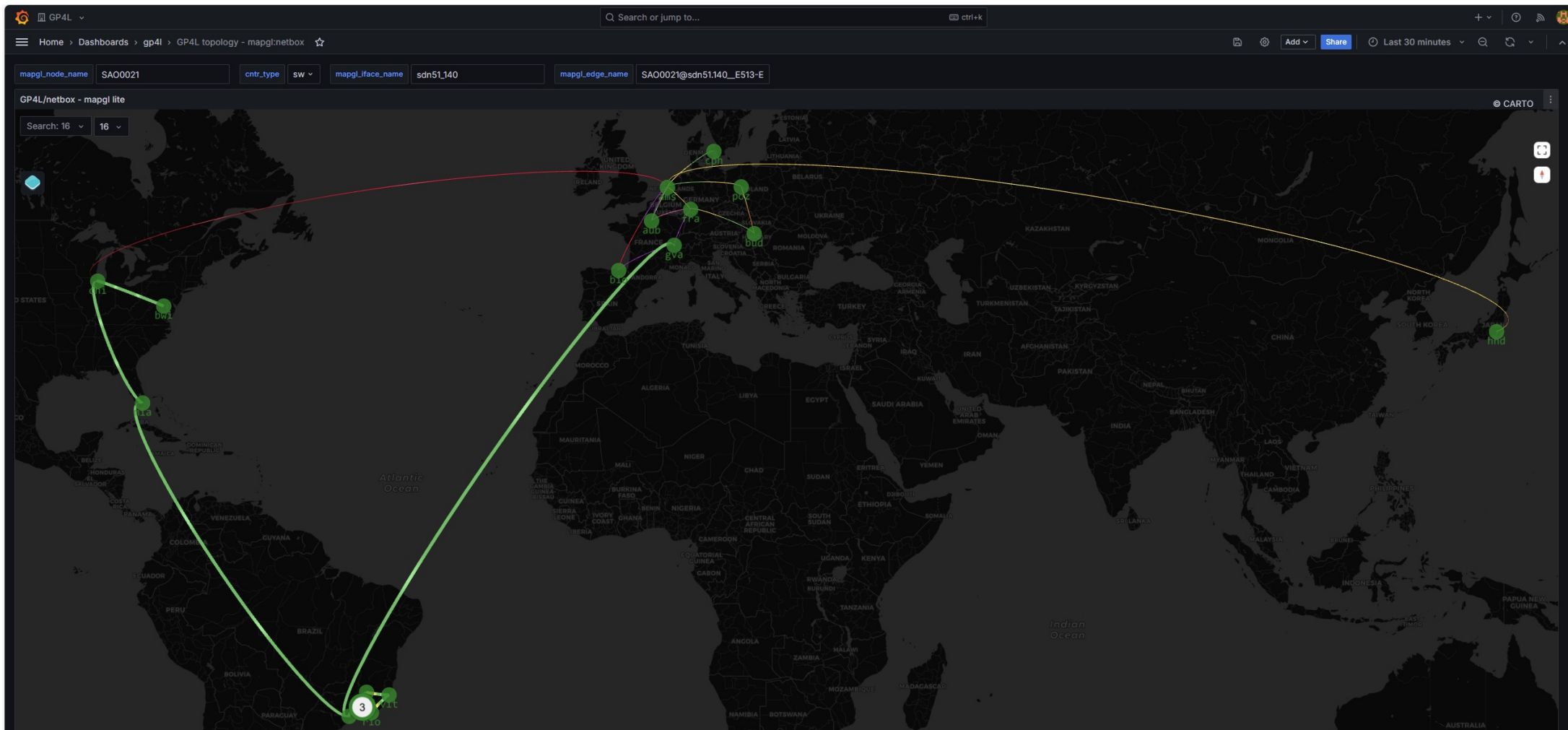
Public (PU)

GN5-2

## Agenda

- GP4L weathermap
- Inventory Source of Truth
- Data Network Export interface
- Weathermap generation workflow
- Grafana weathermap plugins

# GP4L weathermap (Q1 2025)



## Inventory Source of Truth

### Resources inventory

- Netbox
- Nautobot
- Device 42
- <Your resource inventory tools>

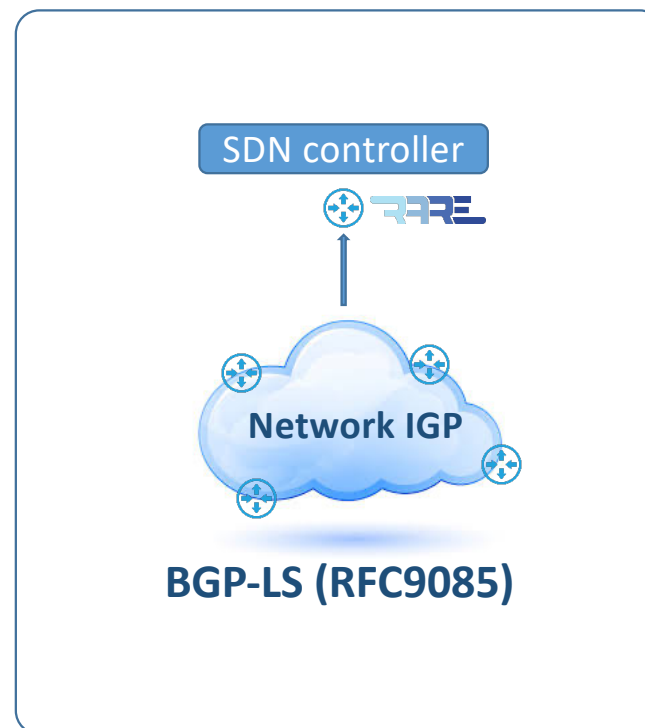
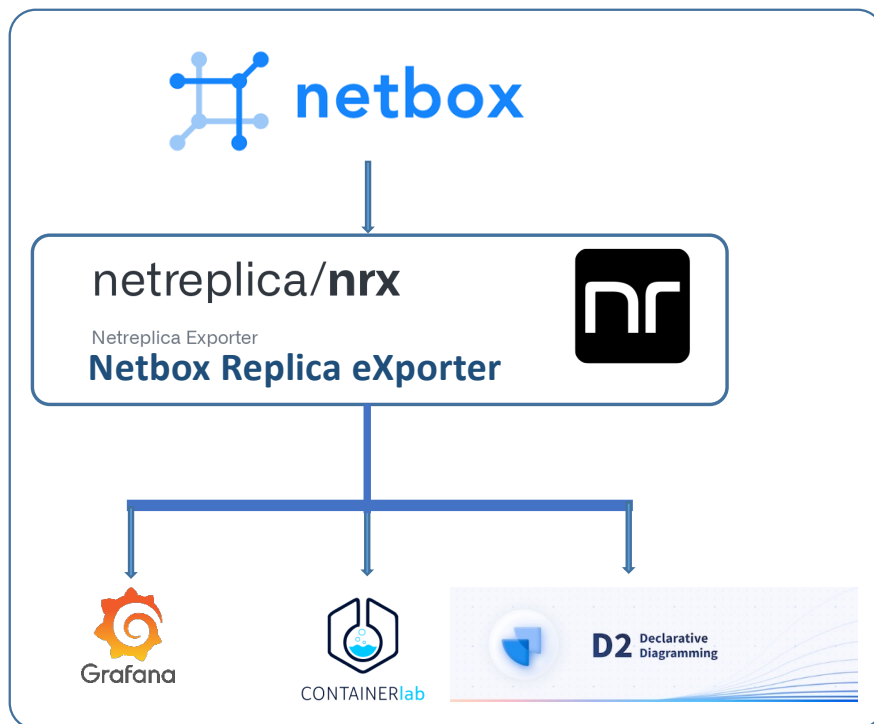


### Service inventory

- Maat
- Netbox
- <Your existing service inventory tools>



## netbox, NRX & BGP-LS

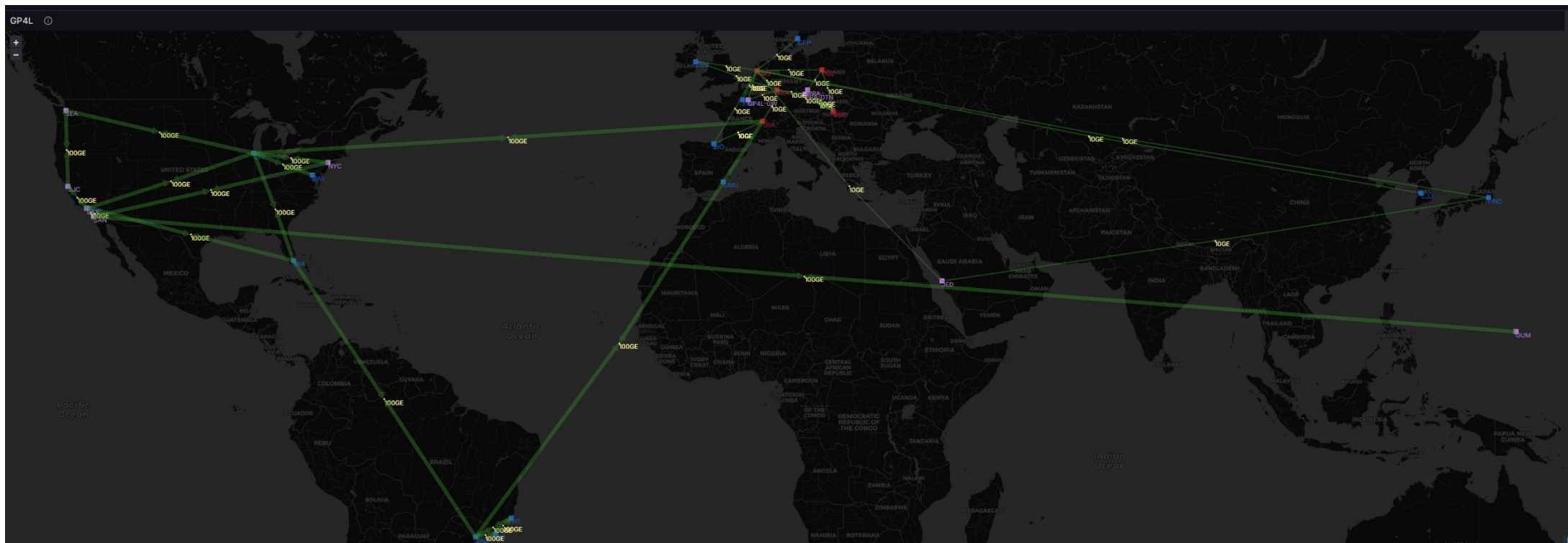


## Weathermap generation workflow

- Source of Truth
  - Network instance can be distinguished by netbox role
  - Netbox tags are your friends
- Data export interface
  - On a per role basis
  - On a per tag basis
  - Output different data model

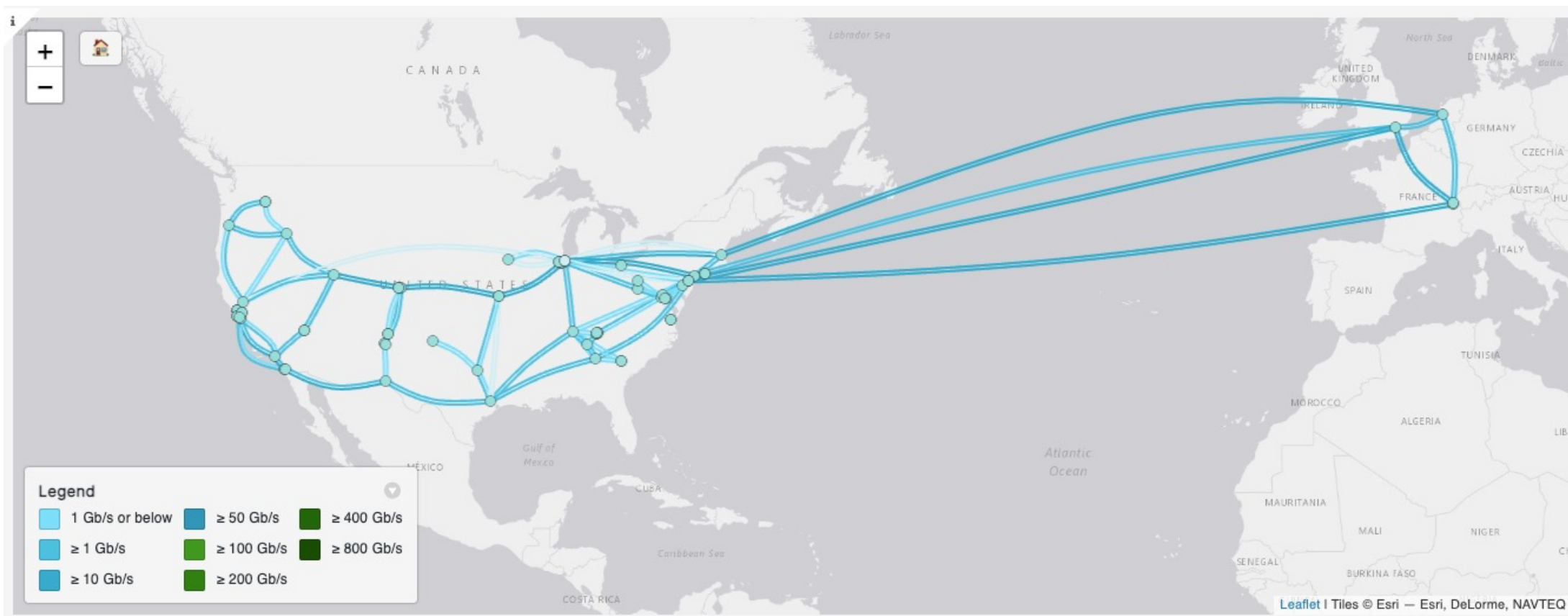
# Weathermap plugins

## Grafana GeoMap Panel



## Weathermap plugins

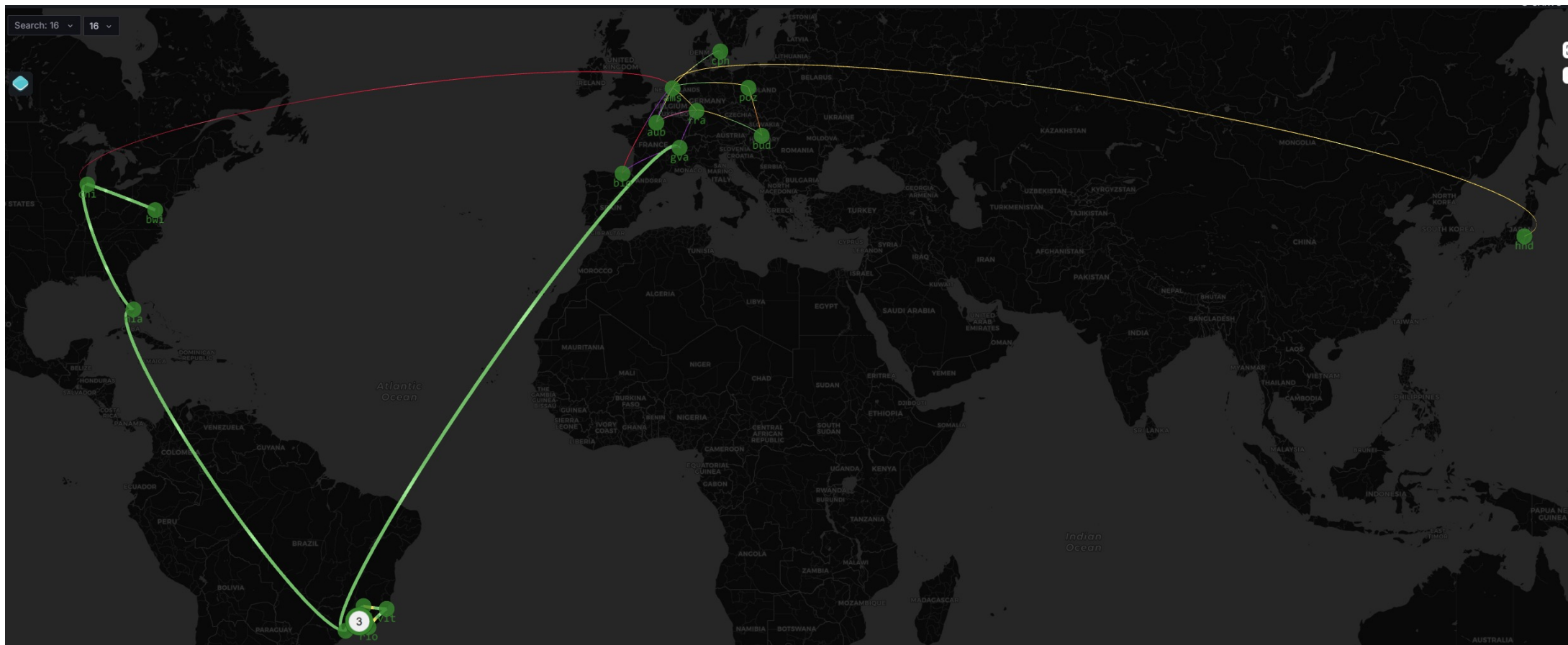
### Esnet Network Map Panel





# Weathermap plugins

## Mapgl Network Map Panel





**Thank You**

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