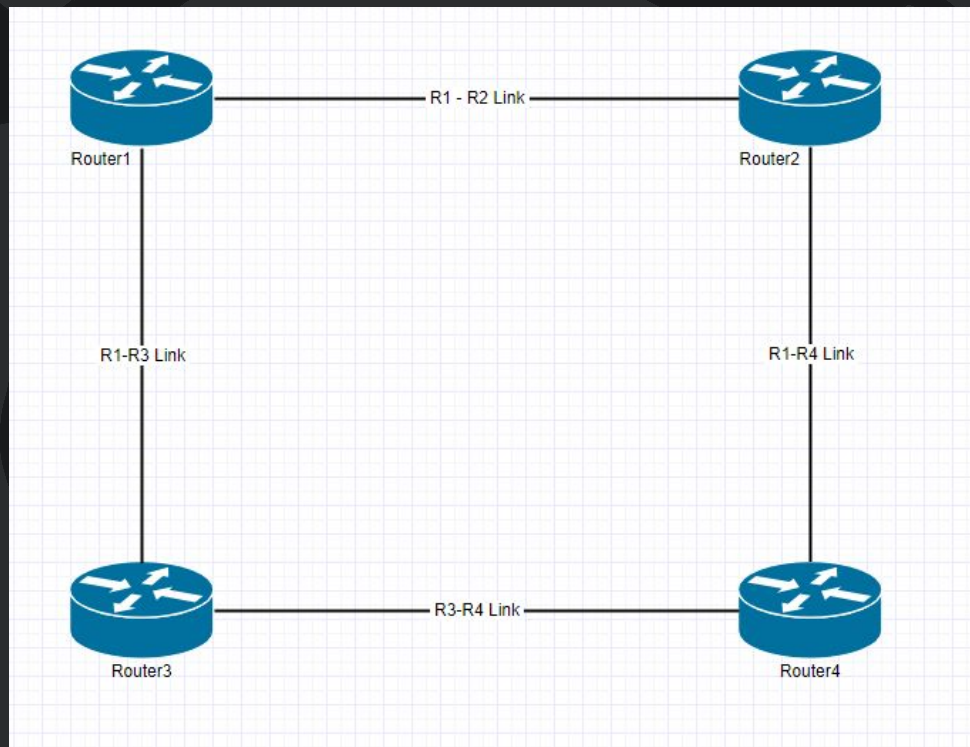# iNOG Hackathon

Dynamic GMaps Weathermap
Creation from collected network state

Project participants

Rodrigo Magno
Christian Bachert
Ondrej Velicka
Joao Cancelli
Loke Berne

From a set of devices and via NAPALM
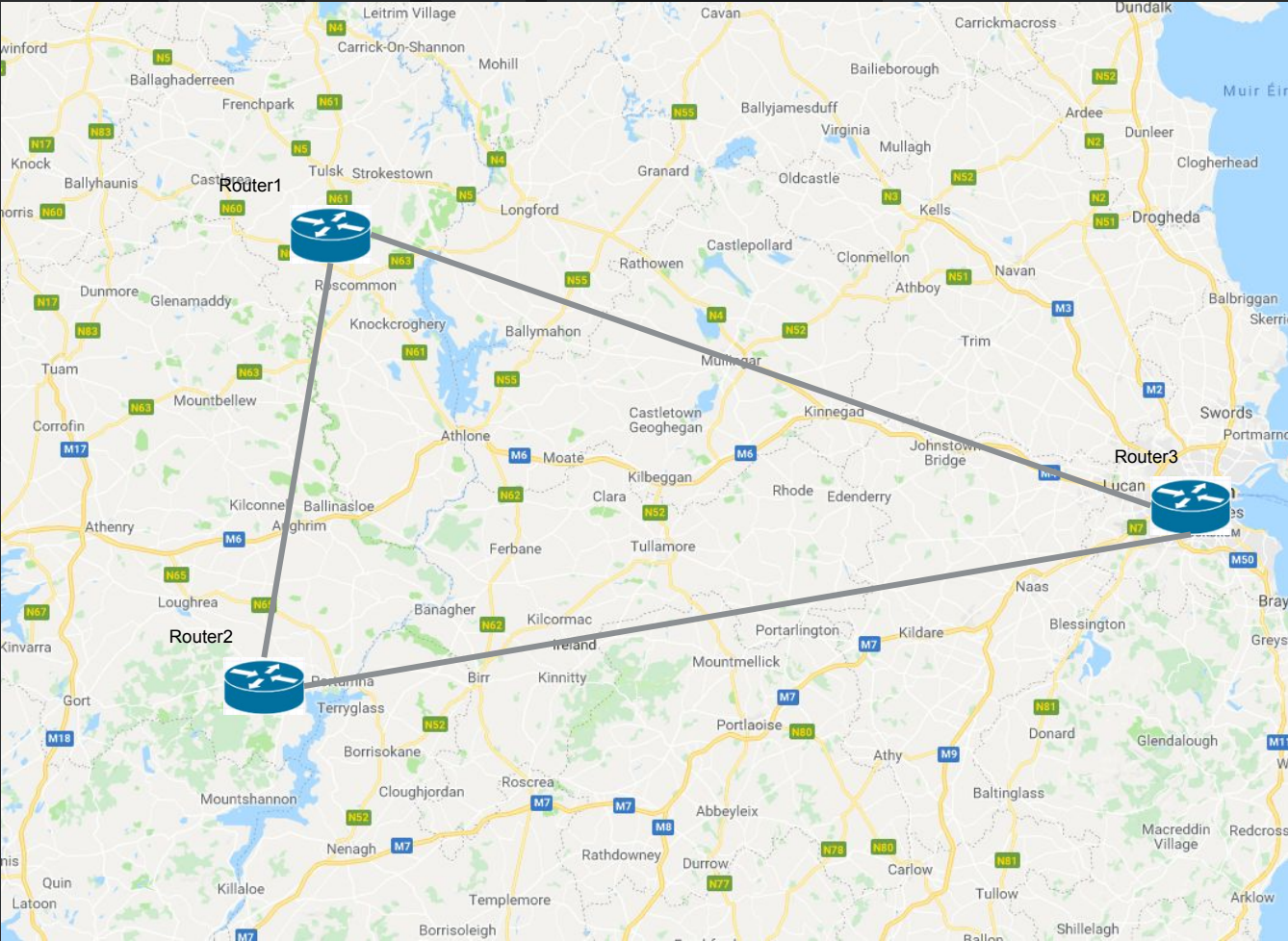calls derive connectivity state

device.get_facts()
device.get_lldp()
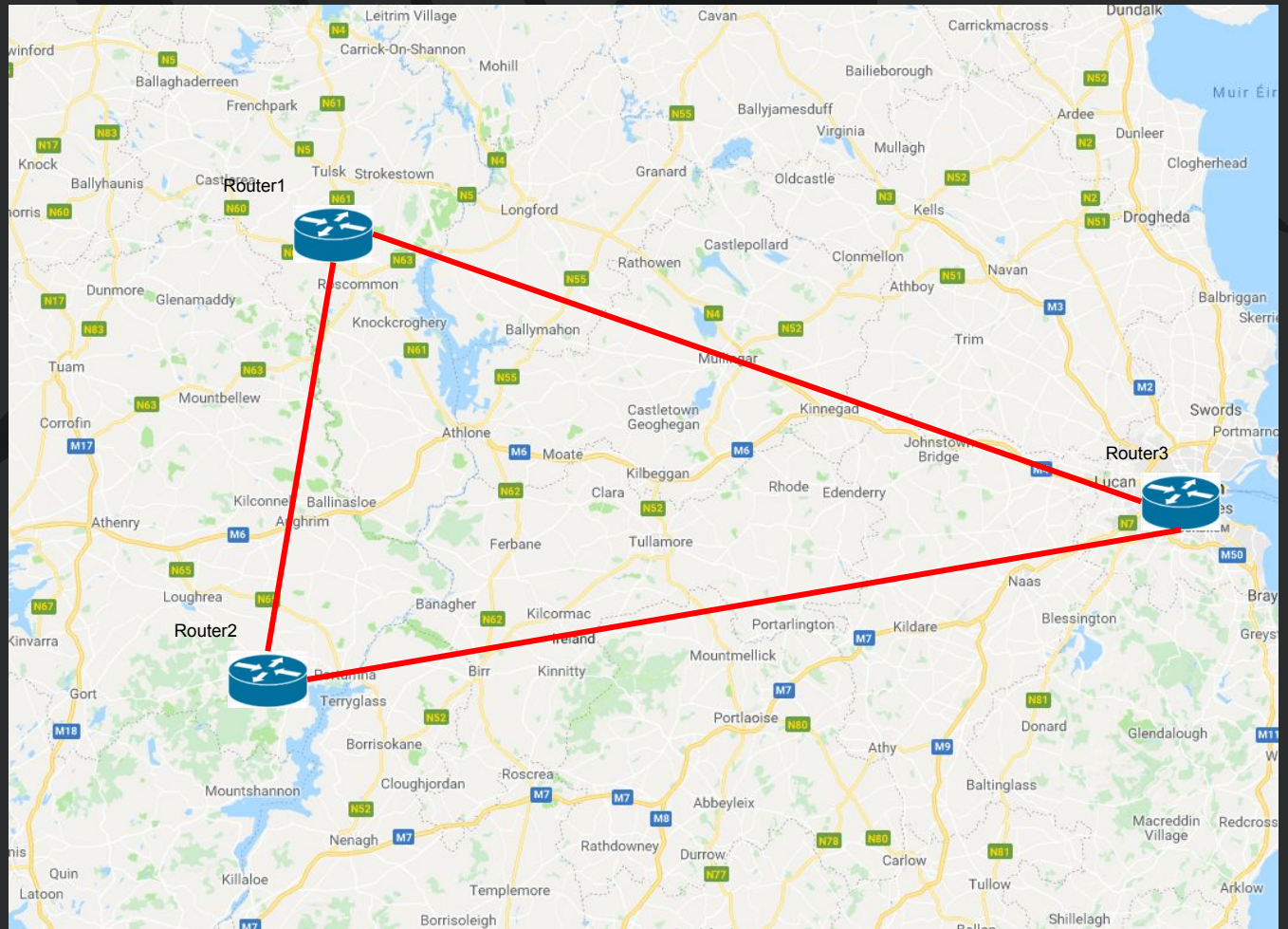device.get_snmp_information()

Json Object:

```
{
    "127.0.0.2":
        [{"lldp_neighbors": [{"nbrHostname": "eos1", "nbrIf": "Ethernet2", "localIf": "Ethernet2"},
{"nbrHostname": "eos1", "nbrIf": "Ethernet1", "localIf": "Ethernet1"}],
        "snmp_location": "52.378253, 4.900729"}],
    "127.0.0.1":
        [{"lldp_neighbors": [{"nbrHostname": "eos2", "nbrIf": "Ethernet2", "localIf": "Ethernet2"},
{"nbrHostname": "eos2", "nbrIf": "Ethernet1", "localIf": "Ethernet1"}],
        "snmp_location": "53.341561,-6.241210"}]
}
```

Result

Result

Demo Time

Lessons Learned

Maybe use previous knowledge and experience

Lessons learned
Rodrigo Magno : javascript, gmaps api
Christian Bachert: NAPALM
Ondrej Velicka: NAPALM
Joao Cancelli: ??
Loke Berne: ??