

# WFO (GRNET status)

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# Agenda

- What services do we offer
- How we offer services
- WFO
- WFO progress
- Conclusions

# What services do we offer

- L2VPN
- VPLS
- L3VPN
- Internet feed (eBGP + L2VPN)
- Datacenter Resources (Prefix + L3\_GW + VLAN)

# How do we offer services - Resource Allocation

Resource Allocation -> Netbox

Feature: “Netbox custom-scripts”

Examples:

- Assign eBGP prefix/IP
- Provision L2VPN
- Assign DC prefix/Vlan

Scripts > Assign\_dc\_prefixes

## Assign Dc Prefix

Assign Dc Prefix

Script Source Jobs 26

**Script Data**

**Allocation type \*** Dual Stack    
Which type of allocation do you want?

**Mask \*** /26    
prefix mask

**Prefix description \*** dc3-rd0  
prefix description

**Prefix role \*** 2 - Hosted Lans    
Prefix Role

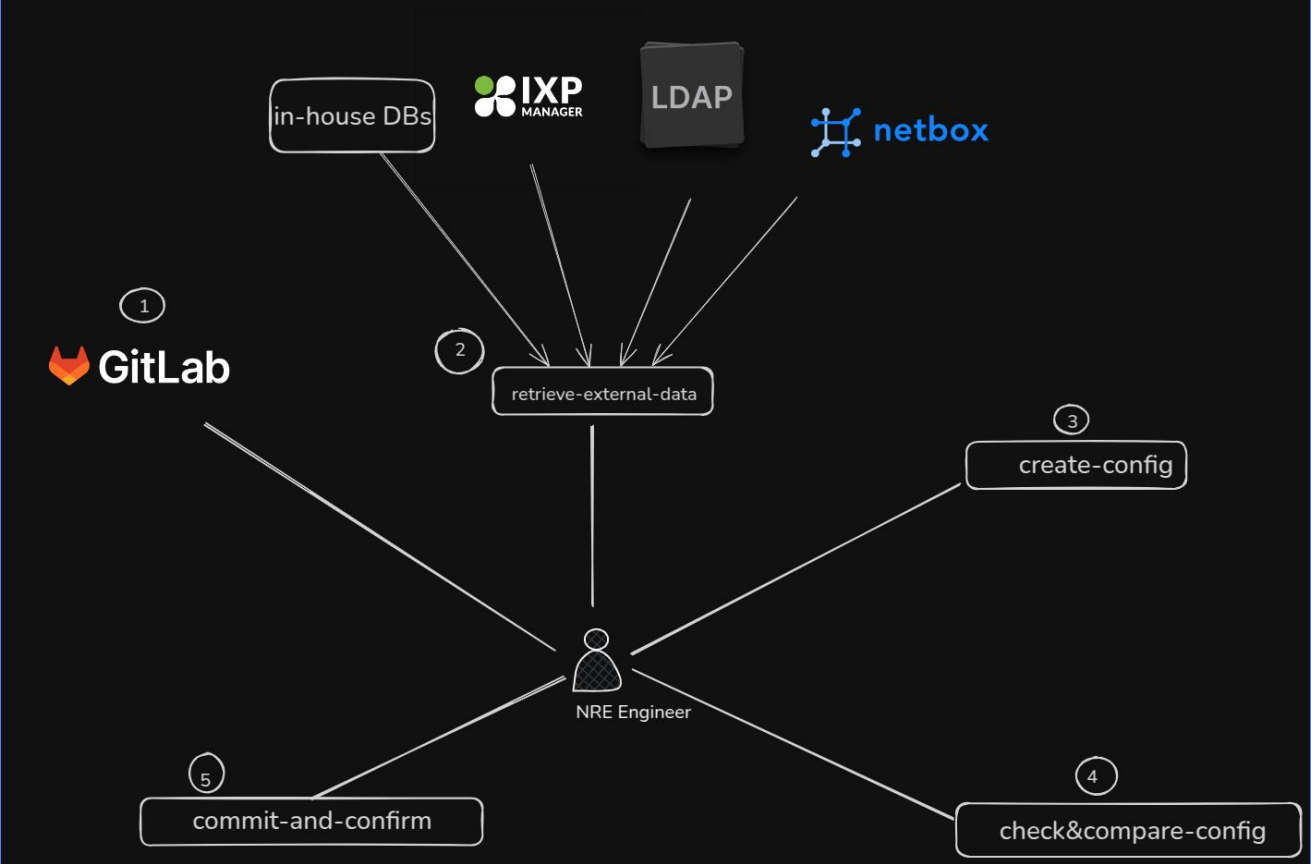
**Site \*** 2 - knossos    
site

**Fanout device** Select Fanout device

**Tenant \*** UPATRAS    
Tenant

**Config group** CG\_KNOSSOS\_APPSTACK-DB-KNOSSOS CG\_KNOSSOS\_APPSTACK-PROD-DBS   
Select the apply\_group(s) that the VLAN will belong to

# How do we offer services - The Pipeline (Nornir)



# How do we offer services - Breakdown

**Nornir\_Pipeline** = Git\_pull + Retrieve\_data + Create\_config + Compare\_config + Commit

**L2VPN** = NB\_provision\_l2vpn + Nornir\_Pipeline

**Internet\_Feed** = L2VPN + NB\_eBGP\_prefix + Nornir\_Pipeline

**Cloud\_Resources** = NB\_assign\_prefix\_vlan + Nornir\_Pipeline

# WFO

- Example-Orchestrator workshop
- Onboarding Team (Geant)
  - Deeper dive to building blocks and mechanics
- Manual Installation of WFO (orchestrator-core and UI)
- Real use-case scenario breakdown (Assign\_DC\_Resources)

# WFO (on going)

- writing first @Steps of workflow, getting familiar with testing procedure  
(write code - migrate DB - check UI output)
- test/implement code for Netbox webhooks from WFO towards custom-script execution.
- test/implement Netbox API calls to produce drop-down list of Netbox choices menu inside WFO.
- Engage developers/SRE team.

# WFO - conclusions

- Small/slow steps at a time.
- Really helpful community.
- Documentation.
- Clear installation procedure suggestion.
- Video tutorials that show real use success stories.

THANK YOU!