



**Vertical Innovations in Transport And Logistics over 5G
experimentation facilities**

VITAL-5G Material for 3rd party experimenters



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Grant Agreement No 101016567

1 3rd party experimentation guidelines

1.1 Onboarding and vertical service deployment process

This document provides step-by-step procedure that 3rd party experimenters should follow after they have registered, and indicated their idea for experimentation.

1.1.1 Useful material

- A tutorial video where all the steps are showed for onboarding a Network Application on the VITAL-5G platform:
https://drive.google.com/file/d/1H2tRCW3glFuinBDH4vyineb_ykxWDvk5/view
- An example of Network Application package is available here:
<https://drive.google.com/file/d/1E9o-xE2sdMWy-NS6cbFWxzoIYtxe1e1D/view?usp=sharing>
 - In addition to Network Application package, VNF descriptors and packages need to be prepared, as per example: <https://drive.google.com/drive/folders/1c9eLFcMqirxqt-yjDYHmpnSuHZaMdc21?usp=sharing>

1.1.2 Technical steps

Steps for onboarding and deployment of Network Applications via VITAL-5G platform:

1. Set up the VPN to connect to the VITAL-5G platform
 - Specific input required: Name/Email & Phone No
2. Create a VITAL-5G account (after the VPN is in place)
3. Create/onboard your Network Application(s) as a zip file containing (all steps are shown in the video):
 - Blueprint.json
 - Example: <https://drive.google.com/file/d/1E9o-xE2sdMWy-NS6cbFWxzoIYtxe1e1D/view>
 - Directory → licenses
 - Example: <https://drive.google.com/file/d/1E9o-xE2sdMWy-NS6cbFWxzoIYtxe1e1D/view>
 - Directory → SoftwareDoc
 - Example: <https://drive.google.com/file/d/1E9o-xE2sdMWy-NS6cbFWxzoIYtxe1e1D/view>
 - Directory → TestCase
 - Example: <https://drive.google.com/file/d/1E9o-xE2sdMWy-NS6cbFWxzoIYtxe1e1D/view>
4. Create the VNF for OSM
 - Link your (OpenStack) snapshot with it (see also the demo of VS8 and the video)
 - Provide a .tar.gz file of your application package
 - Example:
<https://drive.google.com/file/d/1KPatgVOaPrXqG7eCtiXkWTzse7gGoigx/view>
5. Upload it on the VITAL-5G platform

- Check out the video:
https://drive.google.com/file/d/1H2tRCW3gIFuinBDH4vyineb_ykxWDvk5/view

Accessing network metrics via VITAL-5G platform:

- The format of the data that can be fetched (when subscribed (ZMQ) to the VITAL-5G Centralised Monitoring Platform) during the experiment execution: <https://docs.google.com/spreadsheets/d/1-67YquHjRGxybjtsgCCyaBOMgEa-YiGHleac-qmuj0o/edit#gid=1716003726>
- The ZMQ subscriber to fetch metrics from the VITAL-5G Centralised Monitoring Platform (e.g., network metrics) is fully described here: https://gitlab.com/vital-5g/VITAL-5G_Platform/monitoring-platform