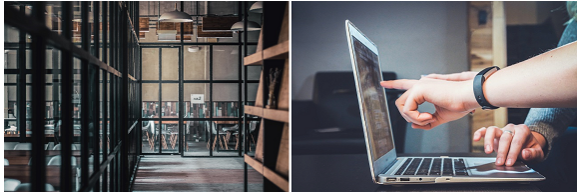


OAV Training Portal



This Training Portal is offering courses focused on the research and education community, with external references that can be useful for us and examples that can be closer to our use cases. It is training by the community for the community. The portal will have new classes available for you to explore every couple of weeks; all classes are online courses

that you can follow and complete at your own pace.



Info | Infosharing ++ Events

- [all upcoming and past events](#)
- **New at this page:** [PMP](#), [Automation tools](#): [GNAT](#)

Introduction

- [OAV - Introduction](#) (30')
- [OAV Architecture Requirements for NRE NS](#) (10')
- [The OAV Architecture Blueprint](#) (30')

DevOps

- [Introduction to CI/CD](#) (15')
- [Version control: Gitlab](#) (40')
- [Version control: GitHub](#) (2h)
- [CI/CD: Jenkins](#) (5h)
- [CI/CD: Gitlab CI](#) (40')

Decoupling & Integration

- **Intro
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Mod
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Data
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and
Prot
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(30')
- **Data
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- **For
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YAML**
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JSON**
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- **Prot
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(2h)
- **Intro
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API**
(45')
- **New**
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Engagement
Management

- [Intro
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(15')

Party
Management

- [Intro
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Core
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Management

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Production

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- *Introduction to Orchestration* (30')
- *Orchestration: NSO* (6h - including lab)
- *Introduction to automated monitoring: Nagios* (60')

Intelligence Management

- *Introduction to Intelligence Management* (15')
- *New : Nagios* (2h)
- *Big Data Storage* (1.5h)
- *Elasticsearch* (30')

OAV Realisation

- *Towards
Intelligent
Networks
(30')*

ADDITIONAL READING

Architecture Mappings

NREN use cases

- *CAR
NET*
- *CYN
ET*
- *GÉA
NT*
- *GRN
ET*
- *HEA
net*
- *PIO
NIER*
- *SUR
FNET*

other use cases

- *Argus*
- *NMa
aS*
- *PMP*
- *SPA*

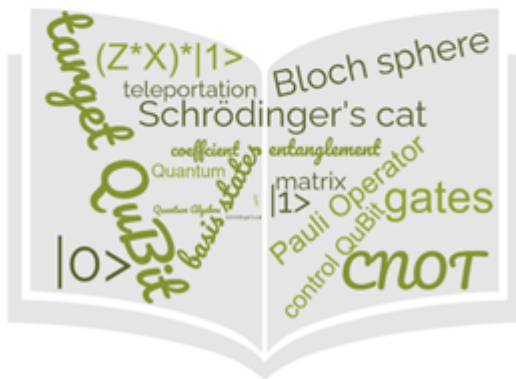
Architectures

- *Standards & Common Architectures*
- *TM Forum ODA*
- *MEF*
- *ETSI - OSM*
- *ETSI - ZSM*
- *ONAP*
- *OpenBat on*
- *5G 3GPP*
- *GVM*
- *SENSE*
- *TAL ENT*
- *EOSC*

External Collaborations

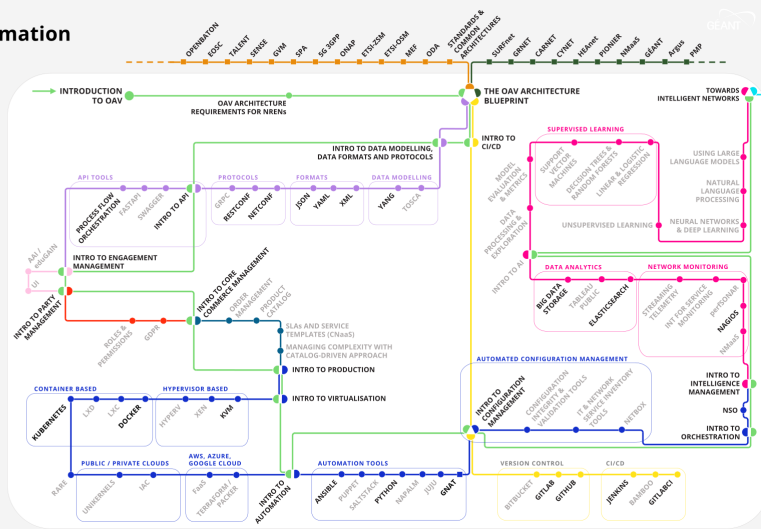
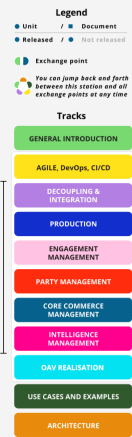
- *New : Automation tools: GNA T (G NOC)*

Start with our [Quantum Algebra Class](#) for an easy grasp of basic concepts of entanglement and teleportation



Meet us on the first Tuesday of every month
One hour for questions & answers
Just drop us an email at oav@lists.geant.org and we will
send you the link.

Network Automation eAcademy



Orchestration, Automation and Virtualisation (OAV) are broad topics with many tools, platforms, programming languages and concepts involved.

The interactive metro map is a visual way to help you follow your self-paced training, depending on your interests. These are some tips to follow:

- A circle in a station means this is a Moodle course in the eAcademy.
- A square means this is a document or an external website where you can get more information on a topic.
- A station with the font highlighted is available.
- A station with the font grayed out means it's not published yet.
- Some stations can belong to more than one line.
- When you arrive to a big station after completing a line, you have gained the knowledge about the topic and mastered the area.
- The green line gives a basic overview of OAV topics and the functional blocks in the TM Forum Open Digital Architecture (ODA) in short learning units.
- We recommend that you take at least the first three introductory courses before jumping to another line.
- You can change the line and follow a technical line, or a more theoretical line, or search for use cases.