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.

## Courses in Network Automation eAcademy

(approximated commitment to follow each learning unit between brackets; page best viewed on a desktop or laptop with display resolution of 1920x1080 wide or higher)

<table>
<thead>
<tr>
<th>Introduction</th>
<th>TM Forum Open Digital Architecture</th>
<th>ADDITIONAL READING</th>
</tr>
</thead>
<tbody>
<tr>
<td>• OAV - Introduction (30')</td>
<td>• OAV Architecture &amp; Requirements for NRENS (10')</td>
<td>NREN use cases</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• CAR NET</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• CY NET</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• GR NET</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• HEN et</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• PION ER</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• SURF NET</td>
</tr>
<tr>
<td></td>
<td></td>
<td>other use cases</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• NMa aS</td>
</tr>
</tbody>
</table>

Architectures
DevOps

- The OAA Architecture Blueprint (30')
- Introduction to Data Modelling, Data Formats, and Protocols (30')
- Data Modelling: YANG (10')
- Standards & Common Architectures
- TM Forum, ODA S, PA, MEF, ETSI, OSM, ETSI zSMONAP, 5G, 3G, PP, G VM, SENSE, TALENT, E, EOSC
• Introduction to CI/CD
  (15')
• CL/CD: Jenkins
  (5h)
• CL/CD: GitLab CI
  (40')
• Formats: XML
  (60')
• Formats: YAML
  (30')
• Formats: JSON
  (45')
• Protocols: NETCONF
  (4h, including installation)
Introduction to A Pin (45')

Engagement Management

Introduction to Engagement Management (15')

Party Management
If you like packages... 
...you may also enjoy our Training Packages!

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.
• Introduction to Production (3 0')
• Introduction to Virtualisation (3 0')
- **Automation Tools**:
  - Ansible
  - (60' + lab time)
- **Introduction to Configuration Management**
  - (20')
• Orchestrated: N 5O (6 h in cl udi ng lab)

Intelligence Management
• Introduction to Intelligence Management (5 h)
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 (between 5 minutes and 1 hour).
- 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.