

Projects

Network Routing Project

IDENTIFICATION

CODE : TC-3-S1-EC-GNS
ECTS : 2.0

HOURS

Lectures : 0.0 h
Seminars : 0.0 h
Laboratory : 0.0 h
Project : 16.0 h
Teacher-student
contact : 16.0 h
Personal work : 16.0 h
Total : 32.0 h

ASSESSMENT METHOD

Project evaluation throughout the
course

TEACHING AIDS

[https://moodle.insa-lyon.fr/
course/view.php?id=7676](https://moodle.insa-lyon.fr/course/view.php?id=7676)

TEACHING LANGUAGE

French

CONTACT

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AIMS

Learn how to characterize a network using an intent file.
Learn how to automatize the generation of router configuration based on an intent file.
Advanced network configuration.

CONTENT

- Define a json or xml structure that describes your network intents, and develop software that will generate the cisco configurations using the intent file as an input.
- Develop software that automates the generation of router configuration based on an intent file.
- Define the approach used to validate the generated configurations.
- Deploy the generated configurations.

PRE-REQUISITE

TC-3-NRP