

Bachelor's Thesis

# Implementation and Evaluation of A Nested Approach for Dynamic VM Placement, Routing, and Migration

In this work, we would like to implement a nested approach to make three decisions in a Space-Air-Ground Integrated Network: 1) Where to place Internet-based services for airplane passengers? 2) How to route the traffic from the plane to the VM? 3) Are VM migrations necessary over time?

## Prerequisites

Experience in Python or Java, Mathematical Optimization, Algorithms

## Contact

amir.varasteh@tum.de

## Advisors

Amir Varastehhajipour