A Service Function Chain (SFC) can be deployed by utilizing Network Function Virtualization (NFV) concept. A challenge during the lifetime of SFCs can over-/underload a Virtual Network Function (VNF). To solve this issue, firstly, the under-/overload bottleneck should be identified. Secondly, an algorithm must be solved to solve the under-/overloaded situation efficiently.

In this work, we plan to design and evaluate an optimized strategy to identify and cope with under-/over deployed SFCs. We want to focus on a distributed optimization approach, called Alternating Direction Method of Multipliers (ADMM).

**Prerequisites**

Mathematical Optimization, Algorithms, Java / Python

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