Master Thesis –
Virtualized Network Infrastructure

Background
Ericsson datacenter constantly evolves and expands by providing standardized services through automation. One of the key-enabling services we provide is connectivity through our network infrastructure. With the increased demand on providing connectivity, the service development needs to become faster.

One way to meet the demands is to deploy a virtualized network infrastructure, then testing can be performed in a controlled and secure way without impacting the production environment.

Thesis Description
The subject for this thesis is to investigate and develop an automated deployment of our network infrastructure in a virtualized environment. The virtualized network infrastructure also needs to interact with our existing production environment and support systems.

The thesis will be concluded with a result presentation for the Ericsson network team.

Qualifications
This project aims at students in electrical engineering, computer science, computer engineering or similar.

Extent
1-2 students, 30hp each

Location
Ericsson AB Mjärdevi, Linköping

Preferred Starting Date
Spring 2023

Keywords
Python, Network Infrastructure, Automation, Virtualization

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