Success Story Templates

NCC Estonia

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Industrial HPC Course

SUCCESS STORY IN LANGUAGE TECHNOLOGY

COMPANY: LUISA TÕLKEBÜROO OÜ

The biggest translation agency in Estonia. The company offers more than 50 services – including sworn translation, simultaneous and consecutive interpretation, layout work, machine translation and post-editing, subtitling and localisation.

THE PROBLEM

The company needed a custom-made machine translation system to reduce the time of translations.

SUCCESS STORY DETAILS
HPC provider: University of Tartu HPC Centre
Domain Expert: TartuNLP
Country: Estonia
Link: https://nlp.cs.ut.ee/

THE HPC PROBLEM DOMAIN

Artificial intelligence
Machine learning

THE SOLUTION

As the company had no NLP/machine learning competence, they collaborated with the TartuNLP group.
Training of the machine translation model was conducted by using University of Tartu HPC centre's Rocket cluster.

THE BENEFITS

Neural machine translation systems were built for 4 language pairs and several text domains.

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SUCCESS STORY IN LANGUAGE TECHNOLOGY

THE PROBLEM

The company needed a custom-made machine translation system to reduce the time of translations.

THE HPC PROBLEM DOMAIN

Artificial intelligence
Machine learning

THE SOLUTION

The company had lots of proprietary domain-specific data, but they had no NLP/machine learning competence nor the infrastructure required for training. Therefore, the company collaborated with the TartuNLP group.
Machine translation models were trained by using University of Tartu HPC centre's Rocket cluster possessing plenty of GPU resources.

THE BENEFITS

As a result of the project, neural machine translation systems were built for 4 language pairs and several text domains. Once the models were trained, the company considered different options for deployment. Their initial plan was to invest in their own infrastructure but soon realized that it would not be justified for their use case and the TartuNLP group deployed the models alongside other services in the cloud. As a result, the company enjoyed lower deployment costs and did not have to worry about maintaining their own hardware.

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