

Technische Hochschule Ingolstadt

Specialist area Computer Science Bachelor's course Computer Science

Bachelor's thesis

Subject: Conception, implementation and evaluation of a highly scalable and

highly available Kubernetes-based SaaS platform on Kubernetes Con-

trol Plane (KCP)

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- 2.3 SaaS Architecture and Automation

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- 3.3 Multi-Tenancy Concepts in the Cloud

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- 4.2 Architecture Design with KCP for SaaS
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- 5.1 Infrastructure with KCP
- 5.2 Tenant Provisioning (Automation, Multi-Tenancy)
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6 Evaluation

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- 6.1 Performance Measurements (Downtime, Latency, Scaling)
- 6.2 Scaling Scenarios & Optimizations
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