Chair of Network Architectures and Services
Department of Informatics
Technical University of Munich

Thesis M.Sc.

Web server Monitoring with Active Measurements

Motivation

Monitoring web servers is crucial for website operators and service providers to ensure availability and service quality.
In addition, the analysis of collected data offers the opportunity to learn more about the running web application and factors, that might influence the user experience. E.g. by analyzing response and request times.

Measurements with active clients enrich monitoring results by increasing the amount of data that can be collected and reducing noise effects from unknown clients.
To perform more complex measurements of web servers automatically, it is necessary to provide clients that can interact with the web server and the web application.

PPRO

This theses is done in collaboration with the fintech company PPRO[a] in Munich. Get in touch with an exciting company and combine research with real-world application!

Please note, that the application process for this thesis includes an interview with PPRO.

[a] https://www.ppro.com

Your Task

- Develop appropriate metrics to monitor web server performance
- Determine requirements and features for an active measurement client
- Implement and deploy such clients
- Perform measurements of a real web server and analyze the results

Contact

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