

Master's Programme in Computer, Communication and Information Sciences

# Performance of Server Message Block implementations over QUIC

**David Enberg** 

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Abstract

**Keywords** For keywords choose, concepts that are, central to your, thesis



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Sammandrag

**Nyckelord** Nyckelord på svenska, temperatur

# **Preface**

Otaniemi, 30 June 2025

Eddie E. Engineer

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# **Abbreviations**

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- 1.1 Research questions and objectives
- 1.2 Thesis structure

- 2 Background
- 2.1 Internet transport protocols
- 2.2 File sharing protocols

- 3 QUIC
- 3.1 Information about the QUIC protocol

- 4 The SMB protocol
- 4.1 Information about the SMB protocol
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- 6 Performance and interoperability benchmarking
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- 6.1.2 SMB over QUIC implementations analyzed

Windows SMB client/server

**Fusion SMB server** 

- 6.2 Test scenarios
- 6.2.1 interoperability tests
- 6.2.2 Becnhmarking workloads
- 6.3 Results
- 7 Conclusions
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