

Improving the performance of Web Services in Disconnected, Intermittent and Limited Environments

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Abstract

My abstract

Part I

Introduction

1 Introduction

2 Background and Motivation

3 Problem Statement

Most of the Web Service solutions used today are aimed for civilian use and does not necessarily perform well in military environments. In contrast to civilian networks where bandwidth are abundant, mobile tactical networks may suffer from high error rates and low bandwidth.

In my master thesis I will investigate different optimization techniques that can be applied to improve communication. In order for the clients and services to remain interoperable the optimization techniques will be placed in proxies.

The Web Services will communicate with his counter part over HTTP as regular, with all traffic going unencrypted through the proxy. The Web Service itself does not need to pay attention to the bad connectivity, the proxy will choose the appropriate protocol and configuration.

4 Research Methodology

5 Limitations

Snevre inn oppgaven

6 Contribution

Hva er det oppgaven min bidrar med?

7 Outline

Part II Background

Part III Design and Implementation

8 Proxy

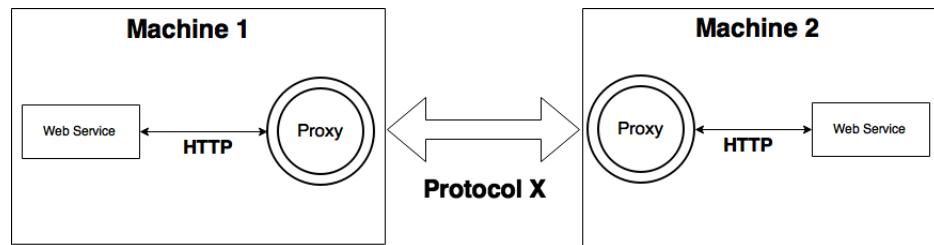


Figure 1: Architectural overview of proposed design

Part IV Testing and Evaluation