

BERGEN UNIVERSITY COLLEGE

DAT250

ADVANCED SOFTWARE TECHNOLOGIES

Cloud Computing Services Technology Study Project

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November, 2017

Abstract

This is the report for the DAT250 course at Bergen University College. During this project we have implemented a part of an online auction using Amazon Web Services as a platform for building a serverless application. This was compared to an application we implemented in Java Enterprise Edition with Glassfish. Due to time restrictions we only had time to implement parts of the application in Amazon Web Services.

1 Introduction

1.1 Motivation

The motivation for using Amazon Web Services in a serverless architecture is that the overhead of running servers are becoming obsolete in modern day web development. Previously a developer had to think of infrastructure and scaling for the application. Today hosting in the cloud can reduce the time before an application hits market drastically. There are also reduced security and stability concerns, because the security of platform and infrastructure is handled by the cloud provider. The cloud provider ultimately has more resources for handling infrastructure than a small to medium business.

1.2 Amazon Web Services

1.3 Node.js

1.4 History

1.5 Results

2 Technology

2.1 Concepts

3 Demonstration of prototype

4 Experiments and comparison

5 Conclusion

References