Cloud deployment

research document

for

HeardIT

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1. Introduction

The purpose of this document is to outline the research process taken during the cloud deployment process of the HeardIT application. The research is split into the following sections *– Main research question*, where the main question is defined, *Sub-questions*, where the sub-question derived from the main questions are defined and answered and *Conclusion*, where the answers to the sub-questions are combined in order to answer the main question. The final section is the *References* section where the sources of the information used during the research are presented.

This research takes into account a lot of different aspects of the cloud development sphere. This document reflects my current level of application deployment. During the duration of the semester new parts will be added, updated and expanded upon.

1. Main question

In this section the main question will be established. In order to complete the research, the main question needs to have a concrete answer. For this reason, it is important to define the main question well. The main question will also allow us to create the sub-questions that will help us answer the main question.

The main research question is:

*What technologies and methods are most suitable for deploying HeardIT?*

Answering this question will allow us to determine the best architecture design for the HeardIT application. In the next section I will establish the sub-questions that were derived from the main question and I will formulate an answer to each of them.

1. Sub-questions
2. What cloud providers are suitable for the HeardIT application?

Compare AWS, Azure, GCP

Methods used: Literature study, Expert interview

1. How to automate the deployment process?

Methods used: Brainstorm, Prototyping, Expert interview, System test

1. How to set-up the CICD pipeline for the front and back end repositories?

Also explain how the CICD pipeline works!!!

Methods used: Literature study, Document analysis, Expert interview

Methods used:

Methods used:

1. Conclusion

To conclude this research, I am going to deploy the HeardIT application using \_\_\_\_\_\_\_\_\_.

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