Scalable Peer-To-Peer Key Value Store

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Submitted for the Degree of Master of Science in

Distributed and Networked Systems



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**Declaration**

This report has been prepared on the basis of my own work. Where other published and unpublished source materials have been used, these have been acknowledged.

**Word Count**:

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**Signature**:

**Abstract**

It has now become a well established fact that the expansion of the internet, coupled with the adoption of IoT (Internet of Things) technologies, has also lead to a rapid increase in the amount of data being generated. A report by IDC predicted that the ‘global datasphere’, the total amount of data hosted on the internet, would grow from 33 Zettabytes in 2018 to 175 Zettabytes by 2025. Another noticeable trend is the popularity of a small set of platforms that generate vast quantities of data. Data generated and consumed at high velocity. A 2019 edition of an info-graphic titled ‘every minute of the day’ highlights the data quantities in numbers. For examples, on average every minute, 4.5 million videos are watched on YouTube, 694,444 hours of video is streamed on Netflix 55,140 photos are posted on Instagram.

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# Introduction

This is a sample section. The heading should be in style ‘Heading 1’.

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Do not change the layout of the document either. For lists, use the ‘bullet’ style as follows:

* Bullet one
* Bullet two

Resume rewriting in the ‘Normal’ style.

## Subsection

This is an example of a subsection. The heading should be in style ‘Heading 2’.

### Sub-subsection

This is an example of a sub-subsection. The heading should be in style ‘Heading 3’.

### Sub-subsection

This is another example of a sub-subsection

## Subsection

This is an example of a subsection.

# Background Research

Sections start automatically in a new page.

# Section three

**References**

The list of sources that you have used, which should have been referenced in the body of the report.