

Flytrap: Decentralised Blockchain Security & Auditing Architecture for IoT and MQTT Brokers

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Declaration

No portion of the work contained in this document has been submitted in support of an application for a degree or qualification of this or any other university or other institution of learning. All verbatim extracts have been distinguished by quotation marks, and all sources of information have been specifically acknowledged.

Signed:

Date: February 7, 2020

Abstract

An expansion of the title and contraction of the thesis.

Acknowledgements

Much stuff borrowed from elsewhere

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Chapter 1

Introduction

Internet of Things, also known as IoT, is a growing field within technical industries. It's a notion first first coined in Ashton (1999)

1.1 Defaults

Chapter 2

Frequently asked questions

In addition to the information provided in chapter 1, here are some brief notes on references (see section 2.1) and figures (see section 2.2).

2.1 References

You can, of course, use any referencing style you like such as plain. The natbib package, however, allows you to do this with named style citations:

<code>\citet{key}</code>	Jones et al. (1990)
<code>\citet*{key}</code>	Jones, Baker, and Smith (1990)
<code>\citep{key}</code>	(Jones et al., 1990)
<code>\citep*{key}</code>	(Jones, Baker, and Smith, 1990)
<code>\citep[chap. 2]{key}</code>	(Jones et al., 1990, chap. 2)
<code>\citep[e.g.][] {key}</code>	(e.g. Jones et al., 1990)
<code>\citep[e.g.][p. 32]{key}</code>	(e.g. Jones et al., p. 32)
<code>\citeauthor{key}</code>	Jones et al.
<code>\citeauthor*{key}</code>	Jones, Baker, and Smith
<code>\citeyear{key}</code>	1990

2.2 Figures

To include an encapsulated postscript or PDF file (depending on whether you're using \LaTeX or $\text{PDF}\text{\LaTeX}$) as a figure, do something like the following. Note, to ensure correct cross-referencing, it is best to include the figure label within the caption definition. *Note that the graphicx package is already loaded and used to include the University crest on the title page.*

```
\begin{figure}
  \begin{center}
    \includegraphics{myfigure.pdf}
    \caption{This is my figure.\label{fig:mylabel}}
  \end{center}
\end{figure}
```

2.3 Frequently used symbols

In \LaTeX documents where you want to use a modality or some text consistently in normal text and in equation environments it is often difficult to remember to typeset the text consistently or time-consuming to keep typing in the environment. It may be a good idea to define something like the following in the preamble (i.e. before `\begin{document}`):

```
\def\sftthing#1#2{\def#1{\mbox{{\small\normalfont\sffamily #2}}}}
```

```
\sftthing{\PP}{P}
```

```
\sftthing{\FF}{F}
```

Then use it in text or math mode. In all cases it looks the same; e.g.

`\PP\` refers to something, and other things are `\FF`; $\Phi = \text{\PP}\cup\text{\FF}$

is typeset as:

P refers to something, and other things are F ; i.e. $\Phi = P \cup F$

Note that you need to put “`\`” after the command if you want a normal space after it.

Bibliography

Ashton, K. (1999). An introduction to the internet of things (iot). *RFID Journal*.