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BACHELOR THESIS

Building a "Router on a chip" using Freescale's t1040 platform

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Bucharest, 2014

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Notations and Abbreviations

CS – Computer Science
UPB – University Politehnica of Bucharest

Chapter 1

Introduction

This is just a demo file. It should not be used as a sample for a thesis.

TODO:
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1.1 Project Description

1.2 Background

This thesis presents the **MySuperProject**.

1.3 The Problem

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1.4 The Solution

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Introduction: -length= ??(probabil pana in 4 pagini)

* Background: - state of the art - utilitatea routerelor de genul - context / routere / ce exista pe piata - cam 1 pagina?

* The problem - ce probleme au solutiile existente - 0.5 - 1 pagini?

* The solution - ce fac eu - ce am in plus, de ce e mai bun - foarte sumar - cam 1 pagina

Main body: -length= ? (20-30 pagini)

* The Freescale Platform - hw specs - detalii generale arhitectura - ce face bine, de ce e bun pentru un astfel de proiect - 4 pagini?

* Characteristics - ce functionalitati are - prezentat in subcapitole separate fiecare parte (TODO) - poate intra mult, deci poate chiar 10

* Architecture: - scheme - altceva???

* Scenarii de folosire: - small office router - lightweight hosting - TODO: mai gaseste chestii de bagat

* Performante: - maybe?

Chapter 2

The t1040 platform

TODO:
Baga text

2.1 HW specs

This thesis presents the **MySuperProject**.

This is an example of a footnote [1]. You can see here a reference to Section ??.

Here we have defined the CS abbreviation. and the UPB abbreviation.

2.2 General arch details

We have now included Figure 2.1.

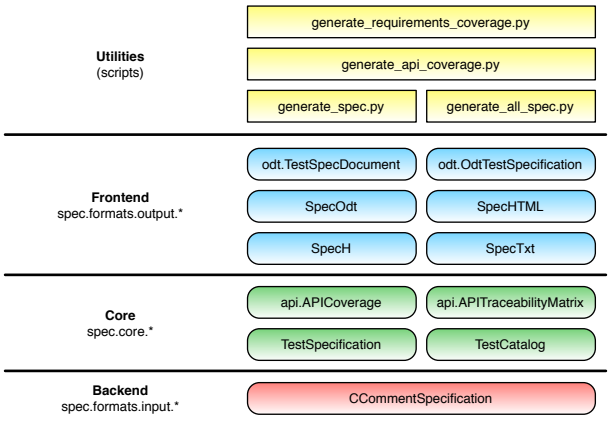

Figure 2.1: Reporting Framework

We can also have citations like [1].

[1] www.google.com

2.3 Why is it good for what we need

Chapter 3

Features

This is just a demo file. It should not be used as a sample for a thesis.

TODO:
Remove this line (this is a TODO)

3.1 LAN switching

3.2 Wireless network

3.3 Wireless/LAN bridging

3.4 HW firewall

3.5 Easy administration / Webmin

3.6 HW/SW routing

3.7 NAT

3.8 SW services

Chapter 4

Architecture

This is just a demo file. It should not be used as a sample for a thesis.

TODO:
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4.1 ?????

Chapter 5

Usecases

This is just a demo file. It should not be used as a sample for a thesis.

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5.1 Use 1

5.2 Use 2

5.3 Use 3

5.4 Use 4

5.5 Use 5

Bibliography

[1] International Organization for Standardization. Iso/iec 26300:2006 open document format. http://std.dkuug.dk/keld/iso26300-odf/is26300/iso_iec_26300:2006_e.pdf, December 2006.