

Thesis topic ...Template for writing a PhD/MPhil thesis in LaTeX

Candidate name



This thesis is submitted for the degree of

Doctor of Philosophy

School of Electrical ...

The University of Western Sydney

August 2013

Abstract

... Place your abstract here ...

I would like to dedicate this thesis ...

Acknowledgements

... And I would like to acknowledge ...

Publications

International Journal Publications

... Place your international Journal Publication here ... e.g.,
...**Ifeanyi P. Egwutuoha**, David Levy, Bran Selic, and Shiping Chen, “A survey of fault tolerance mechanisms and checkpoint/restart implementations for high performance computing systems,” In The Journal of Supercomputing, pages 1-25, Springer, 2013. more here more here
..... more here

International Conference Publications

... Place your international Journal Publication here ... e.g.,
...**Ifeanyi P. Egwutuoha**, Shiping Chen, David Levy, Bran Selic, and Rafael Calvo, “Energy Efficient Fault Tolerance for High Performance Computing (HPC) in the Cloud,” Accepted, to be presented to IEEE CLOUD 2013, IEEE 6th International Conference on Cloud Computing, June 27-July 2, 2013, Santa Clara Marriott, CA, USA. more here
..... more here more here

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Glossary

Chapter 1

Introduction

1.1 Background

1.2 Motivation

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Chapter 2

Related work

HPC systems depend on hardware and software to function appropriately.

2.1 Analysis of Failure rates of HPC Systems

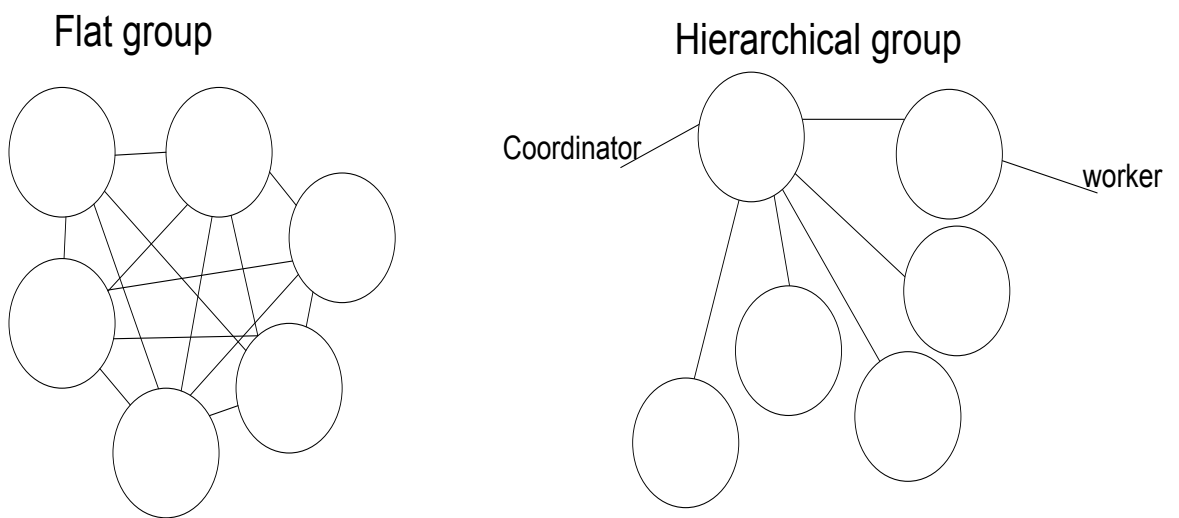


Figure 2.1: Flat group and hierarchical group masking

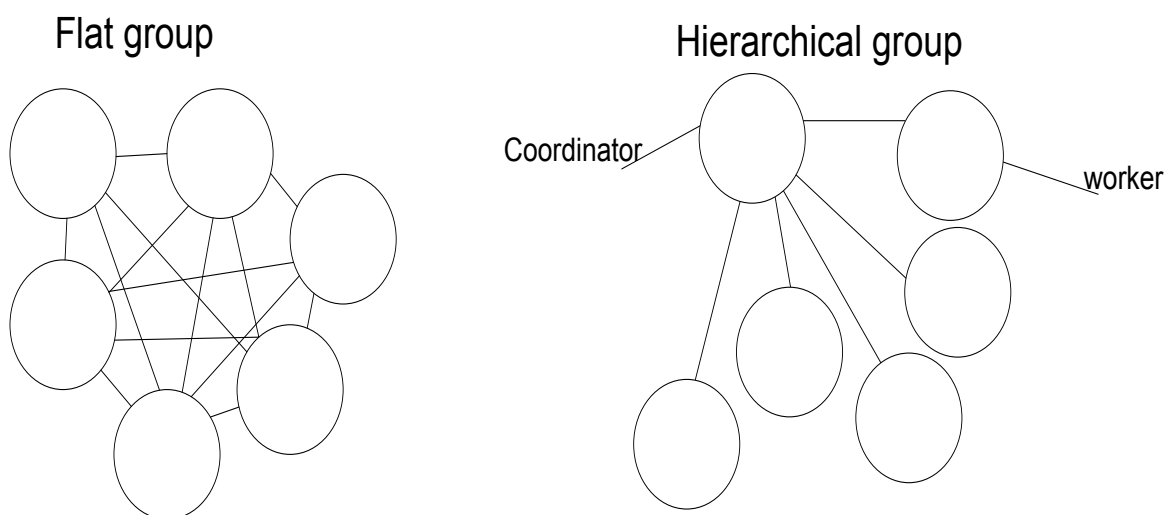


Figure 2.2: Flat group and hierarchical group masking

Chapter 3

HPC in the Cloud, Concepts and Architecture

Cloud computing is a new computing paradigm.

3.1 Cloud Computing Architectures

A simple analysis of the Top500 [?] HPC

Chapter 4

Proactive Fault Tolerance

Approach to HPC systems in in the Cloud

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Chapter 5

Cost-effective Cloud Services for HPC in the Cloud: The IaaS or The HaaS?

5.1 Introduction

5.2 MPI applications and benchmark

Public clouds promise the major benefits of cloud computing [?].

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Chapter 6

Conclusions and Future work

Here I put my conclusions ...

Appendix A

and here I put a bit of postamble ...

Appendix B

Appendix

and here I put some more postamble ...