

Title: Must be changed..

- Architecture for Ad-Hoc Platform as a Service Cloud System (or something to that nature)

Abstract:

- one page summary of the thesis (motivations, contributions)

Chapter 1 - Introduction – should be short but informative. After reading your intro, you want the reader to *want* to read the rest of the document.

- There are two essential elements in an introduction, you need to convince the reader that there are strong motivations to the work and that you have made contributions. The introduction should also set the stage for the remainder of the document.
- Motivations – answer questions such as:
 - why did you take on that project?
 - how useful would the results be? – to whom?
 - What are the research questions?

Start with some scenarios describing why the project is important – examples:

1. Most households have several computers, sometimes several generations of functioning computers – is it possible to “easily” leverage these in order to provide computing platform for the household allowing more processing power, redundancy, availability? Can we if for example this household would like to have a web presence, take advantage of their infrastructure (rather than paying external hosting?)
2. Consider a group of friends/colleagues who trust each others, can they pull together their computing resources in the way described above?
Trust is important here as to avoid legitimate security concerns...
3. ...

The goal of the work must be clearly stated typically as your research questions – examples:

- Is it possible to create “added” computing infrastructures by pulling together separate computing entities, so that computing services can be provisioned on-demand, .. ?
- Can this be done with little effort ? (typically with existing components) ?
- Can this be done while ensuring security ?
- ...

Provide indications of how you could answer these questions: from what is above, we can identify elements of the solution by looking at Cloud Computing and Ad-hoc networks (P2P systems). Therefore, your thesis will be looking in these areas.

Talk about how you would evaluate the solution – you can mention Bandara and Jayasumana as part of the elements of evaluation..

- Contributions
 - summarize the contributions in regard to the research questions – what have you completely answered, what is partially, what is not?
- Outline the thesis.

Chapter 2 – Background

- In this chapter, you introduce all that is needed to understand the work. Concepts such as Cloud Computing, DHT, Structured/UnStructured overlay, Gossip protocols, virtualization, containers, ...
- Think of this as producing as much as possible self-contained document. You provide an informative summary of everything needed to understand the work and references to more

details for the interested reader.

Chapter 3 – Related work

- Present [Cloud@Home](#) and P2P Cloud System. For each first provide a description, then discuss their appropriateness in regard to your research questions – examples of points would be:
 - does the approach fit the goals and objectives
 - complexity of the solution (how easy it is to set in limited resource environment)
 - how does the approach fare in regard to the evaluation criteria.
- The presentation of related work should be **very objective**, but outline the deficiencies in regard to your problem.

Chapter 4 – Architecture

- This is your design to satisfy your research questions.
- Start by a Section that provides an overview (the main components), then delve in these in separate Sections (e.g. Network layer, Virtual layer, Application layer).

Chapter 5 – Implementation

- details on the actual implementation

Chapter 6 – Evaluation

- present case studies
- look back at your evaluation criteria – where does your solution sit?

Chapter 7 – Conclusions

- summarize your contributions
- talk about the open problems – what could be done as future work?

Generalities

- Start each Chapter (except maybe the Introduction and Conclusion) with a short introduction of the Chapter and end with a short summary of the Chapter contents
 - the goal is to allow a reader to simply skim through
- Avoid at any cost to appear *judgemental*, *subjective*, *light*, this is an academic work – must be based on facts, proofs, evidences.
- Avoid citing of whole paragraphs – summarize and rephrase rather.
- Make sure all cited Figures have the right references.