

## Literature Review

Due: October 7, 2016

Maximum 5 page

In modern organization and industry, most infrastructure is virtualized with less hardware installed onsite and computing needs accessed as services over internet. Users use simple devices like phones, tablets IoT devices to access backend services from data centers. The frontend physical hardware is being replaced by virtual machines and network.

Theme: Conduct a literature review to validate the shift described above and identify the change in computing systems that is enabling it. Identify a research area that is relevant in the area of virtualization.

- A) Read the publication you are provided and answer the following questions (5 points , September 23)
- 1) Objective: What is the objective of each research paper?
  - 2) Research Question: What is the research question the paper is answering (this could be the same as the objective)
  - 3) Method: What is the methodology used? The source of data is a good indication of the methodology.
  - 4) Result: What was the result or conclusion the research arrived at? Did it answer the question it raised?
  - 5) Gap: What gap can you identify that needs addressing? Question that the paper raised and did not answer, limitation highlighted by the paper
  - 6) Evaluation of the paper: Is it well written? Are there any assumptions that are not realistic? Is the result reasonable?
  - 7) Highlight: What one point will you take from this publication?

Remember that you have to read each paper repeatedly to understand and identify key points. It is important to have the theme of the research in mind while reading the publications. Additional guidance will be provided during the discussion of the papers.

Publication 1 (September 10)	
Don Revelle, Hypervisors and Virtual Machines Implementation Insights on the x86 Architecture <a href="https://www.usenix.org/system/files/login/articles/105498-Revelle.pdf">https://www.usenix.org/system/files/login/articles/105498-Revelle.pdf</a>	
Objective	
Research Question	
Methodology	
Result	
Gap	
Evaluation of paper	
Highlight	
Publication 2 (September 16)	
Objective	

Research Question	
Methodology	
Result	
Gap	
Evaluation of Paper	
Highlight	
<b>Publication 3 (September 23)</b>	
Objective	
Research Question	
Methodology	
Result	
Gap	
Evaluation of the paper	
Highlight	

- B) Identify three more publications that will reinforce what you have identified in part A, and review your work using the systematic approach you have developed in part A. Based on the six papers you have reviewed, propose a research question. (5 points, October 7, 2016)