



**UNIVERSITY OF TOURISM, TECHNOLOGY AND BUSINESS STUDIES**  
**Computer Engineering**  
N-Computing and Virtualization technologies

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**Paper Review (To be submitted Sunday 26<sup>th</sup> April 2020)**

**Virtualization: Architectural Considerations and other Evaluation Criteria**  
**By VMWare Team (*The paper is on the e-learning platform*)**

**Read the paper carefully and answer the following questions:**

1. What is “x86 system”? Give two examples of x86 based system. What are the alternatives of such systems?
2. What is the purpose of the paper?
3. According to the paper, what is the difference between VMware product architecture and the architecture of Xen and Microsoft?
4. According to the paper, what is an enterprise readiness? Which readiness is being used by VMWare?
5. Discuss about the architectural consideration for x86 systems that are addressed in the paper.
6. The author said that transparent virtualization, para-virtualization and hardware assist are not mutually exclusive. What does this mean?
7. Discuss about Consolidation ratio and server utilization based on the paper?
8. Explain in details what determine the suitability of a given workload as a candidate for virtualization?
9. Which applications do ESX Server tuned to support?
10. To what extent are the virtual machines supported by other management software vendors?

**Please ask the author of the paper two questions for something you didn't understand very well in the paper.**