

## Week 1 - AR Project Description

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## **VMware Server Virtualization Solution in Businesses**

### **Description of the project**

The goal of the project is to look into the benefits and challenges of using a VMware server virtualization solution in business environments. The focus of the research will be how server virtualization affects the business's operations, security, and overall effectiveness. Enterprises may see cost savings as well as other benefits as a consequence of using a virtualized server system (Naim, 2021). Additionally, the program will look at how server virtualization affects a company's scalability, reliability, and compliance. Learning about a number of IT topics, including server virtualization, cloud computing, and system management, is made easy with this project. Additionally, it offers a chance to learn more about the effects server virtualization has on organizations and the steps necessary to properly adopt the solution. Finally, the project offers a fantastic chance to improve communication and problem-solving abilities.

### **What will the project entail?**

The goal of this research is to examine how VMware server virtualization technologies may assist businesses of all sizes. I will look at how server virtualization enhances security, disaster recovery, and operational effectiveness. I will also look at the costs and benefits of server virtualization as well as the many virtualization tools out there, including VMware ESX, VMware vSphere, and other virtualization programs.

I intend to speak with IT specialists who have put VMware server virtualization solutions into practice in businesses of various sizes. I will learn more about the advantages, difficulties, and best practices associated with this technology through these interviews (Mirick &

Wladkowski 2019). I'll also go over the current server virtualization literature and look for case studies that cover the application and use of VMware technology.

The savings in money and time that come with VMware virtualization solutions will also be a main topic of my investigation. I will examine the expenses related to the development and upkeep of the technology and contrast them with the cost reductions that result from it. I will also look at the solution's administrative and operational costs as well as the potential time savings.

Finally, I will examine how VMware server virtualization solutions improve security and disaster recovery. I will analyze the technologies' disaster recovery prowess as well as the different security features and deployment approaches offered by VMware solutions. This information will enable me to evaluate the solution's worth and my ability to assist enterprises in safeguarding their systems and data.

### **Participant in the project**

This project will involve a number of stakeholders, including business owners and executives who are currently considering implementing a virtualized server system, IT professionals with experience with virtualized server systems in the business environment, and IT professionals with expertise in virtualization. In order to get their opinions and views on the research project, all stakeholders will be consulted and included in the study process. I will learn a lot about the theoretical and practical sides of server virtualization by working with the IT experts and my professor. I'm thrilled to be a part of this effort, and I anticipate seeing the outcomes (Dwivedi et al.2022).

### **Project Timeline**

The estimated duration of the project is 12 weeks. I will be reading up on the subject and speaking with IT experts throughout the first four weeks. To do this, a thorough examination of the benefits and drawbacks of adopting a virtualized server system in company will be conducted. I will be reviewing the information obtained from the research and interviews over the course of the following four weeks and compiling the findings into a thorough report. I will contact with stakeholders and make final edits to the report over the next four weeks to make sure it has all relevant information and is presented in a clear, orderly manner. The project will be finished with the delivery of the final report to all parties involved.

I can finish my research assignment on VMware Server Virtualization Solution in Businesses in fourteen weeks if I stick to the suggested schedule. This schedule will guarantee that I have enough time to effectively cover the project's numerous facets while also ensuring that the solution is implemented properly. This schedule will also guarantee that I can convey my results to my stakeholders promptly and that I can provide them a thorough report.

## References

- Dwivedi, Y. K., Hughes, L., Baabdullah, A. M., Ribeiro-Navarrete, S., Giannakis, M., Al-Debei, M. M., ... & Wamba, S. F. (2022). Metaverse beyond the hype: Multidisciplinary perspectives on emerging challenges, opportunities, and agenda for research, practice and policy. *International Journal of Information Management*, 66, 102542.
- Mirick, R. G., & Wladkowski, S. P. (2019). Skype in qualitative interviews: Participant and researcher perspectives. *The Qualitative Report*, 24(12), 3061-3072.
- Naim, A. (2021). Green Information Technologies in Business Operations. *Periodica Journal of Modern Philosophy, Social Sciences and Humanities*, 1, 36-49.