**New Server Rollout**

Lauren Alexandra

Colorado State University Global

CSC 501: Management for the Computer Science Professional

Dr. Charles Lively

April 23, 2021

**Introduction**

Our company will be deploying new servers on our network. The core business, sales, research and development teams will receive the servers. Communication across these teams will be central to navigating the transition. Approximately 70% of our revenue is generated with our current servers and thus, ensuring a smooth update is a key priority for this endeavor.

**Communication**

Answer: As a project manager, discuss the possible issues arising from opposing motivations within the organization. - discuss here again the role of project manager in balancing competing project goals and **alignment** through communication cite the text. (Project Management Institute, 2017).

discuss alignment then alignment through communication.

Communications management plan 10.1.3.1

Stakeholder engagement plan 13.2.3.1

Resource management plan 9.1.3.1

**Balanced Leadership**

The scale of this project will require one or more leads on each team to commit to the project execution in the form of horizontal leadership (Yu et al., 2018). Team ownership of the server migration process as well as providing status updates to the project manager is crucial to successful task completion. A more balanced approach to leadership will enable the project manager to designate a team leader accountable for carrying out the migration within the agreed time and resource project constraints (Drouin et al., 2018).

**Deployment**

Answer: What sort of leadership strategy would you employ to ensure the successful completion of this rollout? - describe how you would manage see above Discuss methods that would allow this rollout to be successful *without impacting the systems or the individuals* working on them.

-WITHOUT IMPACTING can do a blue/green deployment with old servers being backup servers. Blue-green deployment also gives you a rapid way to rollback - if anything goes wrong you switch the router back to your blue environment. There's still the issue of dealing with missed transactions while the green environment was live, but depending on your design you may be able to feed transactions to both environments in such a way as to keep the blue environment as a backup when the green is live. Or you may be able to put the application in read-only mode before cut-over, run it for a while in read-only mode, and then switch it to read-write mode. That may be enough to flush out many outstanding issues.

<https://martinfowler.com/bliki/BlueGreenDeployment.html>

<https://www.redhat.com/en/topics/devops/what-is-blue-green-deployment>

Instead of waiting until midnight to push the update to the production environment (when the least amount of users are active), you’re using a blue green deployment model to update the app during peak use. And you’re going to do it with zero downtime.

. A blue-green deployment allows IT to migrate production to the new servers during normal business hours while minimizing the risk of service going down completely for customers. how it works: write from here <https://blog.christianposta.com/deploy/blue-green-deployments-a-b-testing-and-canary-releases/>

**Conclusion**

Summarize the paper

**References**

Drouin, N., Müller, R., & Sankaran, S. (2018). Balancing Vertical and Horizontal

Leadership in Projects. *International Journal of Managing Projects in Business,*

*11*(4), 986-1006.

Project Management Institute. (2017). *A Guide to the Project Management Body of*

*Knowledge*. Project Management Institute.

Siegel, N. G. (2019). *Engineering Project Management.* John Wiley & Sons Ltd.

Yu, M., Vaagaasar, A. L., Müller, R., Wang, L., & Zhu, F. (2018). Empowerment: the Key

to Horizontal Leadership in Projects. *International Journal of Project*

*Management, 36*(7), 992-1006.

<https://martinfowler.com/bliki/BlueGreenDeployment.html>

<https://www.sciencedirect.com/science/article/abs/pii/S0263786317314205>