Mesusa Corporation Report – Outline & References

Liz Hinz

CSD370-A339: Secure Software Development

Professor Nathan Braun

April 20, 2025

**Mesusa Corporation Report – Outline & References**

1. Introduction
   1. Opening statement to set the tone of the report
   2. Quick summary of the control/configuration management process
   3. Focusing on benefits
2. Explanation of the control/configuration management process
   1. General definition
   2. Benefits of implementing one
      1. Simplify learning
      2. Efficient testing
      3. Achieving scalability and reliability
      4. Reduce costs and risks
   3. Benefits of implementing this particular process in this paper
3. Drawbacks of implementing these processes
   1. Time consuming
   2. Up-front costs
   3. Require delegated tasks
4. General process of the Configuration Management process
   1. Developer assigned roles
   2. Designated configuration manager
   3. Project manager
   4. Auditor
5. How to make this work efficiently
   1. Potential tools that can be used to accomplish these
      1. CFEngine
      2. Otter
      3. CHEF Configuration Tool
   2. Work management plan
      1. Delegate tasks
      2. Checks and balances system
6. Activities are expected to use the process at each phase of the SDLC.
   1. Audits
   2. Creating a management plan
   3. Maintain detailed records
   4. Track task status
7. Conclusion
   1. Summarize points
   2. Retouch on the control/configuration management process as a whole
   3. Concluding statement
8. References

**References**

BasuMallick, C. (2022, October 18). *What Is Configuration Management? Working, Tools, and Importance*. Spiceworks. https://www.spiceworks.com/tech/devops/articles/what-is-configuration-management/

Buchanan, I. (2024). *Configuration management: definition and benefits*. Atlassian. https://www.atlassian.com/microservices/microservices-architecture/configuration-management

Buenning, M. (2025, April 11). *Software Configuration Management | Overview | NinjaOne*. Www.ninjaone.com. https://www.ninjaone.com/blog/software-configuration-management-overview/

CMS. (n.d.). *Configuration Management Processes*. Www.cms.gov. Retrieved April 14, 2025, from https://www.cms.gov/tra/Application\_Development/AD\_0520\_Configuration\_Management\_Processes.htm

Conklin, W. A., & Shoemaker, D. P. (2022). *CSSLP Certified Secure Software Lifecycle Professional: Exam Guide.* McGraw-Hill Education.

Guzzi, B. (2023, November 17). *SDLC vs Change Management Controls: What Auditors Should Know*. Www.auditboard.com. <https://www.auditboard.com/blog/sdlc-vs-change-management-controls/>

IBM. (2024, January 30). *Configuration Management*. Ibm.com. https://www.ibm.com/think/topics/configuration-management