Paul Romer

CSD370

Module 7.3

Change Control/Configuration Management: Outline

Requirements:

Moira Bennie, the CIO at Mesusa Corporation (MeCo), has decided that the organization needs a dedicated change control/configuration management process. She tasked George Everett, the senior developer, to develop a report that provides information on the importance of this type of process as well as a blueprint for setting up the process as soon as possible. George has now passed the task to you.

The report should include the following, at minimum:

* A detailed description of each process and if/how they are related.
* The benefits and drawbacks of having these processes in place.
* A recommendation for what needs to be in place for the process to work efficiently. Adding a team? Using an employee as needed?
* The activities expected to use the process at each phase of the secure development lifecycle.
* A list of resources used in case either Moira or George wants to view where to find supporting information.

This report is due by the end of the course. It should be between 5-7 pages, not counting a cover page and a reference page. If you can find graphics to support elements of the report, include them.

Cover Page

Change Control & Configuration Management: A Blueprint for Mesusa Corporation

Author: Paul Romer

Date:

Outline

1. Introduction
   1. What is change control? (high level)
   2. What is configuration management? (high level)
   3. Why should Mesusa implement change control and configuration management?
2. Change Control
   1. Detailed definition
   2. Process overview
   3. Benefits and drawbacks
   4. Vendor options
3. Configuration Management
   1. Detailed definition
   2. Process overview
   3. Benefits and drawbacks
   4. Vendor options
4. Relationship between change control and configuration management
   1. Change control vs Configuration Management
5. Implementation Recommendation
   1. Organizational requirements
   2. Personnel and team considerations
   3. Tools and automation
6. Change control and configuration management in the SDLC
   1. Plan
   2. Design
   3. Implementation
   4. Testing
   5. Deployment
   6. Maintenance
7. Conclusion

References

1. https://www.atlassian.com/microservices/microservices-architecture/configuration-management-tools
2. https://www.geeksforgeeks.org/project-management-configuration-management-and-change-control/
3. https://www.axelos.com/certifications/itil-service-management
4. https://csrc.nist.gov/pubs/sp/800/128/upd1/final
5. <https://linfordco.com/blog/change-control-management/>
6. https://aws.amazon.com/what-is/sdlc/#:~:text=The%20software%20development%20lifecycle%20(SDLC,expectations%20during%20production%20and%20beyond.