
Much ado about Everything: The Configuration Management Story

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Abstract

200 words of text here about how awesome this is

1 Introduction

Configuration Management (CM) has helped many organisations across the globe manage the development and maintenance of complicated systems. However, the influence of CM does not stop in the office. The techniques used to incorporate the CM principles into a project have seeped out into every day life. In a similar manner, CM has taken many every day organisational techniques to heart.

In this paper we will look at where CM originated from and how it has evolved to be relevant in the industries of today (see Section 2). Then we will look how the principles of CM (see Section 3) are used both in the office and at the home (see Section 4). Before performing a critical analysis on the benefits gained from incorporating CM into a project or personal life, to try to justify the costs associated with that incorporation (see Section 5).

1.1 Defining Configuration Management (CM)

Before we continue to answer the questions outlined in Section 1, we should have an understanding of what the modern definition of CM is.

According to the *Association of Project Management (APM)*:

“Configuration Management encompasses the administrative activities concerned with the creation, maintenance, controlled change and quality control of the scope of work.” (Association for Project Management (2017))

Expanding upon this definition; CM is a collection of principles, techniques and characteristics that aim to control the execution of a project. This allows for the Project Manager to ensure that all work regarding the project is of a high quality by deploying CM techniques, ensuring that short-term targets and long-term goals are achieved.

2 History of CM

In this section we will take a brief look at where CM came from and why it was created (see Section 2.1), and how CM spread across the globe (see Section 2.2). Finally we will learn how the CM has evolved to remain relevant in the IT industry, and what standards have emerged as a result.

2.1 Origins

The origins of CM can be traced back to the U.S. Department of Defence (DoD), where the need for universal hardware standards was required in order to make maintenance of the equipment manageable. It was not until the 1960s that CM became a technical discipline of its own, when the DoD released a series of military standards known as the “480 series” (Perry (1994))

2.2 Adoption into Industry

2.3 Software Configuration Management (SCM)

3 Principles of CM/SCM

4 Using CM

4.1 In the Office

4.2 At Home

5 Embracing CM

5.1 Benefits of CM

5.2 Costs

6 Conclusion

References

Association for Project Management (2017). Configuration management.

Perry, W. J. (1994). Specification & standards: A new way of doing business.