

# Version Control System

(Introduction to Git)

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## Abstract

*Version control has been an essential aspect of any software development project since early 1980s. In the recent years, however, we see version control as a common feature embedded in many collaborative based software packages; such as word processors, spreadsheets and wikis. In this paper, we explain the common structure of version control systems, provide historical information on their development, and identify future improvements.*

## I. SYNOPSIS

**T**his chapter will be about getting started with VCS using Git. We will begin by explaining some background on version control tools, then move on to how to get Git running on our system and finally how to get it set up to start working with. At the end of this report we should understand why Git is around, why you should use it and we should be all set up to do so.

## II. INTRODUCTION

**W**hat is "version control", and why should we care? Version control is a system that records changes to a file or set of files over time so that we can recall specific versions later.

If a graphic or web designer wants to keep every version of an image or layout (which he/she would most certainly want to), a Version Control System (VCS) is a very wise thing to use. It allows us to revert files back to a previous state, revert the entire project back to a previous state, compare changes over time,

see who last modified something that might be causing a problem, who introduced an issue and when, and more. Using a VCS also generally means that if we screw things up or lose files, we can easily recover. In addition, we get all this for very little overhead.

## III. METHODS

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#### IV. RESULTS

**Table 1:** *Example table*

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First name	Last Name	Grade
John	Doe	7.5
Richard	Miles	2

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#### V. DISCUSSION

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##### II. Subsection Two

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#### REFERENCES

- [Figueredo and Wolf, 2009] Figueredo, A. J. and Wolf, P. S. A. (2009). Assortative pairing and life history strategy - a cross-cultural study. *Human Nature*, 20:317–330.