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Introduction

With the use of the client-server model, SVN or Subversion is an open-source version control system (VCS) which has support for managing source code for multiple users. The system maintains current and historical versioning for files. However, after the usage of SVN for some time, the company has decided to migrate to a source code management system. The company requires that this new version control system be able to manage versioning for at least 10 users. In addition to this, the new version control system must be implemented by Python and Java wrappers. SVN can manage multiple users but it is not implemented by Java and Python wrappers. The company has decided that the new source code management system should be Git. Git is implement by several Python and Java wrappers, namely PyGit and JGit. In addition to this, Git can manage versioning for greater than 10 users at a time. To secure the transition from SVN to Git, the company has tested the performance of using Git when compared to SVN for the purposes of managing company files. This paper describes the improved usability and performance gains for the company after the migration from SVN to Git.