

Compare for Yourself Plastic SCM vs Subversion

Plastic SCM vs Subversion

By design, Plastic SCM speeds and secures software development, supporting Agile and Parallel methodologies in both local and distributed environments. For development teams of five or 500 members, comprising developers, partners and vendors, Plastic SCM is a robust and affordable Software Control & Configuration Management system, delivering enterprise-class functionality to maximize collaboration efficiency throughout the software development lifecycle. Subversion is an open-source tool that provides basic version control features for small teams with limited needs. Subversion does not provide the necessary functionality to handle the Software Configuration Management requirements of medium and large development teams. By comparison, Plastic SCM is the next generation SCCM system which helps development teams develop code faster, discover problems sooner, deliver higher quality and distribute product rapidly.

Parallel Development (Branching and Merging)

- Plastic SCM is designed for efficient and stable branching and merging with the innovative and patented XMerge and XDiff technology. Plastic SCM branches are first class objects; branching is simple and effective. The Plastic SCM GUI makes branch management easy and provides increased productivity for Parallel development with innovative branch Inheritance technology, the Branch Explorer and the unique 3D version tree.
- Subversion does not support complex Parallel development, which in today's development environment, is important for companies of all sizes. Subversion does not provide any merge traceability, resulting in time wasted by developers attempting to address the complexities of code integrations.

True Distributed Development

- Plastic SCM was designed to operate easily and efficiently in the demanding Distributed environments on laptops, desktops, on the go and in virtual offices or across geographically dispersed sites. Replicating a branch or a repository is simple point and click activity. Plastic SCM is not tied to a centralized client-server working model - teams have full write access to distributed repositories based upon permissions, allowing changes to be bi-directionally synchronized and reconciled. Developers can also work offline with full use of features and functionality, anytime anywhere. Of course, if a Proxy-based setup is required, Plastic SCM also supports this configuration choice.
- Subversion does not support Distributed development.

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Visualization

- Plastic SCM redefined traditional file history visualization with the Plastic SCM 3D version tree. Visualization is a centerpiece in Plastic SCM. For example, using Plastic SCM's branch explorer, users can perform every action graphically.
- Subversion requires third party add-ons, which are separately maintained projects, to provide a limited set of visualization tools.

Refactoring Support

- Plastic SCM supports powerful refactoring via an intelligent feature set which includes rename/move support and directory versioning. Individual files and directories are referenced by unique GUID's, allowing files to be deleted, renamed or moved, and adding a new file with the same name as a move or a deletion seamlessly.
- Subversion's Inaccurate management of moved, renamed and added files when integrating branches of code results in increased downtime, integration errors and reduced product quality.

Analysis & Reports

- Plastic SCM includes a comprehensive query tool which can be automated through the command line interface and supports the most widely used standards such as SQL syntax and XML. Additionally, Plastic SCM runs on all popular database backends including: MySQL, SQL Server, Oracle and Firebird, which provide additional reporting and data-mining capabilities.
- Subversion does not have a query interface.

Installation, Maintenance & Security

- Plastic SCM seamlessly integrates with Active Directory, LDAP or NIS and includes the required configuration by default. Plastic SCM is built around Access Control Lists for every object. Just a few clicks allow administrators or project managers to finely tune security rights.
- Subversion requires manual configuration in order to use authentication against Active Directory or LDAP. Permissions are limited to read/write.

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Cost

- Plastic SCM offers a range of per-user and site license options that are affordable and flexible. There are minimal administration costs and a low annual maintenance fee.
- While Subversion has no license fee, real life case studies have shown that the cost to administer and maintain Subversion exceeds the license and administrations costs of Plastic SCM. Support is difficult as there is no commercial entity maintaining and supporting the product.

Evolution

- Plastic SCM is the next generation SCCM product. It is used by thousands of developers worldwide whose feedback is monitored for new features and functionality to meet their changing needs. Plastic SCM evolves in tune with the market offering new features releases quarterly.
- As a non-commercial tool, Subversion is not professionally maintained, updated or supported to optimize product growth and productive usage.

***Plastic SCM is the next generation SCM system which allows development teams to:
Develop code faster • Discover problems sooner • Deliver higher quality • Distribute product rapidly.***

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