VERSION CONTROL TOOLS

1. Git:

Super fast and efficient.

Easily maintainable and robust.

Cross platform support.

Code changes can be very easily and clearly tracked.

It’s an open source tool.

Complex and bigger history log becomes difficult to understand.

2. CVS:

Very old, well known and understood tool.

Client-server repository model.

Excellent cross platform support.

Robust.

Poor support for distributed source control.

Doesn’t support atomic check-outs and commits.

3. SVN:

Supports atomic commits.

Easy to set up and administer.

Have better support to windows than git.

Supports empty directories.

Doesn’t store modification time of the files.

Doesn’t deal with the normalization of the file names.

4. Mercurial:

It is a distributed revision control tool.

High performance and scalability.

Easy to learn.

Fast and powerful.

Fully distributed collaborative development.

Decentralized.

Conceptually simple.

All the add-ons must be written in python.

Partial check-outs not allowed.

5. Monotone:

Written in c++,is an distributed revision control tool.

Provides good support for internationalization and localisation.

Focuses on integrity over performance.

Can import CVS files.

Requires very low maintenance.

Easy to learn.

Portable design.

Good documentation.

Stable GUI.

Can’t commit or checkout from behind the proxy(due to a non-HTTP protocol).

6. Bazaar:

Provides cross platform support.

It has commands similar to CVS and SVN.

It allows you to be working with or without central server.

Directories tracking is supported well in Bazaar (this feature is not there in tools like git and mercurial).

It’s plugin system is fairly easy to use.

High storage efficiency and speed.

Doesn’t provide timestamp conservation.

Doesn’t support partial checkout/clone.