

# Firefly

## Software Configuration Management System

**HANSKY**  
Help Better Software



### Firefly can help you:

- Achieve full-scale, collaborative enterprise product development
- Manage digital assets with efficiency and security
- Make SCM easier than ever

Software Configuration Management (SCM) is the practice of managing software changes in different stages of its life cycle. SCM systematically manages multiple versions of the product, efficiently control the development process, and comprehensively record the history and track all changes in the development. SCM protects codes and digital assets, enhances software reuse, and speeds return on investment.

Hansky Firefly is a full-fledged, safe, and fast SCM system. It is pure Client/Server based and does not depend on any special network file system.

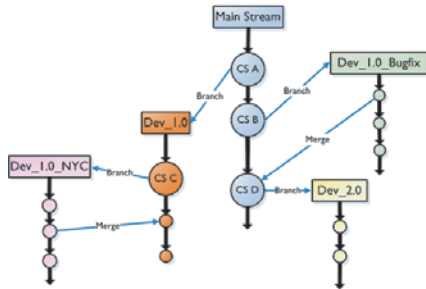
Hansky Firefly is one of many products available in Hansky Software Development Management (SDM) family. It increases software development's efficiency, collaboration and quality. Furthermore, Hansky Firefly is flexible and can manage projects from individual level up to full-scale development teams.

## Achieve Full-scale, Collaborative Enterprise Product Development

*Firefly supports projects from individual level up to full-scale, enterprise development teams. It can easily cover parallel and concurrent development needs plus strong scalability and security.*

### ● Powerful Parallel and Concurrent Development

Because of the advanced branching technology and practices it implements, parallel development is a breath with Firefly. Different streams in Firefly are separate entities and changes done on them will be isolated until explicit merge command is executed. Meanwhile, branch merge is easier than ever in Firefly. Flexstream makes branching best practice and SCM Patterns implementation easy and straightforward. Firefly also supports file-level concurrent development (multiple-checkout).



### ● Portability

Firefly is portable. It is implemented using Java and works with the majority of operating systems: Windows 9X/2K, Windows XP, Windows 2003, Linux, all major Unix distributions: FreeBSD, SCO Unixware, SCO OpenServer, IBM AIX, HP-UX, SGI/IRIX, Compaq Tru64, OS/400, etc. Firefly also offers a global option to help you convert the EOL character on different platforms. The option provides conversion between: Windows, Unix and Mac.

### ● Security

Firefly deploys a server/client, N-tier structure. It

does not need any special network system to work thus making the back-end repository transparent to users.

### ● Remote & Distributed Development



Firefly gives you the power of software configuration management wherever you are. Firefly supports geographically distributed development environment with its TCP/IP based client/server structure. It doesn't matter whether your teammate is sitting across the room or across the ocean.

In fact, Firefly goes beyond that. It supports distributed development TEAMS. With Firefly ServerSync module, you can have multiple development teams and servers all over the globe and you will still feel like you are working in adjacent rooms.

### ● Strong Scalability

Because of its outstanding infrastructure, Firefly has strong scalability. It does not matter whether it's a single programmer writing a Notepad replacement or a development team in the thousands spanning all over the globe, Firefly will satisfy your SCM needs.

## Manage Digital Assets With Efficiency And Security

*With its advanced access control mechanism, complete history record, and convenient user interfaces, Firefly can help you managing digital assets all the time and protect your documents, codes, and test cases from any unwanted changes.*

## ● Access Control

Authorization in Firefly is double-layered. The first is the branch ACL. Each branch can be set to allow certain user or user group to execute certain or all operations on it. Such operations include bringover, submit, create label, create local workspace and so on.

And file/folder level access control is the other frontier. Firefly supports access control in 3 levels: branch, folder, and file. You can set ACL for a folder and all sub-folders, then files by default will inherit the ACL setting from their parent folder. Also you can set individual files/folders to allow access by certain user/group.

## ● Digital Assets Visiting

Firefly offers four types of user interface to help you

visiting your digital assets. Java and .Net GUI offers user friendliness; Command Line interface offers the power and flexibility; Web UI offers the convenience of being able to connect remotely; integration with many IDEs offers diversity and the ability to work in the tool of your choice.

## ● Complete History

Firefly keeps a comprehensive and complete history of its controlled assets. Any action done on such assets will be recorded. Aside from the usual recorded history items by legacy version control tools, Firefly also provides true support for Rename, Move, Delete and Undelete. Move and Rename in Firefly is not a delete and create process. The moved/renamed file retains its history instead starts anew. And as a result, Firefly handles Refactoring with ease.

## Make SCM Easier Than Ever

*Being a powerful SCM tool, Firefly can not only help you doing basic SCM, it also offers many easy-to-use features that would help you get what you want quickly and painlessly.*

## ● Changeset

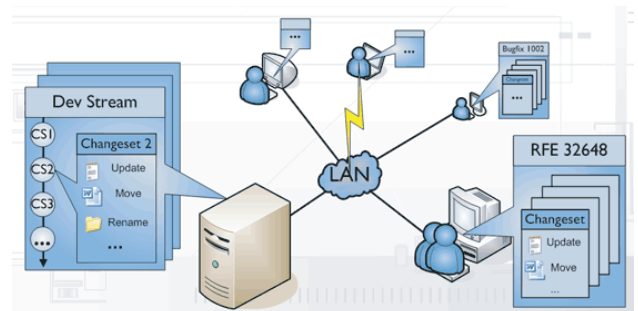
With changeset in Firefly, you can put files related to the same task into one changeset and give it a meaningful name; use multiple changesets for multiple tasks; look up related history such which files were associated certain changeset, what changes were done by whom at what time, etc; undo changes by changeset; and much more.

## ● Task-Oriented Operation

Firefly implements a task-oriented work model through changeset. It helps you to better organize your local workspace. Your daily operations will no longer be file based but task based, which is much more human-behavior like and helps to increase efficiency.

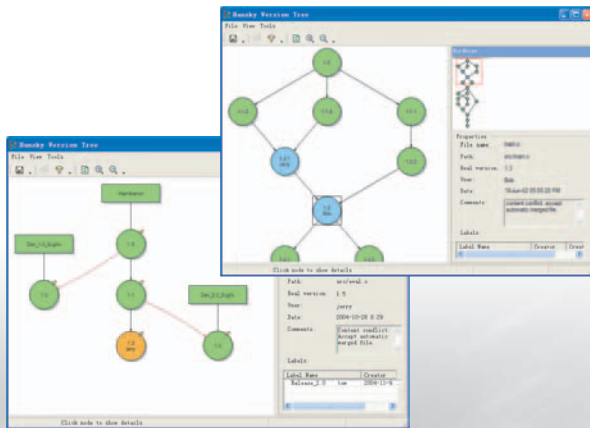
A task, an item in a Change Request system, could

be a request for bug fix, feature enhancement, design requirement or document update. If you have a CR system, you can associate your CR items with changeset. The relationship between changeset and CR item is multiple-to-multiple.



## ● Graphical Version Tree

Firefly provides a graphical version tree to intuitive display file versions. It is able to display file versions in two modes: file complete versions and file versions by development streams.



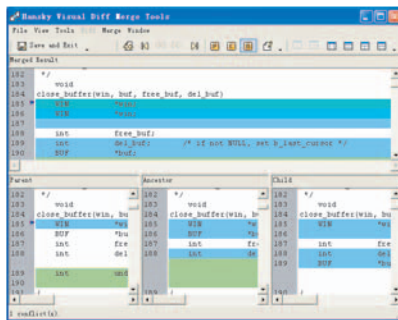
## ● IDE Integration

Firefly offers integration with almost all major IDEs, includes:

Microsoft Visual Studio, Microsoft Visual Studio .NET, Borland C++ Builder (through SourceConneXion), Borland Dephi (through SourceConneXion), Borland Jbuilder, IBM WebSphere Application Developer, IBM Visual Age for Java, Eclipse, Sybase PowerBuilder, and BEA WebLogic Workshop, etc.

If your IDE isn't listed here but supports Microsoft SCC then Firefly can be integrated with your IDE.

## ● VDM



Firefly can intelligently resolve most of the conflicts, but when the unfortunate occurs and you have to

step in, Hansky Visual Diff-Merge is here to help. Hansky VDM is a graphical compare and conflict resolve tool integrated into Firefly. It supports compare and 3-way merge. If you have a better third party merge tool, you can integrate it with Firefly as well.

## ● Comprehensive Report

Firefly offers the ability to generate reports. You can easily to see which files (versions) are contained in a release, and which changes are made to a branch in a specific time span.

## System Requirements

### ● Firefly Server

OS

Windows 2000, Windows XP, Windows 2003

Linux Redhat 7.2+

Solaris 2.8+

AIX 5.1

HP-UX 11.11

Misc

JDK 1.4.2+

### ● Firefly Client

OS

Windows 98, Windows 2000

Windows XP, Windows 2003

Linux RedHat 7.2+

Solaris 2.8+

Solaris X86 2.6+

HP-UX 11.11

IBM AIX 5.1

IRIX 6.5

SCO UnixWare

SCO Open Server 5.0.5+

OS/400

Other Unix Variations

Misc

JDK 1.4.2+

.NET Framework 1.1

.NET Redistributable 1.1