BitKeeper and Visual Source Safe Feature Comparison

Feature	BK/Pro	VSS	Benefit
Atomic ChangeSets	**Yes**	**No**	• Every change is a reproducible snap shot • Aids in debugging and release management
Graphical checkin tool	**Yes**	**Limited**	• Graphical tool for file and changeset checkins which promotes more useful comments to speed up development processes and debugging
Dynamic branching	**Yes**	**No**	• Any workspace can be turned into a branch • Advanced planning for branching is not needed
Pro Merge Technology	**Yes**	**No**	• Most accurate automerge available • Only merge each change once
Accurate handling of renames	**Always**	**No**	• Increased productivity through a well organized source base
Peer to peer architecture	**Yes**	**No**	• Supports any workflow for enhanced quality control • Supports the rapid open source style of development
Complete local history	**Yes**	**No**	• Your developers can keep working even when your server or network doesn't • Inherent reliability through replication
True parallel development	**Yes**	**No**	• Enhanced productivity • Faster time to market
Multi-site development	**True**	**No**	• BitKeeper provides 100% functionality and productivity at all distributed sites
Mobile/Off-network functionality	**Yes**	**No**	• Increased development productivity by allowing your developers to work while travelling, while at remote locations, while at customer sites, or without a network
Pre-event triggers	**Yes**	**No**	• Ability to qualify events prior to changes which enhances compliance to your development policies
Post-event triggers	**Yes**	**No**	• Supports notification of events and automated secondary operations which provides easier process management
Replicated repositories	**Yes**	**No**	• Provides enhanced reliability along with the ability to perform transparent, automatic backups
Automatic integrity checks	**Yes**	**No**	• Detects corruptions indicating potential hardware and software problems saving time and money associated with unplanned downtime
Accurate recording of all history	**Yes**	**No**	• Accountability: Easy to find Who did What When • Provides a complete picture of your parallel development • Speeds of debugging process
Minimal Administration	**Yes**	**Varies**	• Head count can be used for development rather than taking care of the SCM system
Minimal hardware requirements	**Yes**	**Varies**	• No need to purchase additional hardware • No requirement for large, expensive server