

BitKeeper and CVS Feature Comparison

Feature	BK/Pro	CVS	Benefit
Atomic ChangeSets	Yes	No	<ul style="list-style-type: none"> • Every change is a reproducible snap shot • Aids in debugging and release management
Graphical checkin tool	Yes	No	<ul style="list-style-type: none"> • Graphical tool for file and changeset checkins which promotes more useful comments to speed up development processes and debugging
Dynamic branching	Yes	No	<ul style="list-style-type: none"> • Any workspace can be turned into a branch • Advanced planning for branching is not needed
Pro Merge Technology	Yes	No	<ul style="list-style-type: none"> • Most accurate automerge available • Only merge each change once
Accurate handling of renames	Always	No	<ul style="list-style-type: none"> • Increased productivity through a well organized source base
Peer to peer architecture	Yes	No	<ul style="list-style-type: none"> • Supports any workflow for enhanced quality control • Supports the rapid open source style of development
Complete local history	Yes	No	<ul style="list-style-type: none"> • Your developers can keep working even when your server or network doesn't • Inherent reliability through replication
True parallel development	Yes	No	<ul style="list-style-type: none"> • Enhanced productivity • Faster time to market
Multi-site development	True	No	<ul style="list-style-type: none"> • BitKeeper provides 100% functionality and productivity at all distributed sites
Mobile/Off-network functionality	Yes	No	<ul style="list-style-type: none"> • 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	Extensive	Weak	<ul style="list-style-type: none"> • Ability to qualify events prior to changes which enhances compliance to your development policies
Post-event triggers	Yes	Weak	<ul style="list-style-type: none"> • Supports notification of events and automated secondary operations which provides easier process management
Replicated repositories	Yes	No	<ul style="list-style-type: none"> • Provides enhanced reliability along with the ability to perform transparent, automatic backups
Automatic integrity checks	Yes	No	<ul style="list-style-type: none"> • Detects corruptions indicating potential hardware and software problems saving time and money associated with unplanned downtime
Accurate recording of all history	Yes	No	<ul style="list-style-type: none"> • Accountability: Easy to find Who did What When • Provides a complete picture of your parallel development • Speeds of debugging process
Minimal Administration	Yes	Varies	<ul style="list-style-type: none"> • Head count can be used for development rather than taking care of the SCM system
Minimal hardware requirements	Yes	Varies	<ul style="list-style-type: none"> • No need to purchase additional hardware • No requirement for large, expensive server