

# **Borland<sup>®</sup> StarTeam<sup>®</sup> 2006**

**What's New**

**Borland<sup>®</sup>**

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## What's New

This section provides an overview of the new features found in this release for the StarTeam Server, the StarTeam Cross-Platform Client, and the StarTeam SDK.

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## New Common Features in StarTeam

This topic describes the new features that are common across the servers, clients, and SDK in this release.

This release follows StarTeam 2005 Release 2. The internal name is StarTeam 9.0 and you may see 9.0 or 90 in registry keys, build numbers, and some file names.

After installing this release, you must upgrade each server configuration. Be sure to read the StarTeam Installation Guide before installing and upgrading StarTeam products.

Common new features and changes in this release are as follows:

- ◆ Atomic Check-ins
- ◆ Support for Large Files
- ◆ New File/Folder Compare/Merge Tool
- ◆ Support for VMware ESX Server
- ◆ Addition of the `$History$` Keyword
- ◆ StarTeamMPX Message Broker, Multicast Service, and Event Transmitter Enabled with Enterprise Licenses

### Atomic Check-ins

The atomic check-ins feature provides the ability to have groups of items updated all at the same time.

**Note:** View Compare/Merge does not use atomic check-ins.

Atomic check-in applies to files that you are checking in, and if used, process items associated with those files. Should any portion of the group fail to be committed, the entire group fails. That is, none of the files are checked in and the status field for any associated process items is not changed to fixed. For example, suppose User A selects to check in all modified files in a StarTeam folder, but one of the selected files is locked by User B. With the new atomic check-in feature, none of the files are checked in (and none of the process items are updated as fixed) and User A is notified that none of the files were checked in because one of the files was locked by User B.

### Support for Large Files

StarTeam now supports files larger than 2 GB. With the exception of StarTeam Web Edition, the StarTeam SDK, StarTeam Server, and most clients have been updated to support large files

**Note:** If you plan on taking advantage of large file support, you should upgrade all users to a StarTeam client. Large file sizes are not compatible with older StarTeam applications.

### New File/Folder Compare/Merge Tool

The tools for comparing and merging files and folders, Visual Diff and Visual Merge, have been replaced in this release with File Compare/Merge.

The new tool launches by default from the Cross-Platform Client.

### Support for VMware ESX Server

You can now run StarTeam Server 2005 R2 and subsequent releases on VMware ESX Server.











opens an additional copy of the view so that it does not disturb anything that may have already been set up within that view.

## Addition of the Folder Tab to the Upper Pane

A Folder component tab has been added to the Upper pane for this release. By default, the Folder tab precedes the Audit tab in the Cross-Platform Client. You can change the order of the component tab or hide component tabs using the **Personal Options** dialog. You can also use the Lower panes (Detail, History, Label, and so on) with the new Folder tab. With the Folder tab in focus, the **Folder** main menu displays enabling many of the same menu commands that you would use when working with files, change requests, requirements, and so on.

**Note:** The left pane displays the folder hierarchy for the current view of the current project. You can now access menu commands for the folder hierarchy from the **Folder Tree** menu. In previous releases, StarTeam surfaced the menu commands for the folder hierarchy with the **Folder** menu.

## Alphabetical Sorting for Labels

You can now sort labels in the Cross-Platform Client alphabetically in descending or ascending order by the column name in the **Attach a Label** and **Detach a Label** dialog boxes. The **Attach a Label** and **Detach a Label** dialog boxes provide the following columns, all sortable for both view and revision labels:

- ◆ Name
- ◆ Description
- ◆ Time
- ◆ Creation On
- ◆ Created By

In the **Attach a Label** and **Detach a Label** dialog boxes, you can click the column headings and drag them to reorder their locations within the dialog box. The sorting and repositioning selections for the columns that you choose in the **Attach a Label** and **Detach a Label** dialog boxes do not persist between sessions.

## New Features for the Bulk Check-out Utility

For this release, the Bulk Check-out utility (BCO) provides the following new features:

- ◆ Keyword expansion is only performed on non-binary files that match the keyword extension list in the project.
- ◆ Implementation of the `$History$` keyword. All clients support this keyword for both Cache Agent and non-Cache Agent checkouts. Since all clients support keyword expansion with the new `$History$` keyword for Cache Agent-based check-outs, Borland recommends the use of the `$History$` keyword over the `$Log$` keyword and its variants.
- ◆ During Cache Agent check-outs, all clients expand all keywords except for the "Log" variants: `$Log$`, `$Log [x]$`, `$LogUTC$`, and `$LogUTC [x]$`. If any of the "Log" keywords are found in a file during keyword expansion of a check-out via Cache Agent, a warning displays for that file.
- ◆ BCO now returns the same error codes as the StarTeam command line utility (`stcmd`). Namely, value `0` is returned for success, `1` is returned for connection or other major errors, `101` is returned if some filename patterns were not matched, and `102` is returned if no filename patterns were matched.
- ◆ BCO processes `-p` parameters in which the user, password, project, view, or folder names contain %-escaped codes. For example, BCO now interprets a folder named `"Program%20Files"` as `"Program Files"`. In previous releases, BCO only processed %-escaped characters in view names.

- ◆ When checking-out files from StarTeam Server, BCO supports large files (> 2GB).

Additionally, BCO supports a new option (`-cwf`) to create working folders even when you do not specify any files to check-out.

## Other New Features

In addition to the features outlined above, the Cross-Platform Client also provides the following:

- ◆ By default, the view property **Branch on Change** is enabled for newly-created projects.
- ◆ Improved label management in rolled back views enables users to detach or attach labels from items.





- ◆ DNs (distinguished names) are now correctly imported into the StarTeam server; Borland LDAP QuickStart Manager no longer removes a space from the name and users no longer need to reinsert a space in the DN.
- ◆ The installation process now downloads all necessary SDK and Java files without user intervention.
- ◆ You can now set up users so that their password is validated through Borland LDAP QuickStart Manager using the new validation settings in the Default Import Options (or the Advanced Options in the Import Users Wizard).
- ◆ User DNs imported into CaliberRM server now include user-level properties consistent with the StarTeam server DN import.



