

# AccuRev® Quick Reference

## Introduction

AccuRev is a powerful software configuration management tool for achieving versioned source control and integrated code development. Developers can work both independently and as a team to create applications while relying on a consistent, progressive code base.

## AccuRev Components

AccuRev components permit developers to work privately, share code, develop code serially, lock files if necessary, and protect a code base. The basic AccuRev components are:

**Workspace** - Private developer work area.

**Stream** - Configuration of related elements. Code may be promoted into or inherited from streams.

**Depot** - Main repository on a server for all related source code.

**Snapshot** - Static (protected) stream that cannot be moved, renamed, or altered.

## Developer Commands

The AccuRev process is designed to support the intuitive method that developers use for creating, backing up, sharing, updating, and preserving code.

The basic developer commands are:

**Add** - Places the initial version of a file on the AccuRev server.

**Keep** - Places subsequent versions of a file on the AccuRev server where it remains private.

**Promote** - Moves code into an AccuRev parent stream where it is accessible to others.

**Update Preview** - Lists the files that will be updated with the Update command.

**Update** - Retrieves all newer versions of a file from the stream that is above it in the project hierarchy. (Use to update stale files.)

**Populate** - Restores a file that is missing from the workspace by copying it from the parent stream. (Use to populate a workspace with missing files.)

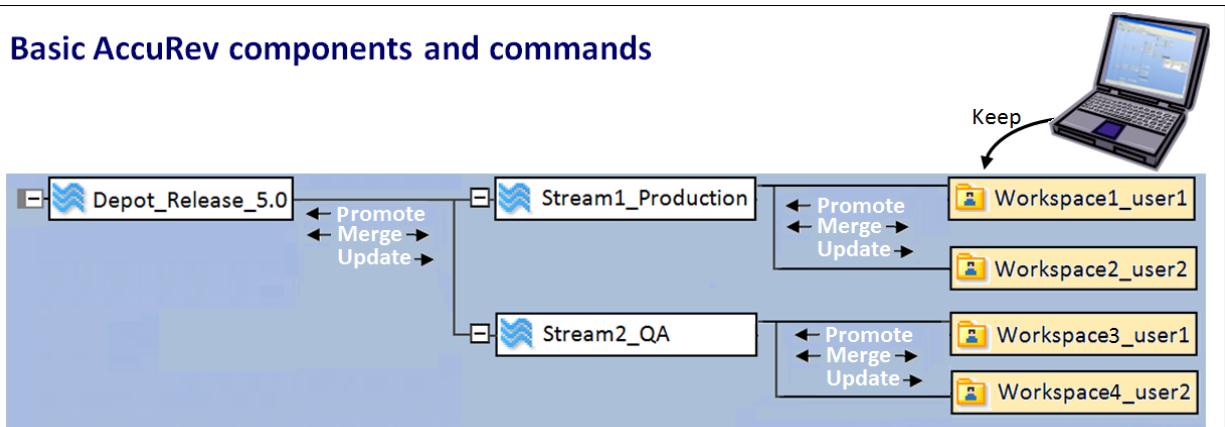
**Merge** - Allows a developer to resolve differences between a workspace version and a stream version of a file.

**Anchor** - Prevents a modified file in your workspace from being updated.

**Defunct** - Removes a file or directory from your workspace. Removes promoted elements from other people's workspaces when they Update.

**Purge** - Reverts a file on your workspace to the backed version in the stream.

## Basic AccuRev components and commands



## File Statuses and Filters

AccuRev informs developers about the state of any file with statuses and search filters. The most common statuses and filters are:

**External** - The file exists on the local computer but has not yet been placed under AccuRev control.

**Kept** - The file has been saved to the AccuRev server but is still private in the developer's workspace.

**Backed** - The file has been promoted to the parent stream.

**Modified** - The version of the file in the developer's workspace is newer than the version in the parent stream.

**Overlap** - The version of the file in the parent stream has been modified and the file in the developer's workspace has also been modified.

**Underlap** - The version in the parent stream already contains the workspace changes, but is not the ancestor of the file. Resolve with Revert to Backed, Merge, or Purge command.

**Pending** - The file in a workspace has a status of kept or modified.

**Member** - The file has been promoted and is a member of a stream's active files.


**Stale** - The version of the file in the parent stream has been modified and the version in the developer's workspace has not been modified.

**Default Group** - Files that are known as "active files," which are files that can be worked on within a workspace.


**Stranded** - Files that are not referenced by any directory in the stream of which they are a member. May indicate presence of **twins** - two or more elements that have the same pathname.


## Browsers

Browsers provide alternative views of the AccuRev configuration of files:

**StreamBrowser™** () - Displays all the streams and workspaces in the current depot, showing the parent/child (hierarchical) relationships. You can also reparent streams and workspaces using drag and drop.

**File Browser** - Displays the files and folders within a workspace or stream. With File Browser, you can view lists of files and folders, monitor their statuses, search for files, and open the files to edit their contents.

**History Browser** () - Displays (1) the transactions involving a particular workspace, stream, or depot, (2) the active transactions of a particular stream, or (3) a single transaction or a specified group of transactions.

**Version Browser** () - Displays ancestry information for each element, indicating how each version was created.

## Include/Exclude Rules

Include/Exclude rules allow you to create a subset of the files from a depot in your workspace and perform actions exclusively on that subset. To work in Include/Exclude mode, open the File Browser and check the Include/Exclude mode box.

Include/Exclude Mode

The following commands are available:



**Include (Incl)** - Make the selected file or directory appear in the workspace or stream, including the subtrees below a directory. Use this command to include directories and all subdirectories and files.



**Include Directory Only (Incldo)** - Display the selected directories in the workspace or stream, but not any of the files within the directory. Use this command to include specific files and directories that are in a depot's hierarchy, without including other unwanted files or directories.



**Include from Stream** - Identifies a stream to be used for inheritance. Use this command to cause elements to inherit versions from the stream you specify, instead of inheriting versions from the backing stream.



**Exclude** - Exclude the selected file or directory from the workspace or stream. Use this command to include directories and all subdirectories and files, excluding those specified.