

# AccuRev® Command Line Interface

## Quick Reference

The AccuRev Command Line Interface (CLI) allows you to quickly perform AccuRev commands while at the Windows DOS prompt or a UNIX/Linux command shell. You can also use the CLI within a shell script, batch file, or scripting language.

### Command Format

All AccuRev commands have the following format:

```
> accurev <command name> <options and arguments>
```

For example, the following command adds a new file to the AccuRev server with a comment.

```
> accurev add -c "adding new file" file1.txt
```

To view information, including format and options, for any AccuRev command, type:

```
> accurev Help <command name>
```

For example: **> accurev Help add**

To view alternate levels of Help, add options:

-s or -u -- Short: Displays command name, summary description, and syntax.

-v -- Verbose: Displays all information.

For example: **> accurev Help add -v**

### General Commands

**help** - Displays help for all AccuRev CLI commands.

**login** - Logs into an AccuRev server.

**logout** - Logs out from an AccuRev server.

### Developer Commands

**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.

**update** - Retrieves all newer versions of a file from the stream that is above it.

**promote** - Moves a file into an AccuRev parent stream where it is accessible to others.

**diff** - Compares two versions of a file.

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

**anchor** - Makes a file "active" so that it cannot be overwritten by another version of the file during an update.

**co** - Same as "anchor" except that it allows checking out older versions and overwriting the file in your workspace with those versions.

**defunct** - Removes an element from a particular workspace. The element remains visible in other streams and workspaces.

**undefunct** - Restores a previously removed element to a stream.

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

**revert** - Undo a promote or purge transaction.

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

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

**touch** - Updates the timestamp of a file.

### Release Engineering Commands

**mkws** - Creates a new workspace.

**chws** - Changes the name, location, or definition of a workspace.

**rmws** - Deactivates a workspace.

**move** - Moves or renames elements.

**lock** - Locks a stream against promotions.

**unlock** - Unlocks a stream to enable promotions.

**patch** - Incorporates a set of changes from another workspace into the version within a workspace.

**reactivate** - Restores a reference tree, stream, user, or workspace to active service.

**chstream** - Changes the name, basis time, or backing stream of a stream.

**mkstream** - Creates a new stream.

**mksnap** - Creates a new snapshot.

**remove** - Deactivates a workspace, reference tree, stream, user, or group.

## Administrative Commands

**mkdepot** - Creates a new depot.

**mkuser** - Registers a new user name.

**addmember** - Adds one or more members to a group.

**chgroup** - Renames a group.

**chpasswd** - Changes the password of a user.

**chuser** - Renames or relicenses a user.

**ismember** - Checks if a named user is a group member.

**mkgroup** - Creates a new group of users.

**rmmember** - Removes a user from a group.

**secinfo** - Shows a user's authorization level.

**setpref** - Sets one or more user preferences.

**backup** - Backs up the AccuRev metadata.

**chslice** - Changes the location of a depot as stored in the schema of the AccuRev database.

**eacl** - Configures element access control list security.

## Informative Commands

**files** - Lists the files in a workspace or a directory.

**hist** - Shows the transaction history of elements or an entire depot.

**info** - Shows basic information about the current session.

**show users** - Lists all users.

**show wspaces** - Lists all workspaces.

**stat** - Displays the status of files in a workspace or elements in a stream. (Usually used to show the current version of an element.)

## Include/Exclude Commands

**clear** - Removes an Include/Exclude rule.

**excl** - Excludes elements from a workspace or stream.

**incl** - Includes elements in a workspace or stream.

**incldo** - Includes just a directory, not its contents, in a workspace or stream.

**lsrules** - Shows the include/exclude rules for a workspace or stream.

**mkrules** - Sets or clears multiple include/exclude rules for a workspace or stream.

## Frequently Used Advanced Commands

**anc** - Finds the ancestor of an element.

**chws** - Changes the name, location, or definition of a workspace.

**diff** - Compares two or more files.

**hist** - Shows the transaction history of elements or an entire depot.

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

**pop v. update** - Pop restores missing files; Update overwrites stale files.

**patch** - Incorporates a set of changes from another workspace into the version within a workspace.

**stat** - Shows the element status.

**undefunct** - Restores a previously removed element to a stream.

**xml** - Supplements the CLI commands by specifying an XML file that contains requests for the AccuRev server.

## Multiple Repositories

Use the **-H** option with any command to identify the AccuRev repository specific to the command. This option allows you to bypass the default repository.

For example: > **accurev show -H abc:6687 users**

## For More Information

**AccuRev CLI User's Guide:**

<http://www.accurev.com/documentation.html>