

# PERFORCE

## HELIX VISUAL CLIENT (P4V) 2020.3

# CHEAT SHEET

### TOOLBAR

- Refresh  
Option+Ctrl+R
- Get Latest Revision  
Shift+Ctrl+G
- Submit Changelist  
Ctrl+S
- Check Out  
Ctrl+E  
Drag file from workspace tree to a pending changelist.
- Mark for Add  
Drag file from workspace tree to a pending changelist.
- Mark for Delete  
To delete a file, mark it for delete, then submit.
- Revert If Unchanged
- Diff Against  
Ctrl+Shift+D  
Drag and drop a file revision onto another revision to diff.
- Timelapse View  
Ctrl+Shift+T  
Dynamically browse through a file's history.
- Revision Graph  
Ctrl+Shift+R  
See a file's integration history: when it was added, branched, edited, merged, copied, or deleted.
- Init\*  
Ctrl+Shift+I  
Initialize personal server.
- Clone\*  
A combination of Init and Fetch, Clone copies defined files to the new personal server.
- Fetch\* Ctrl+Shift+T  
Fetch is to the DVCS model what Sync is to the classic Helix central server model.
- Push\* Ctrl+Shift+P  
Push is to the DVCS model what Submit is to the classic Helix central server model.
- Cancel  
Ctrl+period  
\* Requires DVCS to be enabled.

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### VIEWS

- Depot Tree  
Ctrl+9
- Workspace Tree  
Ctrl+0
- Files in Folder
- History
- Pending Changelists  
Ctrl+1
- Submitted Changelists  
Ctrl+2
- Branch Mappings  
Ctrl+3
- Labels  
Ctrl+4
- Workspaces  
Ctrl+5
- Jobs  
Ctrl+6
- Streams  
Ctrl+7
- Stream Graph  
Alt+7
- Remote Mappings  
Ctrl+8  
(Requires DVCS to be enabled.)
- Repos  
Alt+8
- Unloaded

### BADGES

File icons with displayed additional badges indicate a new status

- Marked for add
- Marked for add by another
- Marked for delete
- Marked for delete by another
- Checked out by you
- Checked out by another
- Open for edit by you
- Open for edit by another
- Add/move by you
- Add/move by another
- Delete/move by you
- Delete/move by another
- Workspace version is up to date
- Workspace version is not latest version
- Needs resolve (conflicting changes have been made)

= File in your workspace that differs from the head revision, which has been checked out by you and another user

### FILE STATUS

Icons indicate the status of each file

- In depot
- Not in depot
- Not mapped to workspace
- Workspace differs from head revision
- Imported from another stream
- Deleted
- Shelved
- Symbolic link

### STREAM TYPES

- Release  
Used for fixing bugs, testing, and release distribution
  - Mainline  
Serves as the base or trunk of a stream system
  - Development  
Used for long term projects and major new features
  - Virtual  
Used to narrow the scope and submit directly to parent
  - Task  
Creates a lightweight branch for bug fixes and new features
- Least stable ↑ ↓ Most stable



### STREAM INHERITANCE

- //workshop/main...  
Stream Views (paths, remapped, ignored) inherited from parent stream
- //workshop/main...  
Stream Views (paths, remapped, ignored) NOT inherited from parent stream

# PERFORCE

## HELIX COMMAND-LINE CLIENT (P4)

# CHEAT SHEET

## </> Develop

- p4 add** Open a new file to add it to the depot
- p4 change** Create or edit a changelist description
- p4 changes** Display list of pending and submitted changelists
- p4 client** Create or edit a client specification and its view
- p4 clients** Display list of known clients
- p4 clean** Delete or refresh local files to match depot state
- p4 diff** Display diff of client file with depot file
- p4 edit** Open an existing file for edit
- p4 flush** Update a client workspace's have list without copying any files
- p4 have** List revisions last synced
- p4 lock** Lock an opened file against changelist submission
- p4 move** Move file(s) from one location to another
- p4 opened** Display list of files opened for pending changelist
- p4 print** Retrieve a depot file to the standard output
- p4 reconcile** Make workspace consistent with depot
- p4 rename** Move the location of files
- p4 reopen** Change the type or changelist number of an opened file
- p4 reshelve** Copy shelved files from an existing shelf
- p4 resolve** Merge open files with other revisions or files
- p4 resolved** Show files that have been merged but not submitted
- p4 revert** Discard changes from an opened file
- p4 shelve** Store files from a pending changelist into the depot
- p4 status** Reports which files need to be added, opened or deleted
- p4 submit** Submit open files to the depot
- p4 sync** Synchronize the client with its view of the depot
- p4 undo** Undo a range of revisions
- p4 unlock** Release a locked file but leave it open
- p4 unshelve** Restore shelved files from a pending change into a workspace
- p4 update** Update workspace without clobbering files changed

## ↕ Branching and Merging

- p4 branch** Create or edit a branch specification
- p4 branches** Display list of branches
- p4 copy** Make target identical to source by branching, replacing or deleting
- p4 integrate** Schedule integration from one file to another
- p4 merge** Merge changes from one set of files into another
- p4 populate** Branch files to target without requiring a workspace
- p4 prune** Remove unmodified branched files from a stream
- p4 stream** Create or edit a stream specification
- p4 streams** Display a list of known streams
- p4 switch** Switch to and/or create a new stream/branch (DVCS)

## 🔍 Investigate

- p4 aliases** Get a listing of all currently defined aliases
- p4 annotate** Print file lines along with their revisions
- p4 cstat** List the changes not synchronized in the current client
- p4 depots** Display list of depots
- p4 describe** Display a changelist description
- p4 diff2** Display diff of two depot files
- p4 dirs** List subdirectories of a given depot directory
- p4 filelog** List revision history of files
- p4 files** List files in the depot
- p4 fstat** Dump file info in format suitable for parsing by scripts
- p4 grep** Print lines in files (or revisions of files) that match a pattern
- p4 help** Print this help message
- p4 ignores** Display the ignore mappings
- p4 info** Print out client/server information
- p4 integrated** Show integrations that have been submitted
- p4 interchanges** List changes not yet integrated from source to target
- p4 istat** Show the stream's integration status
- p4 sizes** Display size information for files in the depot
- p4 where** Show how file names map through the client view

## 🔧 Jobs

- p4 fix** Mark jobs as being fixed by named changelists
- p4 fixes** List what changelists fix what job
- p4 job** Create or edit a job (defect) specification
- p4 jobs** Display list of jobs

## 📁 Labels

- p4 label** Create or edit a label specification and its view
- p4 labels** Display list of labels
- p4 labelsync** Synchronize label with the current client contents
- p4 tag** Tag files with a label

## 🔒 Security (admin and super commands)

- p4 group** Change members of a user group
- p4 groups** List groups of users
- p4 login** Login to Helix by obtaining a session ticket
- p4 login2** Perform second factor authentication
- p4 logout** Logout of Helix by removing or invalidating a ticket
- p4 passwd** Set user password on server (and Windows client)
- p4 protect** Modify protections in the server namespace
- p4 protects** Display protections in place for a given user/path
- p4 set** Set variables in the registry (Windows only)
- p4 tickets** Display list of session tickets for this user
- p4 trust** Establish trust of an SSL connection to a Helix service
- p4 user** Create or edit a user specification
- p4 users** Display list of known users

## ⚙️ Admin

- p4 admin** Perform administrative operations on the server
- p4 archive** Archive obsolete revisions to archive depots
- p4 attribute** Set per-revision attributes on revisions
- p4 cachepurge** Reclaim disk space on a replica
- p4 configure** Set, unset, or show server configuration variables
- p4 counter** Display, set, or delete a counter
- p4 counters** Display list of known counters
- p4 dbschema** Report schema information for the metadata tables
- p4 dbstat** Display size or simple statistics for a database table
- p4 dbverify** Perform low-level verification of the database tables
- p4 depot** Create or edit a depot specification
- p4 diskusage** Display summary of disk space usage on server
- p4 export** Extract journal or checkpoint records
- p4 failover** Make a standby server take over as the new master server
- p4 grant-permission** Assign permissions for the depot of type graph
- p4 jobspec** Edit the job template
- p4 journalcopy** Copy journal data from master to local filesystem
- p4 journaldbchecksums** Write journal notes with table checksums
- p4 key** Display, set, or delete a key/value pair
- p4 keys** Display list of known keys and their values
- p4 ldap** Create, modify, delete, or test an LDAP configuration
- p4 ldaps** Display list of LDAP configurations
- p4 license** Update or display the license file
- p4 lockstat** Report lock status of database tables
- p4 logappend** Append a line to server log file(s)
- p4 logger** Report what jobs and changelists have changed
- p4 logparse** Display parsed server log records
- p4 logrotate** Rotate server log file(s)
- p4 logschema** Display schema information for server log
- p4 logstat** Report size of journal, error log, and/or audit log files
- p4 logtail** Display the last block(s) of the error log
- p4 monitor** Display current running Helix process information
- p4 obliterate** Remove files and their history from the depot
- p4 ping** Test network performance
- p4 property** Add, delete, or list property values
- p4 pubkey** Add, update, or delete an SSH public key on the Helix server
- p4 pubkeys** Display a list of the SSH public keys associated with a specific user
- p4 pull** Pull journal or file data from master
- p4 reload** Reload metadata for an unloaded client or label
- p4 renameuser** Completely rename a user throughout the database
- p4 replicate** Poll for journal data and apply to another server
- p4 repo** Create, edit, or delete a repo specification
- p4 repos** Display a list of repos
- p4 restore** Restore archived revisions to their original location
- p4 review** List and track changelists (for the review daemon)
- p4 reviews** Show what users are subscribed to review files
- p4 revoke-permission** Remove access to a depot of type graph or to a repo
- p4 server** Create or edit a server specification
- p4 serverid** Get or set the unique ID associated with a Helix Server
- p4 servers** Display list of servers
- p4 show-permission** Display the permissions for a depot of type graph
- p4 triggers** Modify list of pre-submit and form-validating triggers
- p4 typemap** Modify the file name-to-type mapping table
- p4 unload** Unload metadata for an unused client or label
- p4 verify** Verify that the server archives are intact