



PVCS Version Manager

Command-Line Quick Reference Guide

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Command-Line Quick Reference

Archive and Workfile Specification

Use this syntax in commands...	To specify this file type...
<code>file_name</code>	A file. Version Manager determines whether the file is an archive or a workfile.
<code>archive</code>	An archive.
<code>(workfile)</code>	A workfile.
<code>archive(workfile)¹</code>	Both an archive and a workfile.
<code>[drive:]path(workfile)¹</code>	A fully qualified archive path and workfile name.

1. To use the command-line interface on a file name containing special characters (such as left or right parenthesis characters), make sure that the separator characters defined to separate the archive and workfile name or path name are *not* characters used in a file name. For more information, see the *Command-Line Reference Guide*.

Directives

The following table lists the Command-Line Directives. There are two types of directives: those that apply only during archive creation and those that apply during general operations. Some in the latter category may also apply during archive creation. The two types are distinguished in the **Type** column by **AC** (archive creation) and **O** (general operations) labels.

Use this directive...	With this syntax...	To do this...	Type
Abort	<code>Abort [exit_code]</code>	Stop all processing of configuration files.	O
AccessControl	<code>[No]AccessControl</code>	Specify if a project uses an access control database.	O
AccessDB	<code>AccessDB=file_name [[No]WriteProtect]</code>	Identify the access control database.	O
AccessList	<code>AccessList=[user_id [,user_id...]]</code>	Identify users who are allowed to access archives.	O
Alias	<code>Alias name=string_value</code>	Refer to a character string symbolically.	O
ArchiveSuffix	<code>ArchiveSuffix=suffix_template</code>	Specify the extension used for archives.	AC
ArchiveWork	<code>ArchiveWork=[path_name]</code> <code>NoArchiveWork</code>	Specify the directory for temporary archive copies.	O
AutoCreate	<code>[No]AutoCreate</code>	Create archives automatically using the PUT command.	O
BaseVersion	<code>BaseVersion=version_label</code>	Identify the revision where a branch begins.	O

Use this directive...	With this syntax...	To do this...	Type
BranchVersion	BranchVersion= <i>floating_version</i>	Identify the tip revision of a branch.	O
BranchWarn	[No]BranchWarn	Warn the user before creating a branch.	O
Case	[No]Case=VCSID	Control the case-sensitivity of user IDs.	O
CheckLock	[No]CheckLock	Enable lock checking.	AC
ColumnMask	ColumnMask [<i>.ext...</i>]= <i>col_start-col_end</i> [(numeric)]...	Specify columns to ignore when comparing files.	AC
CommentPrefix	CommentPrefix [<i>.ext...</i>]= <i>string</i>	Define the comment string to insert before lines in the \$Log\$ keyword expansion.	AC
Compress	[No]Compress [<i>.ext...</i>]	Compress the entire archive.	AC
CompressDelta	[No]CompressDelta [<i>.ext...</i>]	Compress the deltas only.	AC
CompressWork Image	[No]CompressWorkImage [<i>.ext...</i>]	Compress the workfile copy only.	AC
CtrlZ	[No]CtrlZ	Ignore characters after Ctrl+Z.	O
DateFormat	DateFormat= <i>mm/dd/yy hh/mm/ss</i>	Specify the format for date entry.	O
DefaultVersion	DefaultVersion= <i>ver_label</i>	Identify the revision to use when no other is specified.	O
DeleteMessageFile	[No>DeleteMessageFile	Delete message files after reading them.	O
DeleteWork	DeleteWork NoDeleteWork [No]WriteProtect	Delete workfiles after storing them.	O
Delta Delete	Delta Delete " <i>format string</i> "	Define the syntax for Delete commands in delta files.	O
Delta Insert	Delta Insert " <i>format string</i> "	Define the syntax for Insert commands in delta files.	O
Delta Replace	Delta Replace " <i>format string</i> "	Define the syntax for Replace commands in delta files.	O
Delta Seq	Delta Seq <i>start-end</i> COBOL	Generate delta commands based on sequence numbers.	O
Diagnostic	Diagnostic= <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.	O

Use this directive...	With this syntax...	To do this...	Type
DisableBadLabelFilter	[No]DisableBadLabelFilter	Disables the check for illegal characters when creating version labels. This allows you to create version labels that contain illegal characters. NOTE This can have undesirable and unexpected outcomes. See the full <i>Command-Line Reference Guide</i> for details.	O
Disallow	Disallow= <i>directive...</i>	Prevent users from changing a directive.	O
Echo	Echo= <i>message</i>	Display a message.	O
End	End	Stop processing of this configuration file.	O
EndMaster	EndMaster	End the section of the file used as the master configuration file.	O
EventTrigger	EventTrigger= <i>event_name</i> [<i>event_trigger_info</i>]	Execute an action before or after a Version Manager event.	O
ExclusiveLock	[No]ExclusiveLock	Prevent locking of more than one revision in an archive.	AC
Expand Keywords	[No]ExpandKeywords [.ext...]	Expand keywords when storing a revision.	AC
Expand Keywords Touch	ExpandKeywords [No]Touch	Update the timestamp when expanding keywords.	O
FirstMatch	FirstMatch	Control how wildcards are interpreted.	O
ForceUnlock	[No]ForceUnlock	Remove the lock and delete the workfile when storing an unchanged revision.	O
GenerateDelta	[No]GenerateDelta [.ext ...]	Control delta generation for workfiles with the specified extensions.	AC
IgnorePath	[No]IgnorePath	Ignore the workfile path when locating archives.	O
Include	Include <i>configuration_file</i>	Read another configuration file.	O
Journal	Journal=[<i>path_name</i>] [<i>journal_file</i>]	Record an audit trail of archive modifications.	O
JournalReadOnlyGets	JournalReadOnlyGets=[<i>path_name</i>] [<i>journal_file</i>]	Record an audit trail of who got what files from source control. Requires the journal directive.	O
LogIn	LogIn <i>source</i> [(<i>default_privilege</i> [...])][...]	Specify the user identification source.	O
MessageSuffix	Messagesuffix= <i>suffix_template</i>	Specify the extension of message files.	O
MonthNames	MonthNames= <i>m1 m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12</i> am pm	Specify different names for the months of the year and A.M./P.M. designations.	O

Use this directive...	With this syntax...	To do this...	Type
MultiLock	MultiLock [<i>revision</i> <i>user</i>]NoMultiLock	Permit a user to lock more than one revision and/or permit more than one lock per revision.	O
NewLine	NewLine [<i>.ext...</i>]= <i>string</i>	Change the end-of-line indicator in \$Log\$ keyword expansion.	AC
Owner	Owner= <i>user_id</i>	Assign ownership of archives.	AC
PathSeparator	PathSeparator=\ /	Change the path separator character in keyword expansion.	O
Promote	Promote <i>from_group to_group</i>	Specify a promotion hierarchy.	O
Quiet	Quiet Verbose	Display minimal messages.	O
RecordLength	RecordLength [<i>.ext...</i>]= <i>record_length</i>	Specify logical record length.	AC
ReferenceDir	ReferenceDir= [<i>keyword...</i>] [<i>directory</i>]	Specify the directory where copies of tip revisions are automatically stored.	O
Renumber	Renumber [<i>.ext...</i>]= col_start-col_end [from <i>start</i> by <i>num</i>]	Renumber masked columns.	AC
RFSSplitOnCreate	RFSSplitOnCreate NoRFSSplitOnCreate	Split archives into separate metadata and revision data if mapped to a Version Manager File Server.	AC
Semaphore	[No]Semaphore [<i>local</i>] [<i>network</i>] = [<i>semaphore_type</i>]	Guarantee exclusive access to shared archives.	O
SemaphoreDelay	SemaphoreDelay= <i>number</i>	Specify the delay between attempts to access an archive.	O
SemaphoreDir	SemaphoreDir= <i>path</i>	Specify the directory where semaphore files are created.	O
SemaphoreRetry	SemaphoreRetry= <i>number</i>	Specify the number of attempts to access an archive.	O
SemSuffix	SemSuffix= <i>suffix_template</i>	Specify the suffix used for semaphore files.	O
SignOn	[No]SignOn	Display the sign-on message.	O
Translate	[No]Translate [<i>.ext...</i>]	Translate the end-of-line character.	AC
VCSDir	VCSDir=[;] <i>dir</i> [(<i>ref_dir</i>)]...	Specify the directory where archives are located.	O
VCSEdit	VCSEdit= <i>editor_command</i> [<i>editor_option...</i>] \$temp_file\$	Specify the text editor used for descriptions.	O
VCSID	VCSID= <i>user_id</i>	Specify the ID of the current user.	O
WorkDir	WorkDir= <i>path_name</i>	Specify the directory for temporary files.	O
WriteProtect	[No]WriteProtect	Write-protect archives.	AC

FILT command

```
filt [option...] [input_file|-] [output_file]
```

Use this option...	With this syntax...	To do this...
-c		Make filter keys case-sensitive.
-e	-ex	Define the escape character, <i>x</i> , which introduces filter controls. The default escape character is %.
-k	-kkey[,key...]	Specify one or more keys that are assigned a value of true.
-p	-pcolumn	Specify the column in which the escape character occurs. The default is column 1.
-v		Designate all environment variables as filter keys.

GET command

```
get [option...] file_name...
```

Use this option...	With this syntax...	To do this...
@	@[list_file]	Read <i>list_file</i> for additional command-line options.
-#	-#code	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-c	-c[- configuration_file directory_name]	Specify the file name or location of an alternate configuration file.
-d	-ddate/time	Check out the last revision that was checked in before or on <i>date/time</i> .
-fg		Looks up revisions associated with the promotion group defined by the -g parameter. The -g parameter is required; an error occurs if it is not.
-fr		Looks up a specific revision based on the revision specified by the -r parameter. If -r is not specified, then the tip or default revision is retrieved.
-g	-gpromotion_group	Check out a revision by its promotion group.
-h		Display help for command-line options.
-l	-l[revision_number version_label promotion_group]	Lock a revision with the current user ID.
-n		Don't overwrite existing workfiles.

Use this option...	With this syntax...	To do this...
-p		Display output instead of creating a workfile.
-q		Select quiet mode and overwrite workfiles.
-qo		Select quiet mode and ask for permission to overwrite workfiles.
-qn		Select quiet mode and don't overwrite existing workfiles.
-r	<code>-r[revision_number version_label promotion_group]</code>	Check out the tip revision or specify the version to check out by revision number or version label.
-s	<code>-ssuffix_template</code>	Specify an alternate suffix template.
-t	<code>-t[revision_number version_label promotion_group]</code>	Assign the current timestamp to checked-out files.
-u	<code>-u[date/time]</code>	Check out a revision only if its modification time is newer than the existing workfile or only if it is newer than date/time.
-v	<code>-vversion_label</code>	Check out a version.
-w	<code>-w[revision_number version_label promo_group]</code>	Check out a writable workfile.
-xe	<code>-xe file_name</code>	Redirect error messages to <i>file_name</i> .
-xo	<code>-xo file_name</code>	Redirect standard output to <i>file_name</i> .
-xo+e	<code>-xo+e file_name</code>	Redirect standard output and error messages to <i>file_name</i> .
-xrenumber	<code>-xrenumber=col_start-col_end [from start by number]</code>	Renumber masked columns.
-y		Answer yes in advance to any prompt.

Group Definition

```
group [=] group_name [(privilege...)] [:] [member...]
```

IDENT command

```
ident [option...] [file_name...]
```

Use this option...	With this syntax...	To do this...
@	<code>@[list_file]</code>	Read <i>list_file</i> for additional command-line options.
-h		Display help for command-line options.
-xo	<code>-xo file_name</code>	Redirect standard output to <i>file_name</i> .

Keywords

Use this keyword...	To reference this...
\$Archive\$	The full path name of the archive.
\$Author\$	The user ID of the author of the revision.
\$Date\$	The check-in date of the revision.
\$Header\$	The archive name, revision number, revision date, and author ID.
\$Log\$	Cumulative check in messages.
\$Modtime\$	The time of the last modification.
\$Revision\$	The revision number.
\$Workfile\$	The workfile name.

MAKEDB command

```
makedb [option...] [file_name...]
```

Use this option...	With this syntax...	To do this...
@	@[<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-a	-a <i>database_name</i>	Specify the name of the resulting access control database.
-c	-c[- <i>configuration_file</i> <i>directory_name</i>]	Specify the file name or location of an alternate configuration file.
-h		Display help for command-line options.
-i		Create an access control database with the addition of an Admin user, who has SuperUser privileges by default.
-q		Suppress warning and sign-on messages.
-v		Display each record as the access control database is built.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .

PRINTENV command

```
printenv [variable...]
```

Privilege Definition

```
privilege [=] privilege_name: component[,component...]  
[:promo_group[,promo_group...]]
```

Privileges (Base)

Use this base privilege...	With this syntax...	To let users do this...
AddGroup	[No]AddGroup	Assign promotion groups to revisions.
AddVersion	[No]AddVersion	Assign version labels. NOTE Combine with DeleteVersion to rename version labels.
BreakLock	[No]BreakLock	Unlock revisions.
ChangeAccessList	[No]ChangeAccessList	Identify users who can access archives.
ChangeCommentDelimiter	[No]ChangeCommentDelimiter	Change comment prefixes.
ChangeOwner	[No]ChangeOwner	Change archive owners.
ChangeProtection	[No]ChangeProtection	Change archive attributes.
ChangeWorkfileName	[No]ChangeWorkfileName	Change workfile names.
DeleteGroup	[No>DeleteGroup	Remove promotion groups from revisions.
DeleteRevNonTip	[No>DeleteRevNonTip	Delete revisions.
DeleteRevTip	[No>DeleteRevTip	Delete tip revisions.
DeleteVersion	[No>DeleteVersion	Delete version labels. NOTE Combine with AddVersion to rename version labels.
GetNonTip	[No]GetNonTip	Check out revisions other than the tip.
GetTip	[No]GetTip	Check out tip revisions.
InitArchive	[No]InitArchive	Create archives.
JournalReport	[No]JournalReport	View an audit trail of all modifications to archives
LockNonTip	[No]LockNonTip	Lock revisions other than the tip.
LockTip	[No]LockTip	Lock tip revisions.
ModifyChangeDescription	[No]ModifyChangeDescription	Edit change descriptions.
ModifyGroup	[No]ModifyGroup	Remove/move promotion groups.

Use this base privilege...	With this syntax...	To let users do this...
ModifyVersion	[No]ModifyVersion	Re-assign version labels to a different revision, including changing whether the label floats with the tip revision. NOTE This privilege does not affect your ability to add, delete, or rename version labels. TIP Renaming version labels requires both the AddVersion and DeleteVersion privileges.
ModifyWorkfileDescription	[No]ModifyWorkfileDescription	Edit workfile descriptions.
Promote	[No]Promote	Promote revisions.
PutBranch	[No]PutBranch	Store branch revisions.
PutTrunk	[No]PutTrunk	Store revisions.
StartBranch	[No]StartBranch	Start branches.
Unlock	[No]UnLock	Remove locks.
ViewAccessDB	[No]ViewAccessDB	View the access control database.
ViewArchiveHeader	[No]ViewArchiveHeader	View archive header information.
ViewArchiveRev	[No]ViewArchiveRev	View revision history.

Privileges (Composite)

Use this composite privilege...	With this syntax...	To specify these base privileges...
DeleteRev	[No]DeleteRev	DeleteRevNonTip DeleteRevTip
Get	[No]Get	GetNonTip GetTip
Lock	[No]Lock	LockNonTip LockTip
ModifyDescription	[No]ModifyDescription	ModifyChangeDescription ModifyWorkfileDescription
Put	[No]Put	PutBranch PutTrunk
ViewArchive	[No]ViewArchive	ViewArchiveHeader ViewArchiveRev

Privilege Sets

Use this privilege set...	To specify these privileges...
SuperUser	All base privileges on all archives.
Unlimited	All base privileges on accessible archives.

Use this privilege set...	To specify these privileges...
Project Lead	Lock Tip, Lock Non-tip, Unlock, Check Out Tip, Check Out Non-tip, Check In Tip, Check In Branch, Create Branch, Modify Archive Access List, Modify Archive Owner, Modify Archive Attributes, Modify Comment Delimiter, Modify Versioned File Name, Modify Workfile Description, Modify Change Description, Add Version Label, Delete Version Label, Modify Version Label Revision Number, Create Archive, Delete Tip, Delete Non-tip, View Archive Header, View Archive Revisions, Promote to the Next Promotion Group, Add Promotion Group, Modify Promotion Group, Delete Promotion Group, Create Project, Modify Project, Delete Project, Copy Project, Add or Remove Versioned Files, Configure Project, Configure Security, and Show Journal.
Development	Project Lead privilege set minus Create Project, Configure Project, Copy Project, Delete Project, Add or Remove Versioned Files, Modify Project, and Configure Security
Documentation	Quality Assurance privilege set plus Lock Tip, Lock Non-tip, Unlock, Check Out Tip, Check Out Non-tip, Check in Tip, Check In Branch, and Create Archive
Quality Assurance	Support privilege set plus Add Version Label, Delete Version Label, Modify Version Label Revision Number, Promote to Next Promotion Group, Add Promotion Group, Modify Promotion Group, and Delete Promotion Group
Support	View Archive Header, View Archive Revisions, and Show Journal

PUT command

```
put [option...] file_name...
```

Use this option...	With this syntax...	To do this...
@	@[<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500Display archive owner, access information, user ID, and privileges.
-a	-a[<i>user_id</i> [, <i>user_id</i> ...]]	Specify an access list when creating an archive.
-b		Ignore leading and trailing white space when comparing revisions.
-c	-c[- <i>configuration_file</i> <i>directory_name</i>]	Specify the file name or location of an alternate configuration file.
-f		Store a revision even if it is identical to its predecessor.
-fb		Store a revision as a branch even if the locked revision is the tip.
-g	-g <i>promotion_group</i>	Store a revision by its promotion group.
-h		Display help for command-line options.
-l		Store a revision and immediately check it out with a lock.

Use this option...	With this syntax...	To do this...
-m	-m <i>text</i>	Specify a change description from the command line.
	-m@ <i>file_name</i>	Read a change description from <i>file_name</i> .
	-m@	Read a change description from the file whose name is derived from the workfile name.
	-m@ <i>dir</i>	Read a change description from the file located in <i>dir</i> whose name is derived from the workfile name.
-n		Answer no in advance to any prompt.
-q		Select quiet mode and answer yes in advance to any prompt.
-qo		Select quiet mode.
-r	-r [<i>revision_number</i> <i>version_label</i> <i>promo_group</i>]	Store a revision with the specified revision number.
-s	-s <i>suffix_template</i>	Specify an alternate suffix template.
-t	-t <i>text</i>	Specify a workfile description from the command line.
	-t@ <i>file_name</i>	Read a workfile description from <i>file_name</i> .
	-t@	Read a workfile description from the file whose name is derived from the workfile name.
	-t@ <i>dir</i>	Read a workfile description from the file located in <i>dir</i> whose name is derived from the workfile name.
-u		Store a revision and immediately check it out without a lock.
-v	-v <i>version_label</i>	Store a revision with the specified version label.
	-v <i>floating_version</i> :*	Store a revision with the associated floating version label.
-xcolumnmask	-xcolumnmask=" <i>start_end</i> [(numeric)]..."	Specify columns to ignore when generating change information.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .
-xrecordlength	-xrecordlength= <i>record_length</i>	Change the record length of the workfile.
-y		Answer yes in advance to any prompt.

READDDB command

```
readdb [option...]
```

Use this option...	With this syntax...	To do this...
@	@[<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-a	-a <i>database_name</i>	Specify the name of the access control database.
-c	-c[- <i>configuration_file</i> <i>directory_name</i>]	Specify the file name or location of an alternate configuration file.
-h		Display help for command-line options.
-p		Display the current user's password.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .

REGEN command

```
regen [option...] reference_file delta_file [> target_file]
```

Use this option...	With this syntax...	To do this...
@	@[<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-h		Display help for command-line options.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .

Revision Range Specification

Use this syntax...	To select this range...
<i>*revision</i>	All revisions on this branch up to and including this revision.
<i>revision*</i>	This revision and all following revisions on this branch.
<i>rev*rev</i>	All revisions on this branch within the inclusive range.
branch	All revisions on this branch.
*	All trunk revisions.

RSE command

```
rse command [> output_file]
```

User Definition

```
user [=] user_id[/password] [(privilege...)] [-d date_range]
```

VCOMPRES command

```
vcompres [option...] file_name...
```

Use this option...	With this syntax...	To do this...
@	@[<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-c	-c[- <i>configuration_file</i> <i>directory_name</i>]	Specify the file name or location of an alternate configuration file.
-d		Compress or uncompress deltas only.
-h		Display help for command-line options.
-q		Select quiet mode.
-u		Uncompress data.
-w		Compress or uncompress the work image only.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .

Use this option...	With this syntax...	To do this...
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .

VCONFIG command

```
vconfig [option...] file_name...
```

Use this option...	With this syntax...	To do this...
@	@ [<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-a	-a [<i>database_name</i>]	Embed the access control database name and location.
-c	-c [<i>file_name</i>]	Embed the name of the master configuration file.
-h		Display help for command-line options.
-i	-i [<i>source</i> [, <i>source...</i>]]	Implant user identification sources.
-l		Specify internationalization language (may not be available).
-pl or -pm		Specify the locale or message path in a DLL file.
-q		Select quiet mode.
-sn or -sy		Specify secure or non-secure mode.
-u		Remove any embedded names from executables.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .

VCS command

```
vcs [option...] file_name...
```

Use this option...	With this syntax...	To do this...
@	@[<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500Display archive owner, access information, user ID, and privileges.
-a	-a[<i>user_id</i> [, <i>user_id</i> ...]]	Add user IDs to the access list.
-c	-c[- <i>configuration_file</i> <i>directory_name</i>]	Specify the file name or location of an alternate configuration file.
-ec	-ec <i>string</i>	Use the comment prefix specified with <i>string</i> when expanding the \$Log\$ keyword.
-en	-en <i>string</i>	Use the newline sequence specified with <i>string</i> when expanding the \$Log\$ keyword.
-g	-g <i>promotion_group</i> : <i>revision_number</i> : <i>version_label</i>	Associate one or more revisions with <i>promotion_group</i> .
	-g <i>promotion_group</i> :delete	Delete the association between a revision and promotion group.
-h		Display help for command-line options.
-i		Create an archive containing no revisions.
-l	-l[<i>revision_number</i> <i>version_label</i> <i>promo_group</i>]	Lock a revision.
-m	-m <i>text</i>	Specify a change description from the command line.
	-m@ <i>file_name</i>	Read a change description from <i>file_name</i> .
	-m@	Read a change description from the file whose name is computed from the workfile name.
	-m@ <i>directory</i>	Read a change description from the file located in <i>directory</i> whose name is derived from the workfile name.
-n		Answer no in advance to any prompt.
-o	-o <i>user_id</i>	Change the archive owner.
pc	+pc -pc	Enable (+) or disable (-) workfile image compression.
pd	+pd -pd	Enable (+) or disable (-) delta compression.

Use this option...	With this syntax...	To do this...
pe	+pe -pe	Enable (+) or disable (-) exclusive locking.
pg	+pg -pg	Enable (+) or disable (-) delta generation.
pk	+pk -pk	Enable (+) or disable (-) keyword expansion.
pl	+pl -pl	Enable (+) or disable (-) lock checking.
pt	+pt -pt	Enable (+) or disable (-) translation.
pw	+pw -pw	Enable (+) or disable (-) archive write protection.
-q		Select quiet mode and answer yes in advance to any prompt.
-qo		Select quiet mode.
-qn		Select quiet mode and answer no in advance to any prompt.
-r	-r[<i>revision_number</i>]	Select a revision for a VCS operation.
-s	-s <i>suffix_template</i>	Specify an alternate suffix template.
-t	-t <i>text</i>	Specify a workfile description from the command line.
	-t@ <i>file_name</i>	Read a workfile description from <i>file_name</i> .
	-t@	Read a workfile description from the file whose name is derived from the workfile name.
	-t@ <i>directory</i>	Read a workfile description from the file located in <i>directory</i> whose name is derived from the workfile name.
-u	-u[<i>revision_number</i> <i>version_label</i> <i>promo_group</i>]	Unlock a revision by revision number or version label.
	-u:[<i>user</i> /*]	Unlock all locks placed by <i>user</i> .
-v	-v <i>version_label</i>	Assign a version label to the trunk tip revision of specified archives.
	-v <i>version_label</i> :[<i>revision_number</i> <i>version_label</i> <i>promotion_group</i>]	Assign <i>version_label</i> to the revision associated with <i>revision_number</i> or <i>version_label</i> .
	-v <i>new_version_label</i> :: <i>old_version_label</i>	Replace <i>old_version_label</i> with <i>new_version_label</i> .
	-v <i>version_label</i> :delete	Delete <i>version_label</i> .
	-v <i>floating_label</i> : <i>revision_number</i> *	Assign <i>floating_label</i> to <i>revision_number</i> .
	-v <i>floating_label</i> : <i>version_label</i> *	Assign <i>floating_label</i> to <i>version_label</i> .
	-v <i>version_label</i> :*	Transform <i>version_label</i> into a floating label.
-w	-w <i>workfile_name</i> <i>archive_name</i>	Change the workfile name stored in the archive.

Use this option...	With this syntax...	To do this...
-xcolumnmask	-xcolumnmask=" <i>start_end</i> [(numeric)]..."	Specify columns to ignore when generating change information.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .
-xrecordlength	-xrecordlength= <i>record_length</i>	Change the record length of the workfile.
-xrenumber	-xrenumber " <i>start-end</i> [from <i>start</i> by <i>number</i>]"	Change the column range to renumber when checking out a workfile.
	-xrenumber=cobol	Change the column range to renumber when checking out a workfile for COBOL files.
-y		Answer yes in advance to any prompt.

VDEL command

```
vdel [option...] file_name...
```

Use this option...	With this syntax...	To do this...
@	@[<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-c	-c[- <i>configuration_file</i> <i>directory_name</i>]	Specify the file name or location of an alternate configuration file.
-h		Display help for command-line options.
-q		Select quiet mode and provide permission to delete revisions.
-qo		Select quiet mode, but prompt before deleting revisions.
-r	-r[<i>revision_number</i> <i>range</i>] [+]	Delete a range of revisions plus all branches that begin in that range.
-s	-s <i>suffix_template</i>	Specify an alternate suffix template.
-v	-v <i>version_label</i> <i>version_range</i> [+]	Delete a range of versions plus all branches that begin in that range.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .

Use this option...	With this syntax...	To do this...
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .
-y		Provide permission in advance to delete revisions.

VDIFF command

```
vdiff [option...] reference_file target_file
```

Use this option...	With this syntax...	To do this...
@	@ [<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-a		Display all differences.
-b		Ignore leading and trailing white space.
-c	-c[- <i>configuration_file</i> <i>directory_name</i>]	Specify the <i>file_name</i> or location of an alternate configuration file.
-d		Generate a delta file in Version Manager format.
	-d@ <i>delta_configuration_file</i>	Use the delta configuration file specified with the <i>delta_configuration_file</i> parameter.
-dl		Generate a delta file in CA-LIBRARIAN format.
-dp		Generate a delta file in CA-PANVALET format.
-ds		Generate a delta file in Version Manager format.
-e	-e [0]	Suppress tab expansion.
	-e <i>number</i>	Specify the number of columns between tab stops for tab expansion.
-h		Display help for command-line options.
-l	-l <i>number</i>	Specify the number of context lines.
-n		Eliminate line numbers from the VDIFF report.
-q		Select quiet mode and provide permission to overwrite existing workfiles.
-r	-r [<i>revision_number</i>]	Select a revision for comparison.
-s	-s <i>suffix_template</i>	Specify an alternate suffix template.
-t		Select test mode.
-v	-v <i>version_label</i>	Select a version for comparison.

Use this option...	With this syntax...	To do this...
-xcolumnmask	-xcolumnmask=" <i>start-end</i> [(numeric)]..."	Specify columns to ignore when generating change information.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .
-xo	-xo <i>file_name</i>	Redirect difference information to <i>file_name</i> .
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .
-xrecordlength	-xrecordlength= <i>record_length</i>	Change the record length of the workfile.

Version Range Specification

Use this syntax...	To select this range...
* <i>version</i>	All revisions on this branch up to and including this version.
<i>version</i> *	This version and all following revisions on this branch.
<i>ver</i> * <i>ver</i>	All revisions on this branch within the inclusive range.

VJOURNAL command

```
vjournal [option...] [journal_file...]
```

Use this option...	With this syntax...	To do this...
@	@[<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-c	-c[- <i>configuration_file</i> <i>directory_name</i>]	Specify the file name or location of an alternate configuration file.
-d	-d <i>date_range</i>	Display journal entries for a range of dates or times.
-h		Display help for command-line options.
-l	-l <i>archive</i> [, <i>archive</i> ...]	Display journal entries for a comma-separated list of archives.
-o	-o <i>command</i> [, <i>command</i> ...]	Display journal entries for specified commands.
-s	-s <i>delimiter_character</i>	Specifies a delimiter character for use in parsing filenames. Use this when filenames may contain the default delimiter character of a comma (,). This is relevant when using the -L option.
-u	-u <i>user_id</i> [, <i>user_id</i> ...]	Display journal entries for specified user IDs.

Use this option...	With this syntax...	To do this...
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .
-xl	-xl [<i>user_id</i> [, <i>user_id</i> ...]]	Display revisions currently locked by specified user IDs.
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .

VLOG command

```
vlog [option...] [file_name...]
```

Use this option...	With this syntax...	To do this...
@	@ [<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-a	-a <i>user_id</i> [, <i>user_id</i> ...]	Display revisions stored by specified users.
-b		Display archive information but not revision information.
-bc	-bc <i>revision_number</i> <i>version_label</i> <i>promo_group</i>	Display archives containing tip revisions that are not the same as <i>revision_number</i> or <i>version_label</i> .
-bg	-bg <i>promotion_group</i>	Display the revisions associated with the specified promotion group.
-bl	-bl [<i>user_id</i> [, <i>user_id</i> ...]]	Display the archive names, locker IDs, locked revisions, and check-in revision numbers for revisions currently locked by <i>user_id</i> .
-bn	-bn [<i>branch</i>]	Display the newest revision on <i>branch</i> .
-br	-br [<i>revision_number</i> <i>revision_range</i> <i>branch</i>]	Display information about the specified revision, range of revisions, or branch revision.
	-br <i>version_label</i> <i>version_range</i>	Display information about the specified revision, range of revisions, or branch revision.
-bv	-bv [<i>version_label</i>]	Display the revision numbers corresponding to <i>version_label</i> .
-c	-c [- <i>configuration_file</i> <i>directory_name</i>]	Specify the file name or location of an alternate configuration file.
-d	-d <i>date_range</i>	Display revisions checked in within <i>date_range</i> .
-g	-g <i>promotion_group</i>	Display revisions associated with <i>promotion_group</i> .
-h		Display help for command-line options.
-i		Turn off indentation.
-l	-l [<i>user_id</i> [, <i>user_id</i> ...]]	Display information for archives locked by specified users.

Use this option...	With this syntax...	To do this...
-o	-ouser_id[,user_id...]	Display information for archives with specified owners.
-q		Select the quiet mode.
-r	-r[revision_number range]	Display information about a revision or revision range.
-s	-ssuffix_template	Specify an alternate suffix template.
-u		Display the current user ID and identification source.
-v	-vversion_label version_range [+]	Display information about archives associated with specified versions.
-xe	-xefile_name	Redirect error messages to <i>file_name</i> .
-xo	-xofile_name	Redirect standard output to <i>file_name</i> .
-xo+e	-xo+efile_name	Redirect standard output and error messages to <i>file_name</i> .

VMRG command

```
vmrg [option...] parent_rev branch_point1 branch_point2
```

Use this option...	With this syntax...	To do this...
@	@[list_file]	Read <i>list_file</i> for additional command-line options.
-#	-#code	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-a		Use the BaseVersion and BranchVersion directives to merge automatically.
-c	-c[- configuration_file directory_name]	Specify the file name or location of an alternate configuration file.
-g	-gpromotion_group	Specify the revision associated with a particular production group.
-h		Display help for command-line options.
-m		Merge multiple workfiles or archives.
-n		Answer no in advance to any prompts.
-o	-o[file_name]	Redirect the merged file to a <i>file_name</i> or to standard output.
-r	-r[revision_number]	Specify a revision.
-s	-ssuffix_template	Specify an alternate suffix template.
-v	-v[version_label]	Specify a version.
-xe	-xefile_name	Redirect error messages to <i>file_name</i> .
-xo	-xofile_name	Redirect standard output to <i>file_name</i> .

Use this option...	With this syntax...	To do this...
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .
-y		Answer yes in advance to any prompts.

VPROMOTE command

```
vpromote [option...] file_name...
```

Use this option...	With this syntax...	To do this...
@	@ [<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-c	-c[- <i>configuration_file</i> <i>directory_name</i>]	Specify the file name or location of an alternate configuration file.
-g	-g <i>promote_from_group</i>	Specify the promotion group to promote from.
-h		Display help for command-line options.

VSPLIT command



NOTE This command is for use only with the Version Manager File Server. For more information, see the *Command-Line Reference Guide*.

```
vsplit [option...] path...
```

Use this option...	With this syntax...	To do this...
@	@ [<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-h		Display help for command-line options.
-l		Lists the archives but does not split them.
-r		Recursive (applies to directory paths).
-u		Unsplits the archives returning them to the inflated archive format.
-v		Verbose mode.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .

VSQL command

```
vsql [option...] file_name...
```

Use this option...	With this syntax...	To do this...
@	@[<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-#	-# <i>code</i>	Select a diagnostic function. Possible values for <i>code</i> are: 1 Display each line of the configuration file as it is processed. 2 Display internal errors. 4 Toggle the sign-on message. 500 Display archive owner, access information, user ID, and privileges.
-c	-c[- <i>configuration_file</i> <i>directory_name</i>]	Specify the file name or location of an alternate configuration file.
-di	-di <i>integer</i>	Specify an alternative to the INTEGER column-type definition.
-dl	-dl [<i>file_name</i>]	Generate a file containing SQL commands to create tables and views.
-dt	-dt <i>timestamp</i>	Specify an alternative to the Timestamp column-type definition.
-dv	-dv <i>varchar_def</i>	Specify an alternative to the long variable character column-type definition.
-e	-e [<i>character</i>]	Specify the character substituted for embedded delimiters.
-ft	-ft <i>time_format</i>	Specify an alternative format for timestamp fields.
-g	-g [<i>character</i>]	Specify a field separator character.
-h		Display help for command-line options.
-i	-i [<i>character</i>]	Specify the character substituted for embedded field separators.
-j	-j [<i>character</i>]	Specify the line continuation character.
-k	-k <i>number</i>	Specify the maximum line length for output command files.
-l	-l [<i>character</i>]	Specify the character substituted for embedded line continuation characters.
-mh	-mh <i>file_name</i>	Generate a set of CSV format files with column names as the first record.
-ml	-ml [<i>file_name</i>]	Generate SQL DML format Insert statements.
-mv	-mv <i>file_name</i>	Generate a set of CSV format files.
-n	-n [<i>character</i>]	Specify the character substituted for embedded newline characters.
-o	-o [<i>character</i>]	Specify the string delimiter.
-q		Select quiet mode.
-r		Generate SQL DROP statements in the DDL command file (used with -dL).
-s	-s <i>suffix_template</i>	Specify an alternate suffix template.
-t	-t [<i>character</i>]	Specify the SQL statement termination character.
-u		Generate update statements.
-xe	-xe <i>file_name</i>	Redirect error messages to <i>file_name</i> .

Use this option...	With this syntax...	To do this...
-xo	-xo <i>file_name</i>	Redirect standard output to <i>file_name</i> .
-xo+e	-xo+e <i>file_name</i>	Redirect standard output and error messages to <i>file_name</i> .

VTRANSFER command



NOTE This command is for use only with the Version Manager File Server. For more information, see the *Command-Line Reference Guide*.

```
vtransfer [option...] archivePath [secondaryPath]
```

Use this option...	With this syntax...	To do this...
@	@[<i>list_file</i>]	Read <i>list_file</i> for additional command-line options.
-c		Copies an archive or a directory of archives to the name/location specified in the <i>secondaryPath</i> . This operation is recursive if the <i>archivePath</i> specifies a directory rather than an archive.
-d		Deletes the archive or a directory of archives specified in the <i>archivePath</i> , including all revisions and metadata.
-h		Display help for command-line options. The command terminates after processing the -h option even if you specify other options.
-f		Fixes the relationship between the metadata and revision data by moving the revisions to a location that mirrors the metadata location, and then updates the metadata. This is useful if the metadata has been manually moved or renamed.
-i		Imports an archive and its revisions from a zip file specified in the <i>secondaryPath</i> to the archive location specified in the <i>archivePath</i> . Any existing archive data is overwritten.
-id	-id <i>user_id:user_password</i>	Specifies a user ID and password to authenticate against the access control database and/or LDAP server, if any, that is associated with the relevant file server path map in the Version Manager File Server Administration utility. NOTE The -id option does not affect the user ID used to perform the CLI operation itself. The user ID for the CLI operation is determined in the normal manner.
-m	-x	Use with -x to export revisions from the location specified in the metadata.
-n		Force 'No' response to all queries. Default is to prompt.
-q		Quiet. Display minimal text output.
-r		Renames or moves an archive or a directory of archives to the name/location specified in the <i>secondaryPath</i> . This operation is recursive if the <i>archivePath</i> specifies a directory rather than an archive.

Use this option...	With this syntax...	To do this...
-x		Exports the metadata and revision data of the archive specified in the <i>archivePath</i> and writes it to a single *.zip file as specified in the <i>secondaryPath</i> . The revisions are exported from the location implied by the <i>archivePath</i> . Use with the -m option to export revisions from the location specified in the metadata.
-xe	-x <i>file_name</i>	Redirects status, program, and error messages to <i>file_name</i> .
-xo	-x <i>file_name</i>	Redirects standard output to <i>file_name</i> .
-y		Force 'Yes' response to all queries. Default is to prompt.
-z		Copies or moves a directory and all sub-directories. Requires the -c , -d , or -r option.

