
dcache: Clears the remote library cache
dcache

ddcheckpoint

Creates a checkpoint on SGI IRIX

ddcheckpoint [*after_checkpointing*]
[*-by_process_set*] [*-no_park*] [*-force*]
[*-no_preserve_ids*] [*-ask_attach_parallel*]
[*-no_attach_parallel*] *name*

Creates a checkpoint on IBM AIX

ddcheckpoint [*-delete* | *-halt*]

dcont: Starts execution and waits for it to stop
dcont

dddelete

Deletes some action points

dddelete *action-point-list*

Deletes all action points

dddelete *-a*

ddetach: Detaches from the processes

ddetach

ddisable

Disables some action points

ddisable *action-point-list*

Disables all action points

ddisable *-a*

ddlopen

Loads a shared object library

ddlopen [*-now* | *-lazy*] [*-local* | *-global*]
[*-mode int*] *filespec*

Displays shared object library information

ddlopen [*-list dll-ids...*]

ddown: Moves down the call stack

ddown [*num-levels*]

dec2hex: Converts decimal into hexadecimal

TV::dec2hex *number*

denable

Enables some action points

denable *action-point-list*

Enables all disabled action points in focus

denable *-a*

dexamine

Display memory contents

dexamine [*-column_count cnt*]
[*-count cnt*] [*-data_only*]
[*-show_chars*] [*-string_length len*]
[*-format fmt*] [*-memory_info*]
[*-wordsize size*] *variable_or_expression*

dflush

Removes top suspended expression evaluation

dflush

Removes all suspended **dprint**

dflush *-all*

Removes **dprint** evaluations to suspended ID

dflush *susp-eval-id*

dfocus

Changes target of future CLI commands or returns current value

dfocus [*p/t-set*]

Executes a command in this P/T set

dfocus *p/t-set command*

dga: Displays global array variables

dga [*-lang lang_type*] [*handle_or_name*] [*slice*]

dgo: Resumes execution of target processes

dgo

dgroups

Adds members to thread and process groups

dgroups *-add* [*-g gid*] [*id-list*]

Deletes groups

dgroups *-delete* [*-g gid*]

Intersects a group with processes and threads

dgroups *-intersect* [*-g gid*] [*id-list*]

Prints process and thread group information

dgroups [*-list*] [*pattern*]

Creates a new thread or process group

dgroups *-new* [*thread_or_process*]
[*-g gid*] [*id-list*]

Removes members from groups

dgroups *-remove* [*-g gid*] [*id-list*]

dhalt: Suspends execution of processes

dhalt

dheap

Command are contained within the *Debuging Memory Problems Using TotalView* Guide.

dhold

Holds processes

dhold *-process*

Holds threads

dhold *-thread*

dkill: Terminates execution of processes

dkill

dlappend: Appends list to TotalView variable

dlappend *variable-name value* [...]

dlist

Displays code relative to current location

dlist [*-n num-lines*]

Displays code relative to a named location

dlist *source-loc* [*-n num-lines*]

Displays code relative to current PC location

dlist *-e* [*-n num-lines*]

dll: Manages shared libraries

TV::dll *action* [*dll-id-list*] [*other-args*]

dload: Loads debugging information

dload [*-g gid*] [*-r hname*]
[*-env variable=value*] ...
[*-mpi starter*] [*-starter_args argument*]
[{ *-np* | *-procs* | *-tasks* } *num*]
[*-nodes num*] [*-e*] *executable*

dmstat: Displays memory use information

dmstat

dnnext: Steps source lines, stepping over routines

dnnext [*num-steps*]

dnnexti: Steps assembly, stepping over routines

dnnexti [*num-steps*]

dout: Executes to just after place that called current routine

dout [*frame-count*]

dprint: Prints the value of variable/expression

dprint [*-nowait*] [*-slice slice_expr*]
variable_or_expression

dptsets: Shows process and thread status

dptsets [*ptset_array*] ...

drrun: Restarts processes

drrun [*cmd_arguments*] [*< infile*]
[*> > [&] outfile*]
[*2> >] errfile*]

drestart

Restarts a checkpoint on AIX

drestart [*-halt*] [*-g gid*] [*-r host*]
[*-no_same_hosts*]

Restarts a checkpoint on SGI

drestart [*process-state*] [*-no_unpark*]
[*-g gid*] [*-r host*]
[*-ask_attach_parallel*]
[*-no_attach_parallel*]
[*-no_preserve_ids*] *checkpoint-name*

drun: Starts or restarts processes

drun [*cmd_arguments*] [*< infile*]
[*> > [&] outfile*]
[*2> >] errfile*]

dset

Creates or changes a CLI state variable

dset [*-new*] *debugger-var value*

Views current CLI state variables

dset [*debugger-var*]

Sets the default for a CLI state variable

dset *-set_as_default debugger-var value*

dstatus: Shows process/thread status

dstatus

dstep: Steps lines, stepping into routines

dstep [*num-steps*]

dsteppi: Steps assembly, stepping into routines

dsteppi [*num-steps*]

dunhold

Releases a process

dunhold *-process*

Releases a thread

dunhold *-thread*

dunset

Restores a CLI variable to its default value

dunset *debugger-var*

Restores all CLI variables to default values

dunset *-all*

duntil

Runs to a line

duntil *line-number*

Runs to an address

duntil *-address addr*

Runs into a function

duntil *proc-name*

dup: Moves up the call stack

dup [*num-levels*]

dwait: Blocks command input until processes stop

dwait

dwatch

Defines a watchpoint for a variable

dwatch *variable* [*-length byte-count*]
[*-p* | *-g* | *-t*]
[[*-l lang*] *-e expr*] [*-t type*]

Defines a watchpoint for an address

dwatch *-address addr* *-length byte-count*
[*-p* | *-g* | *-t*]
[[*-l lang*] *-e expr*] [*-t type*]

dwhat: Determines what a name refers to

dwhat *symbol-name*

dwhere:

Displays locations in the call stack

dwhere [*num-levels*] [*-args*]

Displays all locations in the call stack

dwhere *-args* [*-args*]

dworker: Adds/removes thread from workers group

dworker { *number* | *boolean* }



CLI Command Summary

errorCodes
Returns a list of all error code tags
TV::errorCodes

Returns or raises error information
TV::errorCodes *number_or_tag*
[**-raise** [*message*]]

exit: Terminates CLI session
exit [**-force**]

expr: Manipulates **dprint -nowait** values
TV::expr **action** [*susp-eval-id*] [*other-args*]

focus_groups: Returns list of groups in focus
TV::focus_groups

focus_processes: Returns list of processes in focus
TV::focus_processes [**-all** | **-group** | **-process** | **-thread**]

focus_threads: Returns list of threads in focus
TV::focus_threads [**-all** | **-group** | **-process** | **-thread**]

group: Gets and sets group properties
TV::group **action** [*object-id*] [*other-args*]

help: Displays help information
help [*topic*]

hex2dec: Converts to decimal
TV::hex2dec *number*

process: Gets and sets process properties
TV::process **action** [*object-id*] [*other-args*]

quit: Terminates CLI session
quit [**-force**]

read_symbols
Reads symbols from libraries
TV::read_symbols -lib *lib-name-list*

Reads symbols from libraries associated with a stack frame
TV::read_symbols -frame [*number*]

Reads symbols for all frames in backtrace
TV::read_symbols -stack

respond: Provides responses to commands
TV::respond *response command*

scope: Sets/gets internal scope properties
TV::scope **action** [*object-id*] [*other-args*]

source_process_startup: "Sources" a .tvd file when a process is loaded
TV::source_process_startup *process_id*

stty: Sets terminal properties
stty [*stty-args*]

symbol: Gets and sets TotalView symbol information
TV::symbol **action** [*object-id*] [*other-args*]

thread: Gets and sets thread properties
TV::thread **action** [*object-id*] [*other-args*]

type: Gets and sets type properties
TV::type **action** [*object-id*] [*other-args*]

type_transformation: Creates type transformation and examines its properties
TV::type_transformation **action**
[*object-id*] [*other-args*]

unalias
Removes an alias
unalias *alias-name*

Removes all aliases
unalias -all

actionpoint: Gets/sets action point properties
TV::actionpoint **action** [*obj-id*] [*other-args*]

alias
Creates user-defined command pseudonym
alias *alias-name defn-body*

Views previously defined aliases
alias [*alias-name*]

capture: Returns command's output as string
capture [**-out** | **-err** | **-both**]
[**-f** *filename*] *command*

dactions
Displays information about action points
dactions [*ap-id-list*] [**-at** *source-loc*]
[**-enabled** | **-disabled**]

Saves action points to a file
dactions -save [*filename*]

Loads previously saved action points
dactions -load [*filename*]

dassign: Changes the value of a scalar variable
dassign *target value*

dattach: Brings processes under CLI control
dattach [**-g** *gid*] [**-r** *hname*] [**-rank** *num*]
[**-ask_attach_parallel** | **-no_attach_parallel**]
[**-c** *corefile-name*] [**-e**] *fname* [*pid-list*]

dbarrier
Creates barrier breakpoint at a location
dbarrier *source-loc*
[**-stop_when_hit** { *group* | *process* | *none* }]
[**-stop_when_done** { *group* | *process* | *none* }]

Creates a barrier breakpoint at an address
dbarrier -address *addr*
[**-stop_when_hit** { *group* | *process* | *none* }]
[**-stop_when_done** { *group* | *process* | *none* }]

dbreak
Creates a breakpoint at a source location
dbreak *loc* [**-p** | **-g** | **-t**] [[**-l** *lang*] **-e** *expr*]

Creates a breakpoint at an address
dbreak -address *addr* [**-p** | **-g** | **-t**]
[[**-l** *lang*] **-e** *expr*]

Instructions for Folding

1. Print double-sided.
2. Before printing, set your print properties. While the exact setting differs from printer to printer, the change is often to "Flip on short edge".
3. Place the sheet so that the TotalView Technologies logo is facing up.
4. Fold the page in half so that you no longer see the logo. That is, you'll now see the CLI's **dcache** command in the upper-left corner.
5. Take the top folded page and fold it in half so that you can now see the logo.
6. Turn the sheet over so that you see *Indicates which filters to use* in the upper-left corner.
7. Fold this side in half so that you see the CLI's **dset** command in the upper left-corner.