Last updated: Snit V1.0

TYPE VARIABLES

Snit\_info Introspection Array. Keys and values are as

follows:

hasinstances Boolean. Normally T, but F if pragma -hasinstances no

simpledispatch Uses a very simple method dispatcher.

canreplace Boolean. Normally F, but T if pragma -canreplace yes

counter Integer counter. Used to generate unique names.

widgetclass Tk widget class name for snit::widgets

hulltype Hull widget type (frame or toplevel) for

snit::widgets.

ns The type namespace, "$type::". UNUSED.

exceptmethods Method names excluded from delegate method \*.

excepttypemethods Typemethod names excluded from delegate typemethod \*.

tvardecs Type variable declarations--for dynamic

methods.

ivardecs Instance variable declarations--for dynamic

methods.

isWidget Boolean; true if object is a widget or

widgetadaptor.

isWidgetAdaptor Boolean; true if object is a widgetadaptor

Snit\_methods List of method names; defined only when

-simpledispatch yes.

Snit\_typemethodInfo Array(method name) = {<flag> ?<pattern> <compName>?}

where <flag> is 1 if the method has submethods

(in which case the other fields

are missing) and 0 if it doesn't.

<compName> is "" for normal typemethods

and "method name" can be "\*". Used in

typemethod cache lookup to create the command

for the named typemethod.

Snit\_typecomponents Array(typecomponent name) = command\_name

Used whenever we need to retrieve the

typecomponent's command.

Snit\_methodInfo Array(method name) = {<flag> ?<pattern> <compName>?}

where <flag> is 1 if the method has submethods

(in which case the other fields

are missing) and 0 if it doesn't.

<compName> is "" for normal methods and

"method name" can be "\*". Used in

method cache lookup to create the command for

the named method.

Snit\_optionInfo An array of option data. The keys are as follows:

General fields:

local List of local option names.

delegated List of explicitly delegated option names.

starcomp Name of component for "delegate option \*" or ""

except List of option names explicitly NOT delegated

by "delegate option \*".

Fields defined for all locally defined and explicitly delegated options:

islocal-$opt 1 if local, 0 otherwise. Currently undefined

for "delegate option \*" options.

resource-$opt The option's resource name.

class-$opt The option's class name.

Fields defined only for locally defined options

default-$localOpt Default value.

validate-$localOpt The name of the validate method, or "".

configure-$localOpt The name of the configure method, or "".

cget-$localOpt The name of the cget method, or "".

readonly-$localOpt true or false. (false is the default).

typespec-$localOpt Validation type specification (object name or

construction list)

typeobj-$localOpt Validation type object

Fields defined only for delegated options

delegated-$comp List of option names delegated to this component.

target-$opt [list component targetOptionName].

INSTANCE VARIABLES

Snit\_iinfo Array, instance info. At some point,

Snit\_instance and Snit\_components should

probably be consolidated into it. The fields

are:

constructed 0 during instance construction, and 1 after.

Snit\_instance Current name of the instance command.

Snit\_components Array(component name) = command\_name

Used whenever we need to retrieve the

component's command.

Consider consolidating the following arrays into a single array, since

they are all cleared at the same time.

Snit\_cgetCache Array(option name) = cached command.

Used by $self cget.

Snit\_configureCache Array(option name) = cached command.

Used by $self configurelist.

Snit\_validateCache Array(option name) = cached command.

Used by $self configurelist. The entry is ""

if there is no validate command.