



Linux Ubuntu 26.04 Manual Pages on command 'XtOwnSelection.3'

\$ man XtOwnSelection.3

XtOwnSelection(3) XT FUNCTIONS XtOwnSelection(3)

NAME

XtOwnSelection, XtOwnSelectionIncremental, XtDisownSelection - set selection owner

SYNTAX

```
#include <X11/Intrinsic.h>
```

```
Boolean XtOwnSelection(Widget w, Atom selection, Time time, XtConvertSelectionProc con?  
vert_proc, XtLoseSelectionProc lose_selection, XtSelectionDoneProc done_proc);
```

```
Boolean XtOwnSelectionIncremental(Widget w, Atom selection, Time time, XtConvertSelectionIn?  
crProc convert_callback, XtLoseSelectionIncrProc lose_callback, XtSelectionDoneIncr?  
Proc done_callback, XtCancelConvertSelectionProc cancel_callback, XtPointer  
client_data);
```

```
void XtDisownSelection(Widget w, Atom selection, Time time);
```

ARGUMENTS

convert_proc

Specifies the procedure that is to be called whenever someone requests the current value of the selection.

`done_proc` Specifies the procedure that is called after the requestor has received the selection or NULL if the owner is not interested in being called back.

`lose_selection`

Specifies the procedure that is to be called whenever the widget has lost selection ownership or NULL if the owner is not interested in being called back.

`selection` Specifies an atom that describes the type of the selection (for example, `XA_PRIMARY`, `XA_SECONDARY`, or `XA_CLIPBOARD`).

`time` Specifies the timestamp that indicates when the selection ownership should commence or is to be relinquished.

`w` Specifies the widget that wishes to become the owner or to relinquish ownership.

DESCRIPTION

The `XtOwnSelection` function informs the Intrinsics selection mechanism that a widget believes it owns a selection. It returns True if the widget has successfully become the owner and False otherwise. The widget may fail to become the owner if some other widget has asserted ownership at a time later than this widget. Note that widgets can lose selection ownership either because someone else asserted later ownership of the selection or because the widget voluntarily gave up ownership of the selection. Also note that the `lose_selection` procedure is not called if the widget fails to obtain selection ownership in the first place.

The `XtOwnSelectionIncremental` procedure informs the Intrinsics incremental selection mechanism that the specified widget wishes to own the selection. It returns True if the specified widget successfully becomes the selection owner or False otherwise. For more information about selection, target, and time, see Section 2.6 of the *Inter-Client Communication Conventions Manual*.

A widget that becomes the selection owner using `XtOwnSelectionIncremental` may use `XtDisownSelection` to relinquish selection ownership.

The `XtDisownSelection` function informs the Intrinsic selection mechanism that the specified widget is to lose ownership of the selection. If the widget does not currently own the selection either because it lost the selection or because it never had the selection to begin with, `XtDisownSelection` does nothing.

After a widget has called `XtDisownSelection`, its convert procedure is not called even if a request arrives later with a timestamp during the period that this widget owned the selection. However, its done procedure will be called if a conversion that started before the call to `XtDisownSelection` finishes after the call to `XtDisownSelection`.

SEE ALSO

`XtAppGetSelectionTimeout(3)`, `XtGetSelectionValue(3)`

X Toolkit Intrinsic - C Language Interface

Xlib - C Language X Interface

X Version 11

libXt 1.2.1

`XtOwnSelection(3)`