

NAME

XtCreateSelectionRequest, XtSendSelectionRequest, XtCancelSelectionRequest – bundle multiple selection conversion requests into a single request using MULTIPLE target

SYNTAX

void XtCreateSelectionRequest(Widget *requestor*, Atom *selection*):

void XtSendSelectionRequest(Widget *requestor*, Atom *selection*, Time *time*);

void XtCancelSelectionRequest(Widget *requestor*, Atom *selection*);

ARGUMENTS

requestor Specifies the widget making the request. Must be of class Core or a subclass thereof.

selection Specifies the particular selection desired.

time Specifies the timestamp to be used in making the request.

DESCRIPTION

When **XtCreateSelectionRequest** is called, subsequent calls to **XtGetSelectionValue** and **XtGetSelectionValueIncremental** with the requestor and selection as specified to **XtCreateSelectionRequest** will be bundled into a single selection conversion request with multiple targets. The request is actually initiated by calling **XtSendSelectionRequest**.

When **XtSendSelectionRequest** is called with a value of *requestor* and *selection* matching a previous call to **XtCreateSelectionRequest**, a selection conversion request is actually sent to the selection owner. If a single target request is queued, that request is made. If multiple targets are queued they are bundled into a single request with the target MULTIPLE using the specified timestamp. As the conversions are made, the callbacks associated with each **XtGetSelectionValue** and **XtGetSelectionValueIncremental** are invoked in turn.

Multi-threaded applications should lock the application context before calling **XtCreateSelectionRequest** and release the lock after calling **XtSendSelectionRequest** to ensure that the thread assembling the request is safe from interference by another thread assembling a different request naming the same widget and selection.

When **XtCancelSelectionRequest** is called, any requests queued since the last call to **XtCreateSelectionRequest** are cleaned up. Subsequent calls to **XtGetSelectionValue**, **XtGetSelectionValues**, **XtGetSelectionValueIncremental**, and **XtGetSelectionValuesIncremental** will not be deferred.

SEE ALSO

X Toolkit Intrinsics – C Language Interface

Xlib – C Language X Interface