

XtConfigureWidget, XtMoveWidget, XtResizeWidget – move and resize widgets

```
void XtConfigureWidget(w, x, y, width, height, border_width)
```

```
Widget w;  
Position x;  
Position y;  
Dimension width;  
Dimension height;  
Dimension border_width;
```

```
void XtMoveWidget(w, x, y)
```

```
Widget w;  
Position x;  
Position y;
```

```
void XtResizeWidget(w, width, height, border_width)
```

```
Widget w;  
Dimension width;  
Dimension height;  
Dimension border_width;
```

```
void XtResizeWindow(w)
```

```
Widget w;
```

width

height

border_width Specify the new widget size.

w Specifies the widget.

x

y Specify the new widget x and y coordinates.

The **XtConfigureWidget** function returns immediately if the specified geometry fields are the same as the old values. Otherwise, **XtConfigureWidget** writes the new *x*, *y*, *width*, *height*, and *border_width* values into the widget and, if the widget is realized, makes an Xlib **XConfigureWindow** call on the widget's window.

If either the new *width* or *height* is different from its old value, **XtConfigureWidget** calls the widget's resize procedure to notify it of the size change; otherwise, it simply returns.

The **XtMoveWidget** function returns immediately if the specified geometry fields are the same as the old values. Otherwise, **XtMoveWidget** writes the new *x* and *y* values into the widget and, if the widget is realized, issues an Xlib **XMoveWindow** call on the widget's window.

The **XtResizeWidget** function returns immediately if the specified geometry fields are the same as the old values. Otherwise, **XtResizeWidget** writes the new *width*, *height*, and *border_width* values into the widget and, if the widget is realized, issues an **XConfigureWindow** call on the widget's window.

If the new *width* or *height* are different from the old values, **XtResizeWidget** calls the widget's resize procedure to notify it of the size change.

The **XtResizeWindow** function calls the **XConfigureWindow** Xlib function to make the window of the specified widget match its *width*, *height*, and *border width*. This request is done unconditionally because there is no way to tell if these values match the current values. Note that the widget's resize procedure is not called.

There are very few times to use **XtResizeWindow**; instead, you should use **XtResizeWidget**.

XtMakeGeometryRequest(3Xt), XtQueryGeometry(3Xt)
X Toolkit Intrinsic – C Language Interface
Xlib – C Language X Interface