

Control Object Properties

DireXions 2026

Control Object Properties

- Control Object Properties provide greater control over the appearance and behavior of graphical controls — dynamically at runtime
- Why use them?
  - Modernize existing application interfaces
  - Customize control appearance and behavior
  - Modify control properties without recreating controls
  - Improve application usability
- Supported in both NOMADS and non-NOMADS environments

New Properties

Property	Description	Controls
CBCornerRadius$	Supports rounded corners for standard check boxes	Check Box Tri-State Check Box
CornerRadius$	Supports rounded corners for controls	Button Check Box (image) Drop Box List Box Multi-Line Radio Button (image) Tri-State Check Box (image) Variable Drop Box

New Properties

Property	Description	Controls
FieldHeight	Controls the height of the drop box input and drop list area in pixels	Drop Box Variable Drop Box
FocusRect	Suppress or display the dotted focus rectangle on controls	Button Check Box Drop Box List Box Radio Button Tri-State Check Box

Corner Radius Property

- New CornerRadius property sets the corner radius for applicable controls
- Works only in 4D mode
- Buttons are flat
- Various property values are available for each control type
  - Null - Property is not set
  - Round - Sets the default radius of 3 for round corners
  - Square - Sets the default radius of 0 for square corners
  - Value - Enter a value from 0 to 255 inclusive. Depends on control type

Note: Corner rounding is limited based on the control type and/or the control size

Corner Radius Property

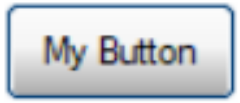
Supported Controls

Control	Supported Range	Property Name
Button	0 to 255 inclusive	CornerRadius$
Check Box, Tri-State Check Box Standard	0 to 255 inclusive	CBCornerRadius$
Check Box Tri-State Check Box with Image	0 to 255 inclusive	CornerRadius$
Drop Box, Variable Drop Box	0 to 3 inclusive	CornerRadius$
List Box	0 to 8 inclusive	CornerRadius$
Multi-Line	0 to 7 inclusive	CornerRadius$
Radio Button with Image	0 to 255 inclusive	CornerRadius$

- All controls set to Round will have a default round radius of 3

Corner Radius Example - Button

print '4D'
x=100
Button x, @(10, 10, 12, 2)="My Button"



x'cornerradius$="round"



x'cornerradius$="30"



x'cornerradius$="square"



z=101
Button z,@(10.10,6.3)="{!X}"



z'cornerradius$="round"



z'cornerradius$="30"



Corner Radius Example – Standard Check Box

print '4D'
x=100
Check Box x, @(10, 10, 15, 1)="My Check Box"



x'cbcornerradius$="round"



x'cbcornerradius$="10"



x'cbcornerradius$="square"



Focus Rectangle Property

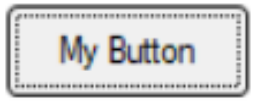
- New FocusRect property controls whether the focus rectangle is displayed when a control has focus
- Can be shown or suppressed for a cleaner, more modern interface
- Provides greater control over the visual appearance of focused controls
- Can be configured for individual controls
- Supported across a variety of graphical controls

Focus Rectangle Example – Button/Check Box

print '4D'
x=100
Button x, @(10, 10, 12, 2)="My Button"



x'cornerradius$="round"



x'focusrect=0



print '4D'
x=100
check_box x,@(10,10,15,1)="My Checkbox"



x'focusrect=0



x'CBcornerradius$="round"

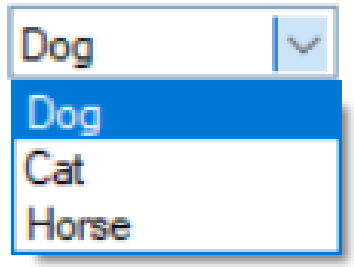


Field Height Property

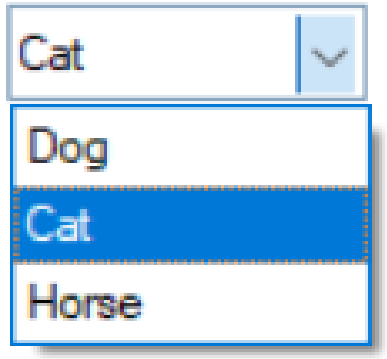
- New FieldHeight property for Drop Box and Variable Drop Box controls
- Controls the height of the input area and drop-down entries in pixels
- Applies the same height to each line in the drop-down section
- Vertically centers text within the control
- Provides greater flexibility for creating larger, cleaner, and more modern controls

Field Height Example – Drop Box

x=100
drop_box x,@(10,10,12,6)
drop_box load x,"Dog/Cat/Horse"



fieldheight=20



fieldheight=40

