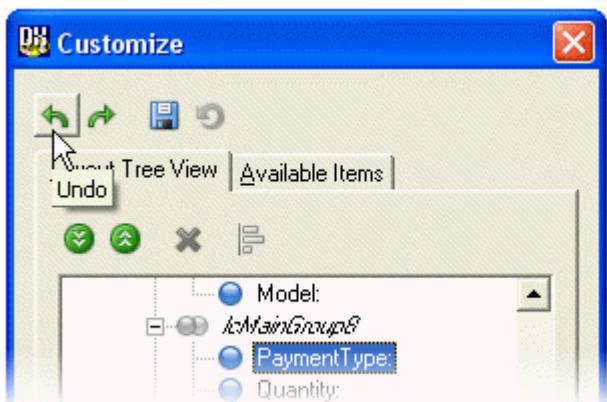


Thank you for your interest in the ExpressLayout Control Suite v2 Beta. This document contains a summary of the new features we will introduce in **ExpressLayout Control Suite v2**. Please note that the features described here are subject to change prior to the official release.

Many of the new features presented here were introduced as a result of customer feedback. We thank everyone who submitted suggestions to us. For reference purposes, we've included the appropriate Support Center ID in parenthesis.

- **New in Beta 3**

- Multiple Undo/Redo Support. At runtime, end-users can sequentially undo/redo operations by clicking corresponding buttons within the Customization Form.



In code, you can use members of the layout control's `UndoRedoManager` property to manage undo/redo operations. The following code snippet demonstrates how to undo all operations:

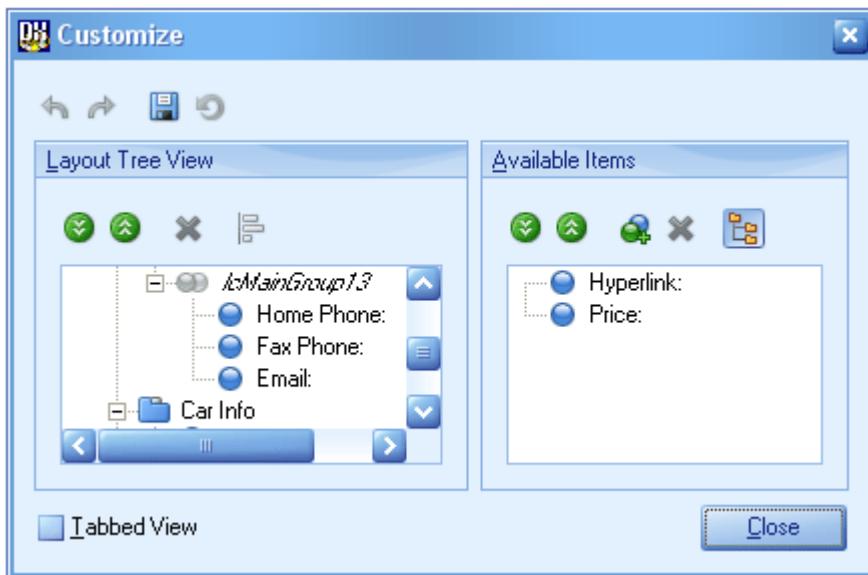
```
while layoutControl.UndoRedoManager.CanUndo do
  layoutControl.UndoRedoManager.Undo;
```

- Item Caption Image (S31729) - Along with the text, an image can also be provided for the item caption. You have two display options:
  - Assign an image via a layout item's `CaptionOptions.Glyph` property.
  - Provide an image list via the layout control's `OptionsImage.Images` / `OptionsImage.DisabledImages` properties and specify an image from the list via the layout item's `CaptionOptions.ImageIndex` property.



Use a layout item's `CaptionOptions.VisibleElements` property to specify the visibility of the item's image.

- The enabled state of layout items and linked controls is now synchronized (S33110).
- The Customization Form now supports skins and look and feel styles (S132118). This completes the look and feel support introduced in Beta1.



- **New Layout Capabilities**

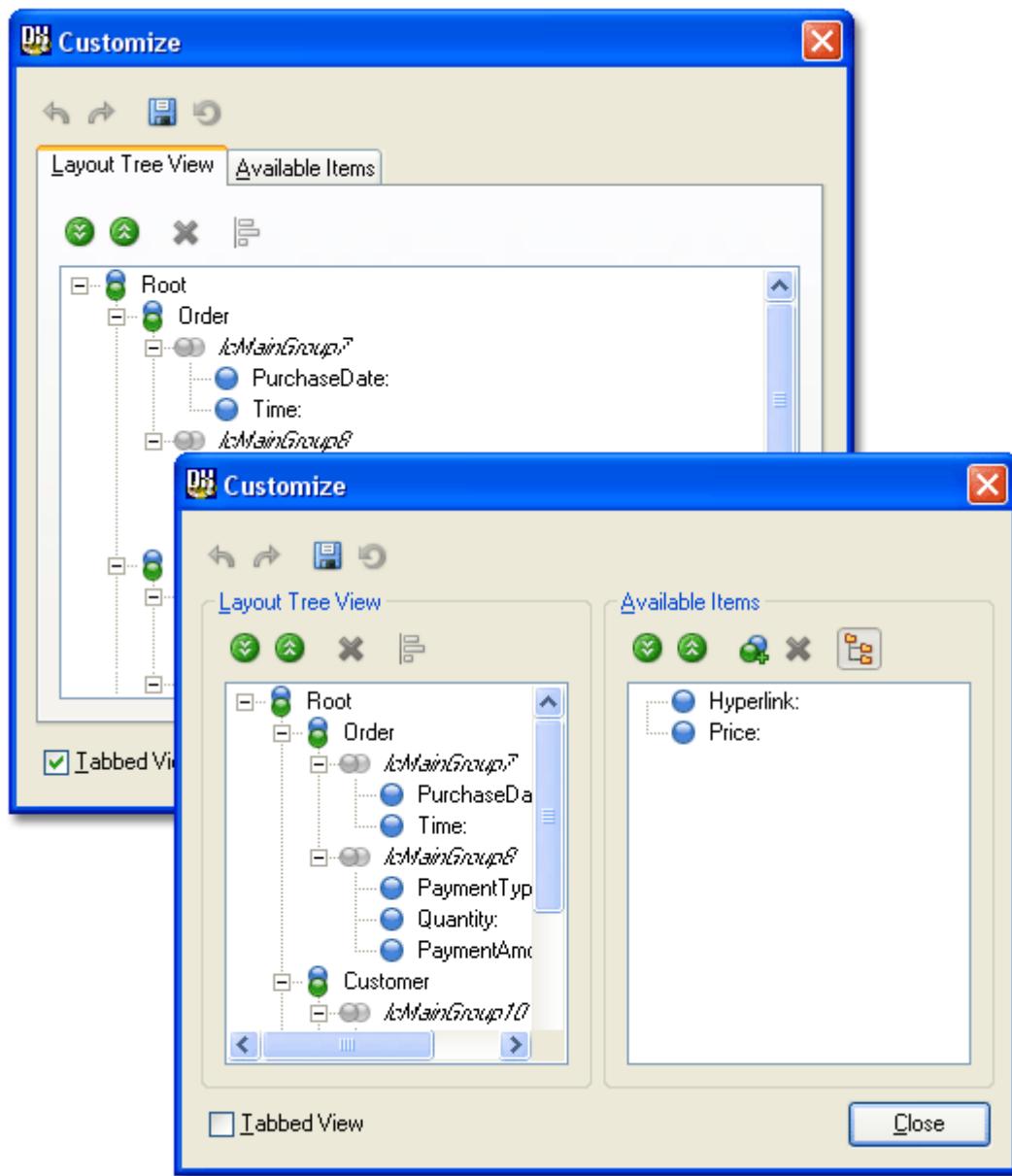
- Tabbed Groups (B3623). Tabbed groups mimic the behavior of a tab control. Standard layout groups and layout items can be represented as tab pages in the layout control. To organize within tabs, set the parent group's LayoutDirection to `IdTabbed`.



- **Appearance Improvements**

- Look and Feel support (S32514). The layout control now provides the following painting/style options:
  - A style can now be applied from one of three built-in styles or from five predefined `TcxLookAndFeel` styles.
  - Skinning support. **Important Note:** The support for skins is provided by the **ExpressSkins Library**. This is not shipped with the layout control, and must be purchased separately.

- The TcxLookAndFeelController component can now be used with the TdxLayoutLookAndFeel component to paint the layout control and its children with a common look and feel.
- **Customization Capabilities**
  - Customization Form Improvements (S31371).
    - The Customization Form contains two panes: the Layout Tree View and Available Items. These panes can either be displayed side-by-side or as tab pages. A layout hierarchy is represented in these panes as a tree.

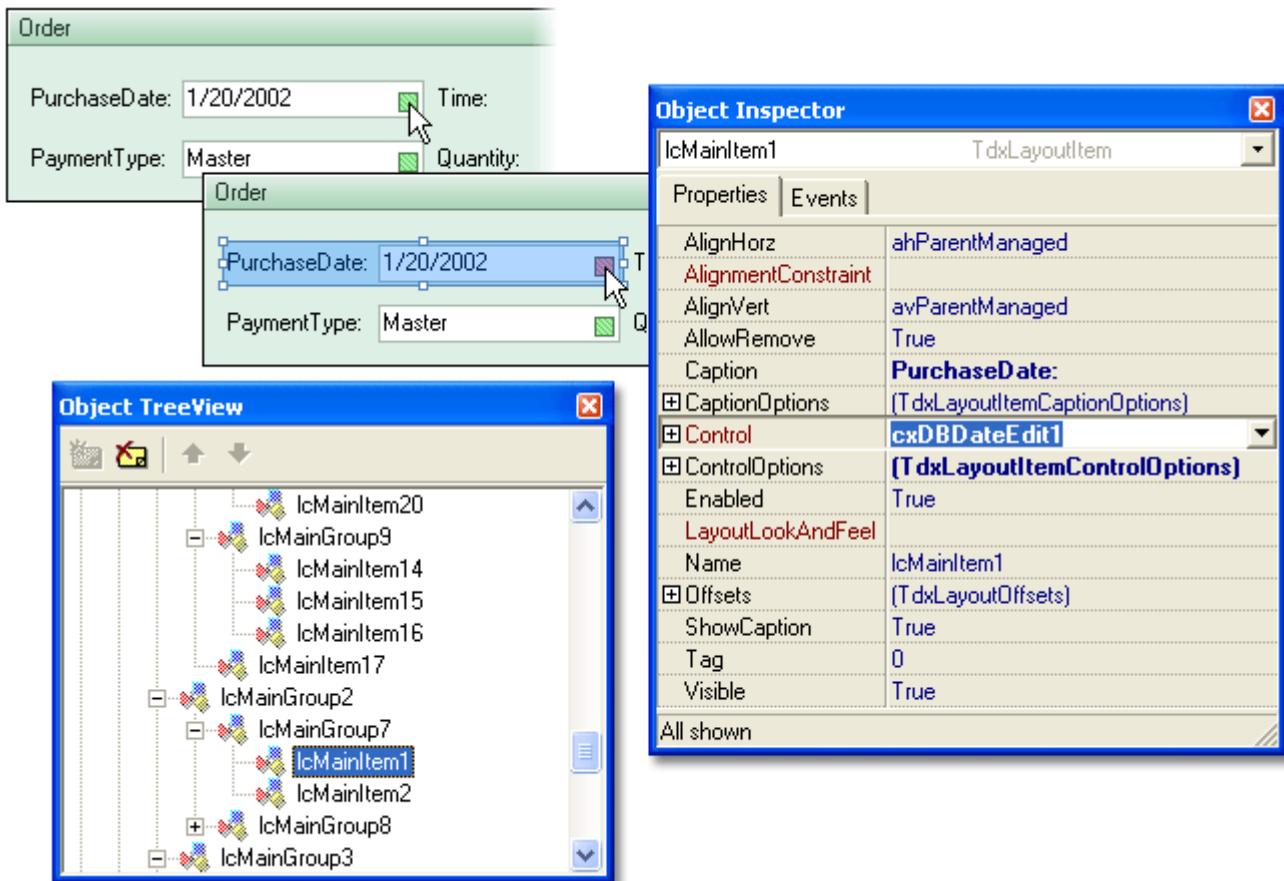


- At design time, the Customization Form displays buttons that allow the expanding or collapsing of a tree, deleting an item, highlighting a root group, and controlling the visibility of item selectors.
- At runtime, instead of the Highlight Root and Show Design Selectors buttons the Customization Form displays buttons that allow an end-user to save or restore the layout.

- Selecting an item in a layout control on the form selects the relevant tree element in the Customization Form, and vice versa. (The corresponding elements are also automatically highlighted in the IDE's Object TreeView when working at design time).
- Form auto-sizing (S32513). To enable this feature, set the layout control's Autosize property to True, the root group's AlignHorz property to ahLeft and the AlignVert property to avTop, and the form's Autosize property to True.

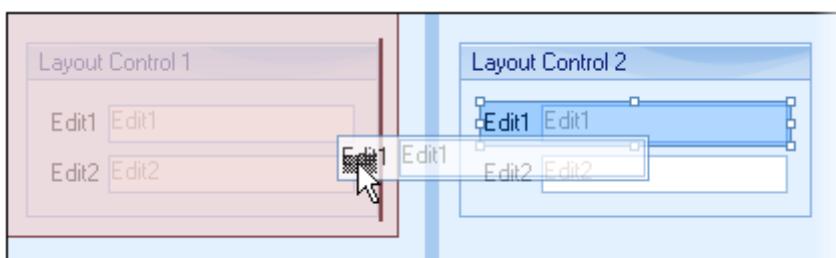
- **Design-Time Customization**

- Layout Item Selectors. For quick access to items, each item is provided with a selector – a rectangle with green diagonal stripes. Item selection is enabled if the Customization Form is hidden.

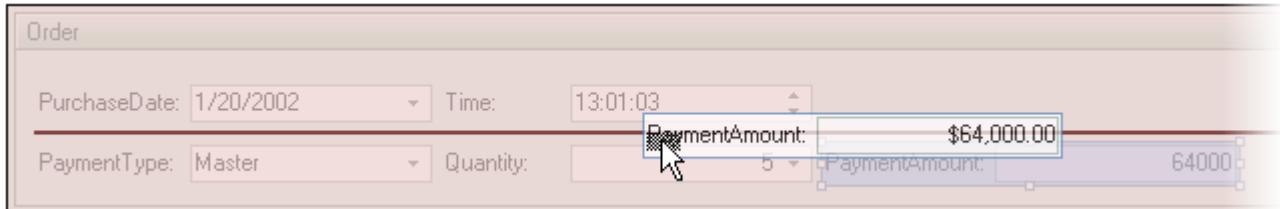


- **Drag and Drop Improvements**

- Drag and drop operations between different layout controls (S90646). Items or groups can now be dragged from one layout control to another.



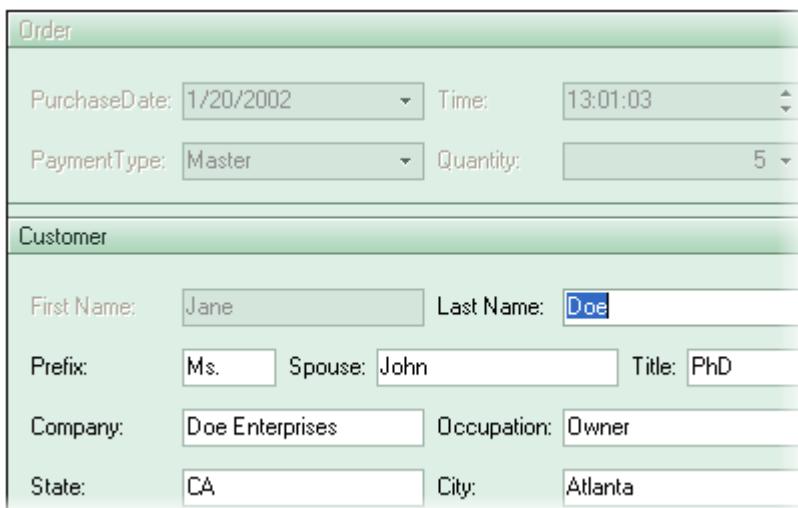
- More intuitive positioning. While dragging, the layout control keeps track of the mouse pointer and estimates the target space relative to the neighbor controls, anticipating your action. It simultaneously highlights the target container and the target location, facilitating the drop operation for you.



The screenshot shows a 'PaymentAmount' section within a layout control. The 'PaymentAmount' label and its input field are highlighted with a blue selection box, indicating the target for a drag operation.

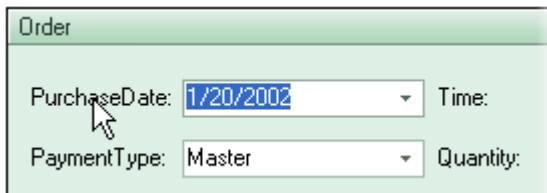
- Miscellaneous**

- Design-Time Keyboard Shortcuts Support.
  - Selected items can be deleted using the **Del** key.
  - Container Hierarchy Navigation with the **Esc** key. By pressing the **Esc** key, you can navigate up the container hierarchy.
- Automatic disabling of items owned by disabled parents (B95464) - if the group is disabled (the group's Enabled property is False), captions of contained items are grayed. If the item is disabled (the item's Enabled property is False), the control it displays is also disabled.



The screenshot shows a 'Customer' section within a layout control. The 'Customer' section is highlighted with a green selection box, indicating the target for a drag operation.

- Control Focus (S20119). A linked control can be focused by clicking the layout item's caption. To allow this operation, activate the layout control's `FocusControlOnItemCaptionClick` option (this can only be used at runtime).



The screenshot shows a 'PurchaseDate' section within a layout control. The 'PurchaseDate' label and its input field are highlighted with a blue selection box, indicating the target for a drag operation.

- Runtime Layout Persistence Support. The layout information can now be persisted from within the Customization Form.

- **Features Planned in the Official Release**

The following features are also planned in the official release. However, this list is subject to change prior to the release.

- Use of layout item selectors for selection of linked controls when the Customization Form is open.
- Target Location Selection - provides a choice of target locations for end-users when they start dragging an item.
- Support for expandable groups (DS6053). End-users can quickly hide or display group contents by collapsing or expanding groups.
- On-Form Layout Item Resizing (AS5146).
- Transparency Support (AS15337). Provides optional transparency of the layout control.
- Layout Item Settings Runtime Customization (DS4103). End-users can change settings of layout items at runtime in customization mode.
- Group Custom Buttons (S92284). Ability to display action buttons in the group's caption that can be used for custom actions.
- Smart Layout Import. The layout control can now recognize the more advanced layout of items imported from external controls.