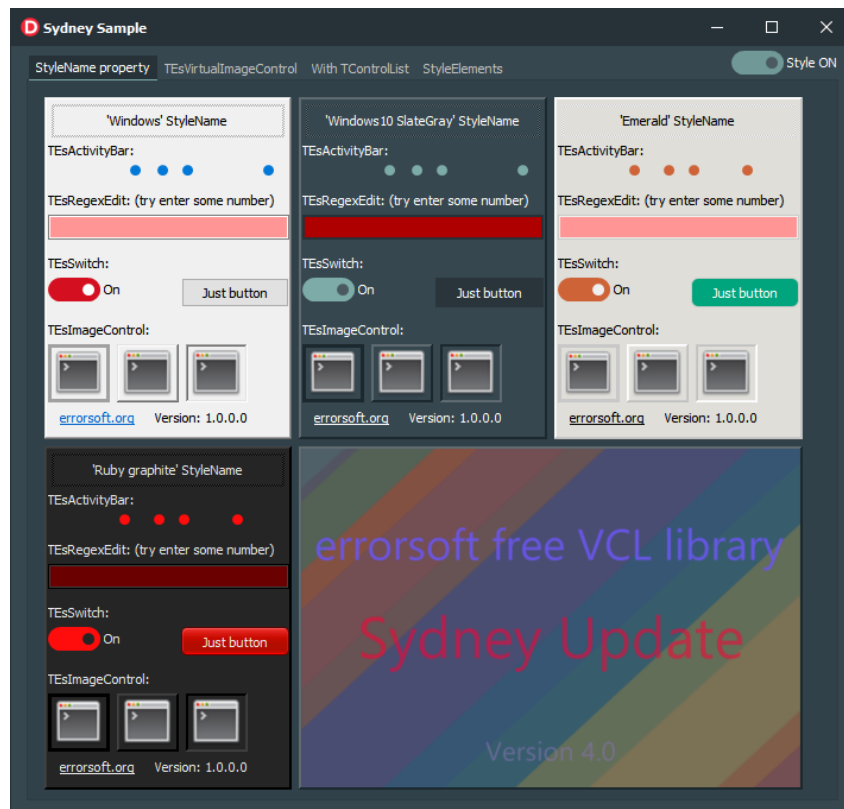




errorsoft VCL components v4.0

Release notes

This is big release free open source library **errorsoft VCL components**.

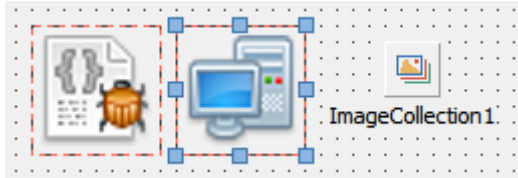


What's new?

New components

Two new components for Delphi 10.4 Sydney: **TEsVirtualImage**, **TEsVirtualImageControl**.

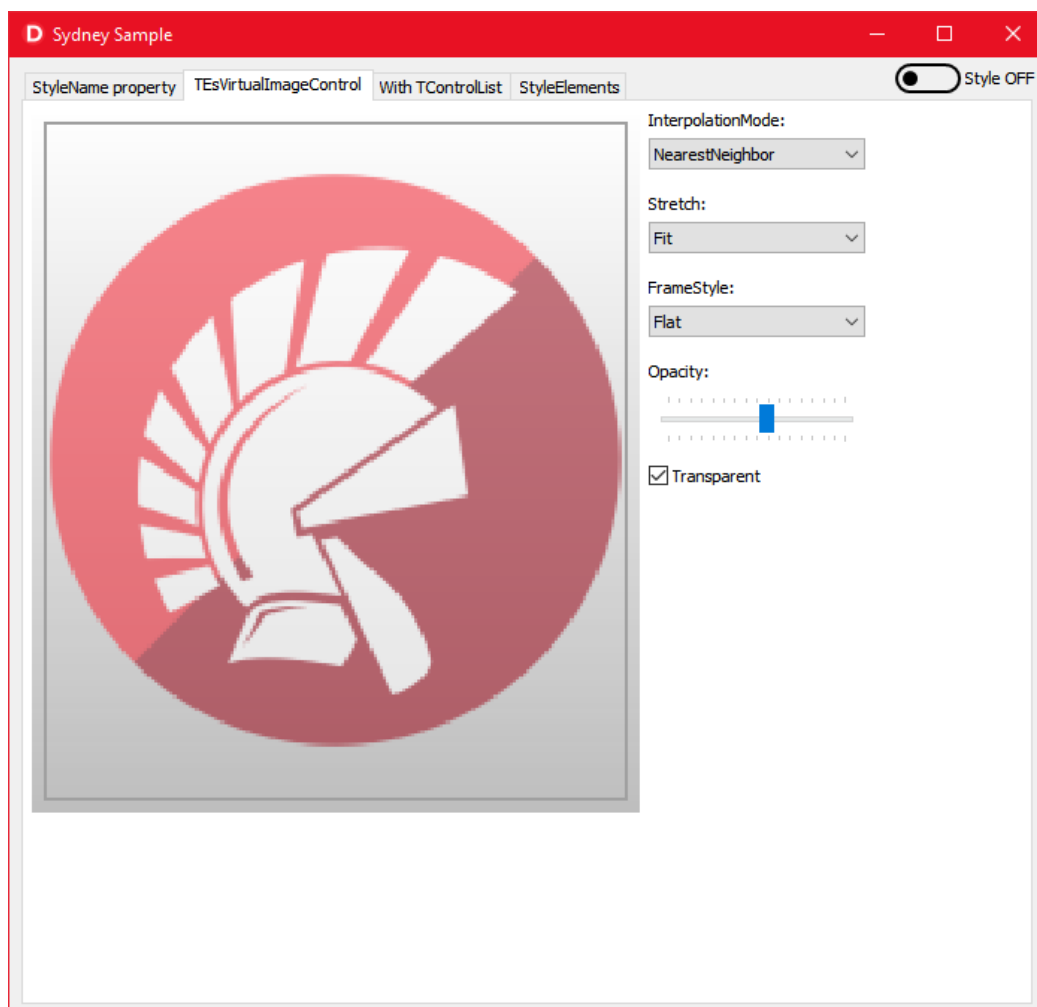
These components are similar to TEsImage and TEsImageControl but with support for TImageCollection.



TEsVirtualImage and TEsVirtualImageControl provide additional capabilities such as:

- Adjustable opacity
- Configurable pixel interpolation mode
- New stretch modes
- Ability to set a frame with style
- Ability to set background color
- Border support
- And of course - TEsVirtualImageControl doesn't flicker

The best way to explore this feature is to look at the "Sydney Sample":



Rewritten ES.BaseControls.pas

This module had a long history and support for XP and Delphi 7. This resulted in a bit of confusing code and a lot of IFDEFs, and the module was really hard to support. Starting with this release, the minimum supported version of Windows is Windows 7, as well as Delphi XE2.

The end of support for XP allowed for many optimizations, as well as many rendering enhancements:

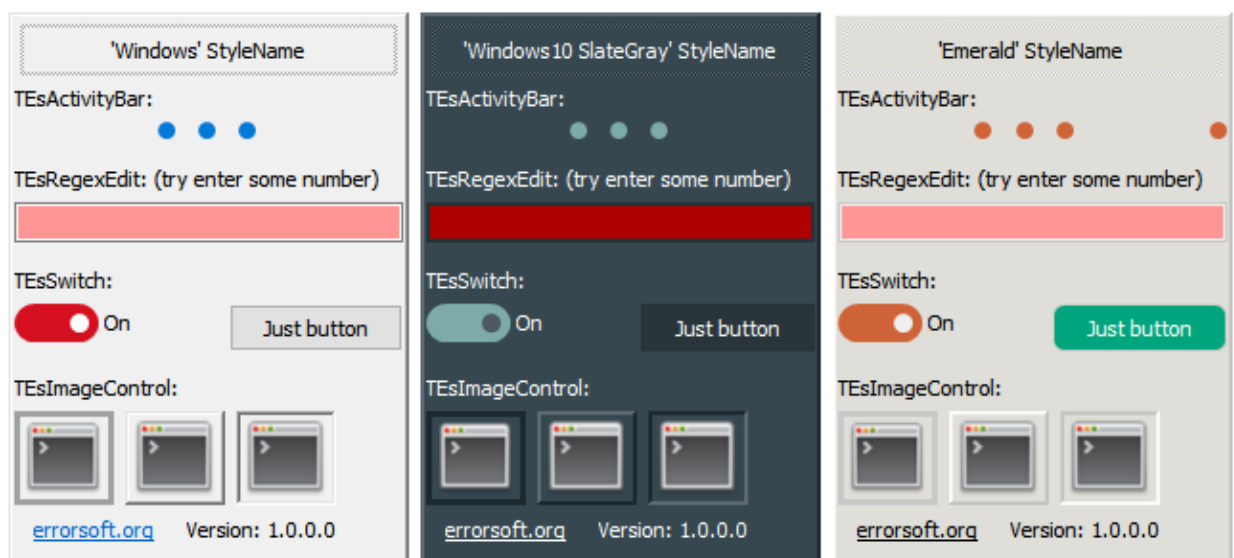
- Faster DWM buffering is now used by default.
- The code has been cleaned up and some documentation has appeared.
- Improved style support.
- And more...

```
/// <summary>
/// BufferedChildren is an improved double buffering that suppresses flickering for child graphics controls.
/// </summary>
property BufferedChildren: Boolean read FBufferedChildren write SetBufferedChildren stored IsBufferedChildrenStored;
/// <summary>
/// If IsCachedBuffer is true, then the double buffering buffer will be persisted between draw calls, this is faster,
/// but causes more memory consumption.
/// </summary>
property IsCachedBuffer: Boolean read FIsCachedBuffer write SetIsCachedBuffer default False;
/// <summary>
/// IsCachedBackground allows you to persist the background image between draw calls.
/// Accelerates rendering, but when the background changes, you must manually call UpdateBackground.
/// </summary>
property IsCachedBackground: Boolean read FIsCachedBackground write SetIsCachedBackground default False;
/// <summary>
/// If True then control will be drawing the halt-tone frame, helps to more accurately position the control in the design time.
/// </summary>
property IsDrawHelper: Boolean read FIsDrawHelper write SetIsDrawHelper default False;
```

Full support individual control styling

In Delphi 10.4 added support for setting different styles for different controls using the StyleName property.

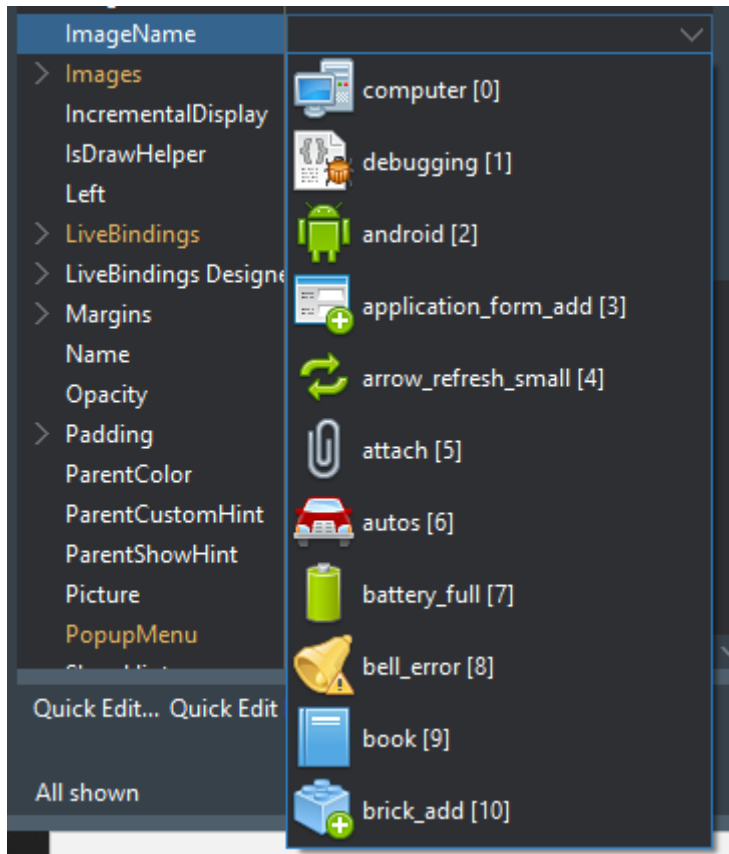
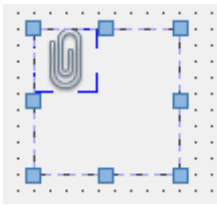
Full support for this feature has been added to the library, all components support individual styling.



TVirtualImageList support

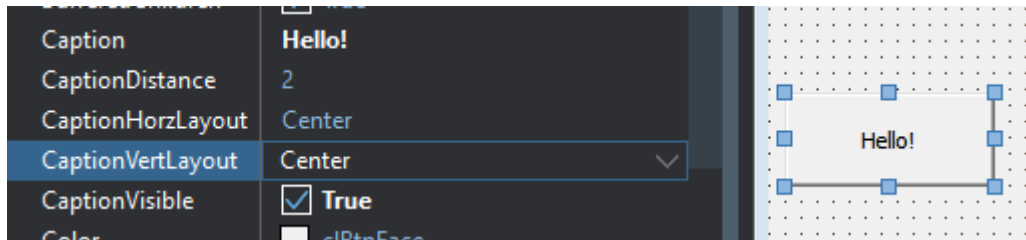
All components supporting TImageList received support for the ImageName property.

Yes - you can use TEsImage to display icons from TVirtualImageList / TVirtualImageList to TControlList.



Improved TEsPanel

TEsPanel now supports Caption when CaptionVisible is activated.
Disabled by default, because usually no need an Caption.



Other improvements

- Work on quality
- Cleaning up the code
- Improved support for styles
- Fixes for HiDPI
- Removing multiple IFDEFs and their associated code
- TEsImage now also supports custom frame
- Improving Samples

What's next?

I recommend watching the Sydney Update example for new features. It is located in the examples folder, but is not part of the project group so that users of previous Delphi versions have no problems. You can open it manually.

