# How to get a screen shot of a control

## Solution 1

Not only can you make screen shots of the whole screen but you can also save the image of controls too. The only catch is that the following functions is for controls that are descended from *TWinControl*. Most standard components in Delphi are. The following function takes an object as parameter and returns a bitmap containing it's image. Have fun!

```
uses
  Graphics;
...
function Control2Bitmap(Control_: TWinControl): TBitmap;
begin
  Result := TBitmap.Create;
  with Result do begin
    Height := Control_.Height;
    Width  := Control_.Width;
    Canvas.Handle := CreateDC(nil, nil, nil, nil);
    Canvas.Lock;
    Control_.PaintTo(Canvas.Handle, 0, 0);
    Canvas.Unlock;
    DeleteDC(Canvas.Handle);
  end;
end;
```

This solution by an unknown author.

## Solution 2

The first solution can fail with several controls, including *TRichEdit*. Here is an alternative solution:

```
procedure PrintControl(AControl :TWinControl;AOut:TBitmap);
var
  DC: HDC;
begin
  if not Assigned(AOut) then Exit;
  if not Assigned(AControl) then Exit;

  DC :=GetWindowDC(AControl.Handle);
  AOut.Width  :=AControl.Width;
  AOut.Height :=AControl.Height;
  with AOut do
  BitBlt(
    Canvas.Handle, 0, 0, Width, Height, DC, 0, 0, SrcCopy
  );

  ReleaseDC(AControl.Handle, DC);
end;
```

This solution by Montor.

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|---|---|
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