

AutoScrollPosition

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using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;
using System.Drawing.Drawing2D;

public class Form1 : Form {
    private Rectangle rectangleBounds = new Rectangle(new Point(0,
    0), new Size(200, 200));
    private Rectangle ellipseBounds = new Rectangle(new Point(50,
    200), new Size(200, 150));
    private Pen bluePen = new Pen(Color.Blue, 3);
    private Pen redPen = new Pen(Color.Red, 2);
    private Brush solidAzureBrush = Brushes.Azure;
    private Brush solidYellowBrush = new SolidBrush(Color.Yellow);
    static private Brush brickBrush = new
    HatchBrush(HatchStyle.DiagonalBrick, Color.DarkGoldenrod,
    Color.Cyan);
    private Pen brickWidePen = new Pen(brickBrush, 10);

    public Form1() {
    }

    protected override void OnPaint(PaintEventArgs e) {
        base.OnPaint(e);
        Graphics dc = e.Graphics;
        Point scrollOffset = this.AutoScrollPosition;
        dc.TranslateTransform(scrollOffset.X, scrollOffset.Y);
        if (e.ClipRectangle.Top + scrollOffset.X < 350 ||
        e.ClipRectangle.Left + scrollOffset.Y < 250) {
            dc.DrawRectangle(bluePen, rectangleBounds);
```

```
dc.FillRectangle(solidYellowBrush,      rectangleBounds);
dc.DrawEllipse(redPen,                  ellipseBounds);
dc.FillEllipse(solidAzureBrush,        ellipseBounds);
dc.DrawLine(brickWidePen,
rectangleBounds.Location,ellipseBounds.Location      +
ellipseBounds.Size); } } public static void Main() {
Application.Run(new Form1()); } } [/csharp]
```