

Create Metafile (Memory)

```
using System;
using System.Drawing;
using System.Drawing.Imaging;
using System.IO;
using System.Windows.Forms;

class CreateMetafileMemory: Form
{
    MemoryStream ms = new MemoryStream();

    public static void Main()
    {
        Application.Run(new CreateMetafileMemory());
    }
    public CreateMetafileMemory()
    {
        ResizeRedraw = true;

        Graphics grfx = CreateGraphics();
        IntPtr ipHdc = grfx.GetHdc();

        Metafile mf = new Metafile(ms, ipHdc);

        grfx.ReleaseHdc(ipHdc);
        grfx.Dispose();
        grfx = Graphics.FromImage(mf);

        grfx.FillEllipse(Brushes.Gray, 0, 0, 100, 100);
        grfx.DrawEllipse(Pens.Black, 0, 0, 100, 100);
        grfx.DrawArc(new Pen(Color.Red, 10), 20, 20, 60, 60, 30, 120);
        grfx.Dispose();
    }
    protected override void OnPaint(PaintEventArgs pea)
    {
        DoPage(pea.Graphics,          ForeColor, ClientSize.Width,
```

```
ClientSize.Height);  
}  
protected void DoPage(Graphics grfx, Color clr, int cx, int  
cy)  
{  
ms.Position = 0;  
Metafile mf = new Metafile(ms);  
  
for (int y = 0; y < cy; y += mf.Height) for (int x = 0; x <  
cx; x += mf.Width) grfx.DrawImage(mf, x, y, mf.Width,  
mf.Height); } } [/csharp]
```