

Add Signature Form Element as Image into Email Content

You can create an environment variable with the following code below, which can be used later with [Bean Shell Hash Variable](#) to convert the data to image base64bytes source.

As an example, we will create a new environment variable with the id "generateImage", while assuming that the table name is "table1" and signature field id is "field1".

Then, copy and paste the code below as the value of the "generateImage" environment variable.

```
import java.awt.BasicStroke;
import java.awt.Color;
import java.awt.Graphics2D;
import java.awt.RenderingHints;
import java.awt.image.BufferedImage;
import org.json.JSONArray;
import org.json.JSONObject;
import javax.imageio.ImageIO;
import org.apache.axis.encoding.Base64;
import java.net.URLDecoder;

//Here defines the signature image size
int width = 200;
int height = 80;

try {
    String jsonstr = URLDecoder.decode(json[0], "UTF-8");
    JSONArray jarr = new JSONArray(jsonstr);
    BufferedImage offscreenImage = new BufferedImage(width, height, BufferedImage.TYPE_INT_RGB);
    Graphics2D g2 = offscreenImage.createGraphics();
    g2.setColor(Color.white);
    g2.fillRect(0,0,width,height);
    g2.setPaint(Color.black);
    g2.setStroke(new BasicStroke(2));
    g2.setRenderingHint(RenderingHints.KEY_ANTIALIASING, RenderingHints.VALUE_ANTIALIAS_ON);
    for (int i = 0; i < jarr.length(); i++) {
        JSONObject jobj = jarr.get(i);
        g2.drawLine(jobj.getInt("lx"), jobj.getInt("ly"), jobj.getInt("mx"), jobj.getInt("my"));
    }

    ByteArrayOutputStream baos = new ByteArrayOutputStream();
    ImageIO.write(offscreenImage, "png", baos);
    baos.flush();
    byte[] imageInByte = baos.toByteArray();
    baos.close();
    String base64bytes = Base64.encode(imageInByte);
    String src = "data:image/png;base64," + base64bytes;

    return src;
} catch (Exception e) { }
```

After that, you may utilize [Bean Shell Hash Variable](#) to make use of this environment variable in your email content to display the signature as an image.

```

```

Related Elements

- [Signature](#)
- [Bean Shell Hash Variable](#)
- [Email Tool](#)