Image Layout Widget: How to plot data on a custom image layouts, shape files and blueprints

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What we will cover today

How to make your users happy with great diagrammatic Web and Mobile Apps
Our objective at the end of this session

To become familiar with the Image Layout Widget, and your MicroStrategy Web server
What we will learn

- The Image Layout Widget
- Selecting Background images
- Creating HTML Layouts
- How to navigate your MSTR Web Server
- How to make your users happy with great diagrammatic Web and Mobile Apps
How it All Started (for me at least)
But this is what we will build
Step 1 – Install the Widget in the plugins Folder

1. Download the plugin from here: KB278784: How to Enable the Image Layout Visualization in MicroStrategy Web 10.4

2. Are you using JSP or ASP (IIS)?

3. Unzip to the Plugins folders of Web, Mobile, Library

4. Restart your Web Server, check you can see the option in Web: -
How well do you know your Web Server?

**ASP**
C:\Program Files (x86)\MicroStrategy\Web ASPx

**JSP**
C:\Program Files (x86)\Common Files\MicroStrategy\Tomcat\apache-tomcat-8.0.30\webapps\MicroStrategy
Step 2 - Choose your image

- Think something diagramatic, this does not have to be a map
- Try to avoid too many colours on your shapes
- Avoid over-complex shapes
- JPG, GIF, PNG will work
Step 2 continued – Install the image

1. Save the image to the *map* folder under the VisFramework folder on your Web Server, e.g.
   - In ASP: C:\Program Files (x86)\MicroStrategy\Web ASPx\VisFramework\map
   - In JSP: C:\Program Files (x86)\Common Files\MicroStrategy\Tomcat\apache-tomcat-8.0.30\webapps\MicroStrategy\VisFramework\map
   - And in Library: C:\Program Files (x86)\Common Files\MicroStrategy\Tomcat\apache-tomcat-8.0.30\webapps\MicroStrategyLibrary\VisFramework\map

2. Don’t forget Mobile and Print.

   *Currently there is a bug in Library, a fix is slated for the 10.11 release*
Step 3 – Create the HTML Shape File – image-map.net

Go to https://www.image-map.net/
Step 4 – Prepare the HTML File

1. Take the code created in the last step

2. Add an HTML header

3. Point the HTML file to the image file:

4. Add /> to each line and...
Step 4 continued – Prepare the HTML File

5. Give it a sensible name, such as ChiswickPark.HTML

6. Install it on to your Web Server(s)
   - In ASP:
     C:\Program Files (x86)\MicroStrategy\Web ASPx\VisFramework\map
   - In JSP:
     C:\Program Files (x86)\Common Files\MicroStrategy\Tomcat\apache-tomcat-8.0.30\webapps\MicroStrategy\VisFramework\map
   - And in Library:
     C:\Program Files (x86)\Common Files\MicroStrategy\Tomcat\apache-tomcat-8.0.30\webapps\MicroStrategyLibrary\VisFramework\map

7. Don’t forget Mobile, Print

8. Restart your Web Server
Step 5 – Edit the Shapefile.xml file

1. Edit the Shapefile.xml which you will find here
   - In ASP: C:\Program Files (x86)\MicroStrategy\Web ASPx\WEB-INF\xml\config\ShapeFileMap.xml
   - In JSP: C:\Program Files (x86)\Common Files\MicroStrategy\Tomcat\apache-tomcat-8.0.30\webapps\MicroStrategy\WEB-INF\xml\config\ShapeFileMap.xml
   - And in Library: C:\Program Files (x86)\Common Files\MicroStrategy\Tomcat\apache-tomcat-8.0.30\webapps\MicroStrategyLibrary\WEB-INF\xml\config

2. Add a section for your new HTML Shape file:
   ```xml
   <ShapeFileMap shapeKey="ChiswickPark" shapeType="Polygon" role="State" name="Chiswick Park" descWeb="Park" descFlash="mstr.1634" descDesktop="26984" shapeFile="VisFramework/map/ChiswickPark.html"/>
   ```

3. Save the Shapefile, restart your Web Sever

4. Check you can see the new shape in the Image Layout Properties of dossier:
Step 6 – Tidy Up and Test

1. Create a new Dossier

2. Import some data

3. Add Image Layout and select Chiswick Park

4. Add the Attribute for the shapes as the Geo Attribute, Add the Metric to Colour by and…
Step 6 continued– Build your first dossier
Final Thoughts

1. You need to download and enable the Plugin before you can start.

2. Get familiar with your Web Server folder structure.

3. You need to repeat the install for Web, Mobile, Library.

4. Please feel free to take a hand-out – It has all the detail.

Go and try it out!
Did I meet your expectations?

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