Drawing a Diagonal Line Dynamically

The requirement is to draw a diagonal line whose co-ordinates move along with the 'cell'. As the cell grows or moves, the line must follow accordingly.

Explanation: The idea is to first record the results to add a diagonal line in an array.

Then at the end of the band (eg. Section footer) when everything is positioned correctly, add the diagonal line over the top. This ensures the line is always added last and the size follows the cell size.

1. Place this code at Function definitions:

```
// this is where items that need diagonals added are remembered

var diagonals = [];

// add an item to the diagonals array

function addDiagonal(item) {

  diagonals.push(item);

}

// build all the diagonals (for this parent - usually a band) and reset the diagonals to empty

function buildDiagonals(parent) {

  for (var i=0;i<diagonals.length;i++) {

    var line = buildDiagonal(diagonals[i]);

    parent.addLogicalElement(line);

  }

  diagonals = [];

}

// build one diagonal line with the same dimensions as the item it will be shown on top of

// note that you can change line colour, thickness etc. here

function buildDiagonal(item) {
```

```
        var line = new Packages.com.elixirtech.report2.logical.model.Line();

        line.setTop(item.getTop());

        line.setLeft(item.getLeft());

        line.setWidth(item.getWidth());

        line.setHeight(item.getHeight());

        line.setLineWidth(20);

        line.setLineColor("Black");

        line.setLineStyle("Solid");

        line.setDivisor(1);

        line.setX1(1);

        line.setY1(0);

        line.setX2(0);

        line.setY2(1);

        return line;

    }
```

2. Add the following line to the **onRenderEnd** section of the field in which you want to draw the diagonal line:

```
        addDiagonal(result);
```

3. Add the following line to the **onRenderEnd** section of the band that contains the field with the diagonal line:

```
        buildDiagonals(result);
```


Download the sample.rml for your reference.