Block ‘boxing’ sample

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**Introduction**

This sample is intended to show how to add ‘boxing’ to blocks when using the APP within Styler. APP applies block ‘boxing’ as graphical rules to the edges of a block. A block can carry up to 20 graphical rules and they can be applied to the edges individually.

This sample shows examples ranging from simple rules through patterned rules and rounded corners. The last section shows different effects which can be applied. Rules are applied using property sets based on contexts and conditions of the para element.

All property sets used are located within the ‘boxing property sets’ stylesheet module.

This sample is based upon the AXDocBook sample.
Basic examples

*Simple box around a block*

This paragraph has a simple red rule applied to all edges. It is applied using the ‘simple boxing’ property set.

*Box around a block with rounded corners*

Using the property set ‘rounded corner boxing’ this example paragraph shows rounded corners applied to all corners of the block. Block corners are labelled ‘NW’, ‘NE’, ‘SW’ and ‘SE’ but are also known as 1, 2, 3 and 4, respectively. These values are used in the names of the property sets used later in this example.

*Rounded corner box with a background colour*

The next extension to adding rules to the edges of a block is the addition of a background colour. Rather than using the block background colour property, the rule carries a ‘fill’ value which is used instead to ensure that the background follows the shape described by the rules. This example uses the ‘rounded boxing with background’ property set.

*Patterned rule around a block — pattern doesn’t go into corners*

If a single patterned rule is applied to all edges of a block at once, the pattern is drawn as a single continuous line, starting in the top left corner (NW). Depending on the pattern, this may cause odd numbers of repeats of the pattern at the corners of the block, rather than having complete patterns along each edge. This is shown here, using the ‘simple patterned boxing’ property set.

*Patterned rule around a block — pattern goes into corners*

To counter the problem of uneven patterns, this property set (‘complex pattern boxing’) uses two rules — one for the top and bottom, another for the left and right. Other rules are applied to ensure the drawing position is returned to the correct location.
Lots of different block rule samples

**Simple boxing**

- **Rules on all sides**
  - Simple boxing on all sides of a block. Uses ‘simple boxing’ property set.

- **Rule on the top**
  - Simple boxing on the top of a block. Uses ‘simple t’ property set.

- **Rule on the bottom**
  - Simple boxing on the bottom of a block. Uses ‘simple b’ property set.

- **Rule on the left**
  - Simple boxing on the left of a block. Uses ‘simple l’ property set.

- **Rule on the right**
  - Simple boxing on the right of a block. Uses ‘simple r’ property set.

- **Rule on the top and bottom**
  - Simple boxing on the top and bottom of a block. Uses ‘simple tb’ property set.

- **Rule on the left and right**
  - Simple boxing on the left and right of a block. Uses ‘simple lr’ property set.

- **Rule on the bottom and right**
  - Simple boxing on the bottom and right sides of a block. Uses ‘simple br’ property set.

- **Rule on the bottom and left**
  - Simple boxing on the bottom and left sides of a block. Uses ‘simple bl’ property set.

- **Rule on the top, left and right**
  - Simple boxing on the top, left and right sides of a block. Uses ‘simple tlr’ property set.
Rule on the top, right and bottom

Simple boxing on the top, right and bottom sides of a block. Uses ‘simple trb’ property set.

Rule on the bottom, left and right

Simple boxing on the bottom, left and right sides of a block. Uses ‘simple blr’ property set.

Rule on the top, bottom and left

Simple boxing on the top, bottom and left sides of a block. Uses ‘simple tbl’ property set.
**Patterned boxing**

**Rules on all sides**
- Dotted boxing on all sides of a block. Uses ‘pattern tblr’ property set.

**Rule on the top**
- Long dashes on the top of a block. Uses ‘pattern t’ property set.

**Rule on the bottom**
- Diamonds on the bottom of a block. Uses ‘pattern b’ property set.

**Rule on the left**
- Wavy line on the left of a block. Uses ‘pattern l’ property set.

**Rule on the right**
- A more curvy wave on the right of a block. Uses ‘pattern r’ property set.

**Rule on the top and bottom**
- Dash dot rules on the top and bottom of a block. Uses ‘pattern tb’ property set.

**Rule on the bottom and right**
- Two dashes and a dot on the bottom and right sides of a block. Uses ‘pattern br’ property set.

**Rule on the top and left**
- Square waves on the left and right of a block. Uses ‘pattern lr’ property set.

**Rule on the right and left**
- Dotted rules on the top and left sides of a block. Uses ‘pattern tl’ property set.

**Rule on the top, left and right**
- Dashes on the top and right sides of a block. Uses ‘pattern tr’ property set.

**Rule on the top, bottom and left**
- Dash followed by two dots on the bottom and left sides of a block. Uses ‘pattern bl’ property set.

**Rule on the top, left and right**
- Dash followed by two dots on the top, left and right sides of a block. Uses ‘pattern tlr’ property set.
Rule on the top, right and bottom

Dots on the top, right and bottom sides of a block.
Uses ‘pattern trb’ property set.

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Rule on the bottom, left and right

Long dashes on the bottom, left and right sides of a block. Uses ‘pattern blr’ property set.

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Rule on the top, bottom and left

Dash dot rule on the top, bottom and left sides of a block.
Uses ‘pattern tbl’ property set.
**Rounded corners with solid lines**

Rules on all sides, one corner rounded — 1
- Uses property set ‘solid tblr1’

Rules on all sides, one corner rounded — 2
- Uses property set ‘solid tblr2’

Rules on all sides, one corner rounded — 3
- Uses property set ‘solid tblr3’

Rules on all sides, one corner rounded — 4
- Uses property set ‘solid tblr4’

Rules on all sides, two corners rounded — 1
- Uses property set ‘solid tblr12’

Rules on all sides, two corners rounded — 2
- Uses property set ‘solid tblr13’

Rules on all sides, two corners rounded — 3
- Uses property set ‘solid tblr14’

Rules on all sides, two corners rounded — 4
- Uses property set ‘solid tblr23’

Rules on all sides, two corners rounded — 5
- Uses property set ‘solid tblr24’

Rules on all sides, two corners rounded — 6
- Uses property set ‘solid tblr34’

Rules on all sides, three corners rounded — 1
- Uses property set ‘solid tblr123’

Rules on all sides, three corners rounded — 2
- Uses property set ‘solid tblr124’

Rules on all sides, three corners rounded — 3
- Uses property set ‘solid tblr234’
<table>
<thead>
<tr>
<th>Rules on all sides, three corners rounded — 4</th>
<th>Rules on three sides, one corner rounded — 4</th>
<th>Rules on three sides, two corners rounded — 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses property set ‘solid tblr134’</td>
<td>Uses property set ‘solid blr4’</td>
<td>Uses property set ‘solid tlr12’</td>
</tr>
<tr>
<td>Rules on all sides, four corners rounded — 1</td>
<td>Rules on three sides, one corner rounded — 5</td>
<td>Rules on three sides, two corners rounded — 2</td>
</tr>
<tr>
<td>Uses property set ‘solid tblr1234’</td>
<td>Uses property set ‘solid tbl1’</td>
<td>Uses property set ‘solid blr34’</td>
</tr>
<tr>
<td>Rules on three sides, one corner rounded — 1</td>
<td>Rules on three sides, one corner rounded — 6</td>
<td>Rules on three sides, two corners rounded — 3</td>
</tr>
<tr>
<td>Uses property set ‘solid tlr1’</td>
<td>Uses property set ‘solid tbl3’</td>
<td>Uses property set ‘solid tbr24’</td>
</tr>
<tr>
<td>Rules on three sides, one corner rounded — 2</td>
<td>Rules on three sides, one corner rounded — 7</td>
<td>Rules on three sides, two corners rounded — 4</td>
</tr>
<tr>
<td>Uses property set ‘solid tlr2’</td>
<td>Uses property set ‘solid tbl2’</td>
<td>Uses property set ‘solid tbl13’</td>
</tr>
<tr>
<td>Rules on three sides, one corner rounded — 3</td>
<td>Rules on three sides, one corner rounded — 8</td>
<td></td>
</tr>
<tr>
<td>Uses property set ‘solid blr3’</td>
<td>Uses property set ‘solid tbr4’</td>
<td></td>
</tr>
</tbody>
</table>
Rules on two sides, one corner rounded — 1

Uses property set ‘solid tl1’

Rules on two sides, one corner rounded — 2

Uses property set ‘solid tr2’

Rules on two sides, one corner rounded — 3

Uses property set ‘solid bl3’

Rules on two sides, one corner rounded — 4

Uses property set ‘solid br4’
**Rounded corners with pattern lines**

Rules on all sides, one corner rounded — 1
- Uses property set ‘pattern tblr1’

Rules on all sides, one corner rounded — 2
- Uses property set ‘pattern tblr2’

Rules on all sides, one corner rounded — 3
- Uses property set ‘pattern tblr3’

Rules on all sides, one corner rounded — 4
- Uses property set ‘pattern tblr4’

Rules on all sides, two corners rounded — 1
- Uses property set ‘pattern tblr12’

Rules on all sides, two corners rounded — 2
- Uses property set ‘pattern tblr13’

Rules on all sides, two corners rounded — 3
- Uses property set ‘pattern tblr14’

Rules on all sides, two corners rounded — 4
- Uses property set ‘pattern tblr23’

Rules on all sides, two corners rounded — 5
- Uses property set ‘pattern tblr24’

Rules on all sides, two corners rounded — 6
- Uses property set ‘pattern tblr34’

Rules on all sides, three corners rounded — 1
- Uses property set ‘pattern tblr123’

Rules on all sides, three corners rounded — 2
- Uses property set ‘pattern tblr124’

Rules on all sides, three corners rounded — 3
- Uses property set ‘pattern tblr234’
Rules on all sides, three corners rounded — 4
   Uses property set ‘pattern tblr134’

Rules on all sides, four corners rounded — 1
   Uses property set ‘pattern tblr1234’

Rules on three sides, one corner rounded — 1
   Uses property set ‘pattern tlr1’

Rules on three sides, one corner rounded — 2
   Uses property set ‘pattern tlr2’

Rules on three sides, one corner rounded — 3
   Uses property set ‘pattern blr3’

Rules on three sides, one corner rounded — 4
   Uses property set ‘pattern tbl13’

Rules on three sides, two corners rounded — 1
   Uses property set ‘pattern tlr12’

Rules on three sides, two corners rounded — 2
   Uses property set ‘pattern blr34’

Rules on three sides, two corners rounded — 3
   Uses property set ‘pattern tbr24’

Rules on three sides, two corners rounded — 4
   Uses property set ‘pattern tbl13’
Rules on two sides, one corner rounded — 1
Uses property set ‘pattern tl1’

Rules on two sides, one corner rounded — 2
Uses property set ‘pattern tr2’

Rules on two sides, one corner rounded — 3
Uses property set ‘pattern bl3’

Rules on two sides, one corner rounded — 4
Uses property set ‘pattern br4’
Fancy stuff

Raised button
Uses property set ‘button’

Rounded button
Uses property set ‘round button’

Negative rounded corners
Uses property set ‘negative tblr1234’

Arrows start and end — 1
Uses property set ‘term 1’

Arrows start and end — 2
Uses property set ‘term 2’

Arrows start and end — 3
Uses property set ‘term 3’

Arrows start and end — 4
Uses property set ‘term 4’

Arrows start and end — 5
Uses property set ‘term 5’

Boxes start and end
Uses property set ‘term 6’

Box start and dot end
Uses property set ‘term 7’

Dot start and end
Uses property set ‘term 8’

Other terminators — 1
Uses property set ‘term 9’

Other terminators — 2
Uses property set ‘term 10’

Other terminators — 3
Uses property set ‘term 11’

Other terminators — 4
Uses property set ‘term 12’

Other terminators — 5
Uses property set ‘special 1’

Diagonal — 1
Uses property set ‘diag 1’

Diagonal — 2
Uses property set ‘diag 2’

Diagonal — 3
Uses property set ‘diag 3’