**Types of property values**  
  
When specifying what or properties in the skin, in the layout or in other places, we give the value of the property. But we need to describe the property value in a specific format. Particular format is determined by the type of the property. The format can be as simple (clean line) and more complex (color, size). Example description of the property:

<Property key="PropertyName" value="PropertyValue"/>

The property described in the node called «Property». The property name is specified in the attribute «key» value of the property specified in the attribute «value». In the description of the property type is not specified. Type is specified in the documentation for a specific property. Types may include the following :  
  
1. Bool - boolean, is set to false and true. Meaning falsely describes strings "0" or «false». Describes the true value strings "1" or «true».

2. Int - A type has a range of int on the current platform, usually for 32-bit systems from -2,147,483,648 to 2,147,483,647.

3. Float - type float. For example the string " 0.5 " means half of the whole.

4. String - String of Unicode format UTF8.

5. IntSize - Type size indicates. Consists of the width and height of type Int separated by a space. For example the string " 128 64 " refers to the size of 128 x 64 pixels ( or other units).

6. IntPoint - type indicating the position. Consists of the left and top coordinates of type Int separated by a space.

7. IntCoord - type specifies a rectangle. It consists of the upper left coordinates and the width and height and of the type Int. For example the string " 20 October 100 24 " means the position of the rectangle in the coordinates 10 left and 20 on top with a width of 100 and a height of 24.

8. Index - type specifies the index. Typically, a 32-bit system range is from 0 to 4294967295.

9. IndexRange - type indicating the range of indices. Consists of the initial and final index type Index, separated by a space.

10. MenuItemType - enumeration type consisting of :

1. «Normal»

2. «Popup»

3. «Separator»

11. MessageBoxStyle - enumeration type c possibility of combining, for example «Ok Cancel IconQuest», consisting of :

1. «None»

2. «Ok»

3. «Yes»

4. «No»

5. «Abort»

6. «Retry»

7. «Ignore»

8. «Cancel»

9. «Try»

10. «Continue»

11. «IconInfo»

12. «IconQuest»

13. «IconError»

14. «IconWarning»

12. WidgetStyle - enumeration type consisting of :

1. «Child»

2. «Popup»

3. «Overlapped»

13. Version - type consisting of three numbers separated by periods. The first number is the version number from 0 to 255. The second number - the number under the version from 0 to 255. The third number - the patch number from 0 to 65535. Patch number may be omitted. If there is no patch number that may be missing and the number under version. The following formats are correct: " 255.255.65535 " " 255.255 ", " 255 ".

14. Align - Type describing alignment adopts is of horizontal and vertical component separated by a space. Some combinations can be combined into a single component.

Horizontal components :

1. Left - the distance to the left edge does not change

2. Right - the distance to the right edge does not change

3. HCenter - always be centered

4. HStretch - the distance to the left and right edges is not changed, stretched.

Vertical components :

1. Top - the distance to the top edge does not change

2. Bottom - the distance to the bottom edge does not change

3. Vcenter - always be centered

4. VStretch - the distance to the top and bottom does not change, stretched.

The combined special cases :

1. Default - (Left Top)

2. Center - (HCenter VCenter)

3. Stretch - (HStretch VStretch)

Example : «Left VStretch», «Default», «HCenter Bottom», etc.

15. Colour - Type describing color. Supports multiple file formats:

1. HTML format - the first character is a '# ' followed by 6 characters describing the color in hexadecimal two characters on one component : red, green and blue. For example «# FFFFFF» - white, «# FF0000» - red, «# 00FF00» - green, etc.

2. 3 Float number format separated by a space, for the red, green and blue color component. The values must be in the range from 0 to 1. For example, " 1 1 1 " - white, " 0 1 0" - green, " 0.5 0.5 0.5 " - gray, etc.

3. 4 Float number format separated by a space, the red, green, blue, and alpha component of the color. The values must be in the range from 0 to 1. For example, " 1 1 1 1 " - white, " 0 1 0 0.5 " - translucent green, " 0.5 0.5 0.5 0" - gray transparent, etc.