

QuricolCode Namespace


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This is namespace QuricolCode.


Topics

Name	Description
Classes	The following table lists classes in this documentation.
Structs, Records, Enums	The following table lists structs, records, enums in this documentation.

Classes

	Name	Description
	TQRCode	QR Code generator

Structs, Records, Enums

	Name	Description
	TErrorCorretion	The error correction level

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Classes

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The following table lists classes in this documentation.

Classes

	Name	Description
	TQRCode	QR Code generator

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TQRCode Class

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QR Code generator

Class Hierarchy

`QuricolCode.TQRCode`

Syntax

Pascal

```
TQRCode = class;
```

File

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Example

```
var
  bmp : TBitmap;
  MS : TMemoryStream;
begin
  try
    //Generate Windows bitmap and save to file
    TQRCode.GenerateBitmapFile('delphi1.bmp', 'http://de

    //Generate PNG image and save to file
    TQRCode.GeneratePngFile('delphi1.png', 'http://de

    //Generate TBitmap
```

```
bmp := TQRCode.GetBitmapImage('http://www.krento
bmp.SaveToFile('delphi2.bmp');
```

```
//Generate PNG to the memory stream
```

```
MS := TMemoryStream.Create;
```

```
TQRCode.GetPngStream(MS, 'http://www.krento.net');
```

```
MS.Position := 0;
```

```
MS.SaveToFile('delphi2.png');
```

```
MS.Free;
```

```
except
```

```
on E: Exception do
```

```
    Writeln(E.ClassName, ': ', E.Message);
```

```
end;
```

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The following tables list the members exposed by TQRCode.

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Public Methods

	Name	Description
≡ ◆	GenerateBitmapFile	Generates Windows Bitmap file with the text encoded as QR code
≡ ◆	GeneratePngFile	Generates PNG file with the text encoded as QR code
≡ ◆	GetBitmapImage	Created Windows Bitmap image with the text encoded as QR code
≡ ◆	GetPngStream	Writes PNG image to the stream. Can be useful for web development

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TQRCode Methods

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The methods of the TQRCode class are listed here.

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[TQRCode Class](#)

Public Methods

	Name	Description
≡	GenerateBitmapFile	Generates Windows Bitmap file with the text encoded as QR code
≡	GeneratePngFile	Generates PNG file with the text encoded as QR code
≡	GetBitmapImage	Created Windows Bitmap image with the text encoded as QR code
≡	GetPngStream	Writes PNG image to the stream. Can be useful for web development

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TQRCode.GenerateBitmapFile Method

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Generates Windows Bitmap file with the text encoded as QR code

Syntax

Pascal

```
class procedure GenerateBitmapFile(const FileName: string; const Text:
```

Parameters

Parameters	Description
const FileName: string	The name of the bitmap file
const Text: string	The text to encode
Margin: integer = 4	The margin from the border
PixelSize: integer = 3	The size of the one image point.
Level: TErrorCorretion = QualityLow	The error correction level

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TQRCode.GeneratePngFile Method

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Generates PNG file with the text encoded as QR code

Syntax

Pascal

```
class procedure GeneratePngFile(const FileName: string; const Text: st
```

[-] Parameters

Parameters	Description
const FileName: string	The name of the png file
const Text: string	The text to encode
Margin: integer = 4	The margin from the border
PixelSize: integer = 3	The size of the one image point.
Level: TErrorCorretion = QualityLow	The error correction level

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TQRCode.GetBitmapImage Method

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Created Windows Bitmap image with the text encoded as QR code

Syntax

Pascal

```
class function GetBitmapImage(const Text: string; Margin: integer = 4;
```

Parameters

Parameters	Description
const Text: string	The text to encode
Margin: integer = 4	The margin from the image border
PixelSize: integer = 3	The size of the one point of the image
Level: TErrorCorretion = QualityLow	The error correction level

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TQRCode.GetPngStream Method

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Writes PNG image to the stream. Can be useful for web development

Syntax

Pascal

```
class procedure GetPngStream(Stream: TStream; const Text: string; Marg
```

Parameters

Parameters	Description
Stream: TStream	The stream where image will be stored
const Text: string	The text to encode
Margin: integer = 4	The margin from the image border
PixelSize: integer = 3	The size of the one image point
Level: TErrorCorretion = QualityLow	The error correction level

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	Name	Description
	TErrorCorretion	The error correction level

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QuricolCode.TErrorCorretion Enumeration

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The error correction level

Syntax

Pascal

```
TErrorCorretion = (  
    QualityLow,  
    QualityMedium,  
    QualityStandard,  
    QualityHigh  
);
```

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QuricolCode	This is namespace QuricolCode.

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Structs, Records, Enums	The following table lists structs, records, enums in this documentation.


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Classes

	Name	Description
	TQRCode	QR Code generator


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	Name	Description
	TErrorCorretion	The error correction level


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	TQRCode	QR Code generator

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```
var
  bmp : TBitmap;
  MS : TMemoryStream;
begin
  try
    //Generate Windows bitmap and save to file
    TQRCode.GenerateBitmapFile('delphi1.bmp', 'http://de

    //Generate PNG image and save to file
    TQRCode.GeneratePngFile('delphi1.png', 'http://de

    //Generate TBitmap
    bmp := TQRCode.GetBitmapImage('http://www.krento
    bmp.SaveToFile('delphi2.bmp');

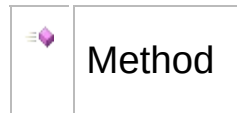
    //Generate PNG to the memory stream
    MS := TMemoryStream.Create;
    TQRCode.GetPngStream(MS, 'http://www.krento.net');
    MS.Position := 0;
    MS.SaveToFile('delphi2.png');
    MS.Free;

  except
    on E: Exception do
      Writeln(E.ClassName, ': ', E.Message);
  end;
```

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	Name	Description
≡◆	GenerateBitmapFile	Generates Windows Bitmap file with the text encoded as QR code
≡◆	GeneratePngFile	Generates PNG file with the text encoded as QR code
≡◆	GetBitmapImage	Created Windows Bitmap image with the text encoded as QR code
≡◆	GetPngStream	Writes PNG image to the stream. Can be useful for web development

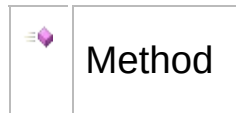
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Public Methods

	Name	Description
≡◆	GenerateBitmapFile	Generates Windows Bitmap file with the text encoded as QR code
≡◆	GeneratePngFile	Generates PNG file with the text encoded as QR code
≡◆	GetBitmapImage	Created Windows Bitmap image with the text encoded as QR code
≡◆	GetPngStream	Writes PNG image to the stream. Can be useful for web development


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	Name	Description
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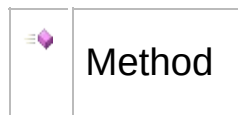
	Class
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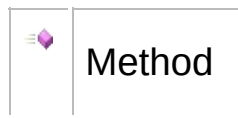


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