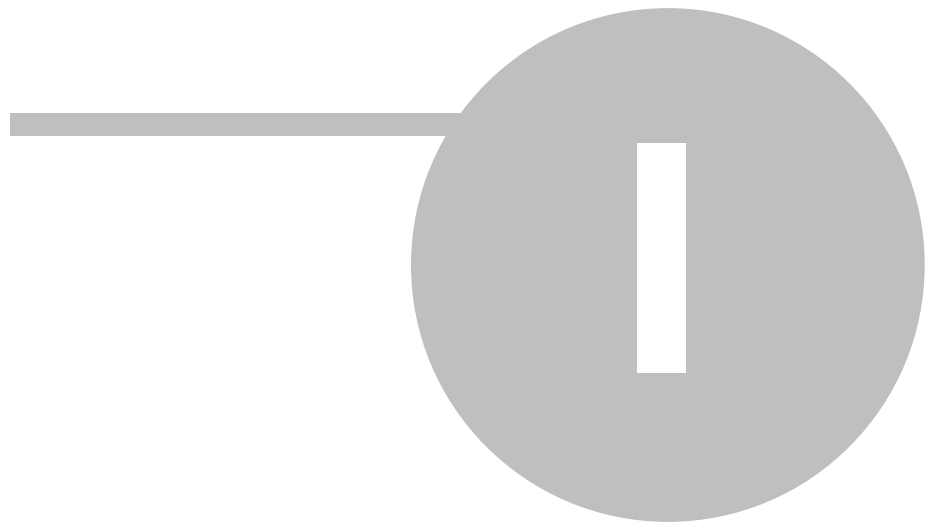


FastReport 4.6

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TfrxReport

1.1

DFM.

```

TfrxReport (
    BLOb-
    /
    :

```

```

function LoadFromFile(const FileName: String; ExceptionIfNotFound:
Boolean = False): Boolean;

```

```

    True.

```

```

procedure LoadFromStream(Stream: TStream);

```

```

procedure SaveToFile(const FileName: String);

```

```

procedure SaveToStream(Stream: TStream);

```

FR3.

:

Pascal:

```

frxReport1.LoadFromFile('c:\1.fr3');
frxReport1.SaveToFile('c:\2.fr3');

```

C++:

```

frxReport1->LoadFromFile("c:\\1.fr3");
frxReport1->SaveToFile("c:\\2.fr3");

```

1.2

```

TfrxDesigner
    TfrxReport.DesignReport.
    (
    frxDesign uses).

:

frxReport1.DesignReport;

    DesignReport
    :

procedure DesignReport(Modal: Boolean = True; MDIChild: Boolean =
False);

; - ( MDI
).

```

1.3

```

TfrxReport:

procedure ShowReport(ClearLastReport: Boolean = True);

    ClearLastReport False,
    ( ).

function PrepareReport(ClearLastReport: Boolean = True): Boolean;

    ShowReport.
    True.

    ClearLastReport
    ( ).

:

```

```
frxReport1.ShowReport;
```

1.4

```

TfrxReport.ShowReport ( " " ),
TfrxReport.ShowPreparedReport.
PrepareReport,
( " / ").

```

```
:
```

Pascal:

```
if frxReport1.PrepareReport then
  frxReport1.ShowPreparedReport;
```

C++:

```
if(frxReport1->PrepareReport(true))
  frxReport1->ShowPreparedReport();
```

```

PrepareReport/ShowPreparedReport
ShowReport.

```

```
TfrxReport.PreviewOptions.
```

1.5

```

" " TfrxReport.Print,
:
frxReport1.Print;
```

```

TfrxReport.PrintOptions.

```


1.6

TfrxReport.PreviewPages:

```
function LoadFromFile(const FileName: String; ExceptionIfNotFound:
Boolean = False): Boolean;
procedure SaveToFile(const FileName: String);
procedure LoadFromStream(Stream: TStream);
procedure SaveToStream(Stream: TStream);
```

TfrxReport.

FP3.

:

Pascal:

```
frxReport1.PreviewPages.LoadFromFile('c:\1.fp3');
frxReport1.ShowPreparedReport;
```

C++:

```
frxReport1->PreviewPages->LoadFromFile("c:\\1.fp3");
frxReport1->ShowPreparedReport();
```

ShowPreparedReport!

1.7

TfrxReport.Export.

:

```
frxReport1.Export(frxHTMLExport1);
```

(

)

1.8

FastReport

```

        TfrxPreview
    ,
        FastReport.
        TfrxReport.Preview.

        TfrxPreview
        (
            , PgUp, PgDown
        ).

    ,
    :

frxPreview1.SetFocus;

    ,
    , OnShow
    ,

    OnMouseWheel
TfrxPreview.MouseWheelScroll:

procedure TForm1.FormMouseWheel(Sender: TObject; Shift: TShiftState;
    WheelDelta: Integer; MousePos: TPoint; var Handled: Boolean);
begin
    frxPreview1.MouseWheelScroll(WheelDelta);
end;

```

1.9

```

    (
    )

    ,
    FastReport
    ,
    TfrxReport.PrepareReport
    ClearLastReport: Boolean,
    True.
    ,
    :

Pascal:

frxReport1.LoadFromFile('1.fr3');
frxReport1.PrepareReport;
frxReport1.LoadFromFile('2.fr3');
frxReport1.PrepareReport(False);
frxReport1.ShowPreparedReport;

C++:

frxReport1->LoadFromFile("1.fr3");
frxReport1->PrepareReport(true);
frxReport1->LoadFromFile("2.fr3");
frxReport1->PrepareReport(false);
frxReport1->ShowPreparedReport();

```

```
ClearLastReport = False.
```

```
TfrxReport
```

1.9.1

```
TotalPages# / Page, Page#, TotalPages,
:
Page -
Page# -
TotalPages - ( )
TotalPages# -
```

1.9.2

```
" (PrintOnPreviousPage) " " " , . .
" " "
```

1.10

```
TfrxReport.OnClickObject.
```

Pascal:

```
procedure TForm1.frxReport1ClickObject(Page: TfrxPage; View: TfrxView;
  Button: TMouseButton; Shift: TShiftState; var Modified: Boolean);
begin
  if View.Name = 'Mem01' then
```

```

    ShowMessage('Memo1 contents:' + #13#10 + TfrxMemoView(View).Text);
    if View.Name = 'Memo2' then
    begin
        TfrxMemoView(View).Text := InputBox('Edit', 'Edit Memo2 text:', TfrxMemoView(View).Text);
        Modified := True;
    end;
end;

C++:

void __fastcall TForm1::frxReport1ClickObject(TfrxView *Sender,
    TMouseButton Button, TShiftState Shift, bool &Modified)
{
    TfrxMemoView * Memo;
    if(Memo = dynamic_cast <TfrxMemoView *> (Sender))
    {
        if(Memo->Name == "Memo1")
            ShowMessage("Memo1 contents:\n\r" + Memo->Text);
        if(Memo->Name == "Memo2")
        {
            Memo->Text = InputBox("Edit", "Edit Memo2 text:", Memo->Text);
            Modified = true;
        }
    }
}

```

```

OnClickObject : (
    Modified, );
TfrxReport.PrepareReport .
    Memo1
    Memo2 ,
    Modified True
    ,
    ,
FastReport 3 TfrxReport
    (
    2).
    TfrxReport,
    ,
    ,
    Cursor ,
crDefault.
    ,
    ,
    ,

```

```

Memo1 '12'.
?
FastReport
(
TagStr.
).
FRDemo.exe -
'Simple list'.
Customer.db
DBDEMOS. CustNo,
TagStr
Master Data,
[Customers."CustNo"]
TagStr
TagStr
Master Data, '1005',
'2112'
TagStr
[Table1."Field1"];[Table1."Field2"]
TagStr '1000;1',

```

1.11

```

FastReport (
,
,
,
)
TfrxReport.FindObject:

```

Pascal:

```

var
  Memo1: TfrxMemoView;

Memo1 := frxReport1.FindObject('Memo1') as TfrxMemoView;

```

C++:

```

TfrxMemoView * Memo =

```

```
dynamic_cast <TfrxMemoView *> (frxReport1->FindObject("Mem1"));
```

TfrxReport.Pages:

Pascal:

```
var
  Page1: TfrxReportPage;

Page1 := frxReport1.Pages[1] as TfrxReportPage;
```

C++:

```
TfrxReportPage * Page1 = dynamic_cast <TfrxReportPage *> (frxReport1->Pages[1]);

[1]. 0 - " "
```

1.12

```

,
)
:
-
-
-
-
-
-
-
-
" "
" "
frxReport1: TfrxReport frxDBDataSet1: TfrxDBDataSet
(DBDEMOS, Customer.db).
report title master data. report
title "Hello FastReport!", master data -
"CustNo".
```

Pascal:

```
var
  DataPage: TfrxDataPage;
  Page: TfrxReportPage;
```

```

    Band: TfrxBand;
    DataBand: TfrxMasterData;
    Memo: TfrxMemoView;

    {
frxReport1.Clear;

    {
frxReport1.DataSets.Add(frxDBDataSet1);

    {
        " " }
    DataPage := TfrxDataPage.Create(frxReport1);

    {
    Page := TfrxReportPage.Create(frxReport1);
    {
    Page.CreateUniqueName;
    {
    Page.SetDefaults;
    {
    Page.Orientation := poLandscape;

    {
        report title }
    Band := TfrxReportTitle.Create(Page);
    Band.CreateUniqueName;
    {
    {
        - }
    Band.Top := 0;
    Band.Height := 20;

    {
        report title }
    Memo := TfrxMemoView.Create(Band);
    Memo.CreateUniqueName;
    Memo.Text := 'Hello FastReport!';
    Memo.Height := 20;
    {
    Memo.Align := baWidth;

    {
        master data }
    DataBand := TfrxMasterData.Create(Page);
    DataBand.CreateUniqueName;
    DataBand.DataSet := frxDBDataSet1;
    {
        Top }
    DataBand.Top := 100;
    DataBand.Height := 20;

    {
        master data }
    Memo := TfrxMemoView.Create(DataBand);
    Memo.CreateUniqueName;
    {
    Memo.DataSet := frxDBDataSet1;
    Memo.DataField := 'CustNo';
    Memo.SetBounds(0, 0, 100, 20);
    {
    Memo.HAlign := haRight;

    {
frxReport1.ShowReport;

```

C++:

```

TfrxDataPage * DataPage;
TfrxReportPage * Page;
TfrxBand * Band;
TfrxMasterData * DataBand;
TfrxMemoView * Memo;

//
frxReport1->Clear();

//
frxReport1->DataSets->Add(frxDBDataset1);

//
DataPage = new TfrxDataPage(frxReport1);

//
Page = new TfrxReportPage(frxReport1);
//
Page->CreateUniqueName();
//
Page->SetDefaults();
//
Page->Orientation = poLandscape;

//
Band = new TfrxReportTitle(Page);
Band->CreateUniqueName();
//
Band->Top = 0;
Band->Height = 20;

//
Memo = new TfrxMemoView(Band);
Memo->CreateUniqueName();
Memo->Text = "Hello FastReport!";
Memo->Height = 20;
//
Memo->Align = baWidth;

//
DataBand = new TfrxMasterData(Page);
DataBand->CreateUniqueName();
DataBand->DataSet = frxDBDataset1;
//
DataBand->Top = 100;
DataBand->Height = 20;

//
Memo = new TfrxMemoView(DataBand);
Memo->CreateUniqueName();
//
Memo->DataSet = frxDBDataset1;
Memo->DataField = "CustNo";
Memo->SetBounds(0, 0, 100, 20);
//

```

Top

!


```

Memo->HAlign = haRight;

//
frxReport1->ShowReport(true);

frxReport1.DataSets.Add(frxDBDataSet1).

Page.SetDefaults
4 0 .SetDefaults 10

Top Height. Left Width
( Left Width, Top Height ).

Top, Width, Height Extended, . . . Left,

:

fr01cm = 3.77953; // 96 / 25.4
fr1cm = 37.7953;
fr01in = 9.6;
fr1in = 96;

5 :

Band.Height := fr01cm * 5;
Band.Height := fr1cm * 0.5;

```

1.13

Pascal:

```

{
uses frxDCtrl;

var
    Page: TfrxDialogPage;
    Button: TfrxButtonControl;

{
Page := TfrxDialogPage.Create(frxReport1);
{
Page.CreateUniqueName;
{
Page.Width := 200;
Page.Height := 200;
{
Page.Position := poScreenCenter;

{
Button := TfrxButtonControl.Create(Page);
Button.CreateUniqueName;
Button.Caption := 'OK';
Button.ModalResult := mrOk;
Button.SetBounds(60, 140, 75, 25);

{
frxReport1.ShowReport;

```

C++:

```

//
#include "frxDCtrl.hpp"

TfrxDialogPage * Page;
TfrxButtonControl * Button;

//
Page = new TfrxDialogPage(frxReport1);
//
Page->CreateUniqueName();
//
Page->Width = 200;
Page->Height = 200;
//
Page->Position = poScreenCenter;

//
Button = new TfrxButtonControl(Page);
Button->CreateUniqueName();

```

```

Button->Caption = "OK";
Button->ModalResult = mrOk;
Button->SetBounds(60, 140, 75, 25);

//
frxReport1->ShowReport(true);

```

1.14

```

, TfrxReportPage
:

property Orientation: TPrinterOrientation default poPortrait;
property PaperWidth: Extended;
property PaperHeight: Extended;
property PaperSize: Integer;

    PaperSize
    , Windows.pas, DMPAPER_A4.
    , FastReport PaperWidth
PaperHeight (
    DMPAPER_USER ( 256),
    PaperWidth PaperHeight
):

Pascal:

var
    Page: TfrxReportPage;

{ [1]. [0] " " }
Page := TfrxReportPage(frxReport1.Pages[1]);
{ }
Page.PaperSize := DMPAPER_A2;
{ }
Page.Orientation := poLandscape;

C++:

TfrxReportPage * Page;

// [1]. [0] " "
Page = (TfrxReportPage *)frxReport1.Pages[1];
//
Page->PaperSize = DMPAPER_A2;
//
Page->Orientation = poLandscape;

```

1.15

```

FastReport.
,
,
FastReport
,
TfrxReport.OnManualBuild.
FastReport
:
:
- (
- (
- / ( page/column
header/footer, report title/summary)
-
:
-
FastReport .. OnManualBuild
:
:
TfrxCustomEngine.
TfrxReport.Engine.
:
procedure NewColumn;
.
procedure NewPage;
.
procedure ShowBand(Band: TfrxBand); overload;
.
procedure ShowBand(Band: TfrxBandClass); overload;
.

```

```

function FreeSpace: Extended;
    (      ).

property CurColumn: Integer;
    /

property CurX: Extended;
    /      X.

property CurY: Extended;
    /      Y.

property DoublePass: Boolean;

property FinalPass: Boolean;

property FooterHeight: Extended;
    page footer.

property HeaderHeight: Extended;
    page header.

property PageHeight: Extended;

property PageWidth: Extended;

property TotalPages: Integer;
    (
    ).

data,
    ,      6      .

Pascal:

var
    i: Integer;
    Band1, Band2: TfrxMasterData;

{      }
Band1 := frxReport1.FindObject('MasterData1') as TfrxMasterData;

```

master

```
Band2 := frxReport1.FindObject('MasterData2') as TfrxMasterData;
```

```
for i := 1 to 6 do
begin
  {
  frxReport1.Engine.ShowBand(Band1);
  frxReport1.Engine.ShowBand(Band2);
  }
  if i = 3 then
    frxReport1.Engine.CurY := frxReport1.Engine.CurY + 10;
end;
```

C++:

```
int i;
TfrxMasterData * Band1;
TfrxMasterData * Band2;

//
Band1 := dynamic_cast <TfrxMasterData *> (frxReport1->FindObject("MasterData1"));
Band2 := dynamic_cast <TfrxMasterData *> (frxReport1->FindObject("MasterData2"));

for(i = 1; i <= 6; i++)
{
  //
  frxReport1->Engine->ShowBand(Band1);
  frxReport1->Engine->ShowBand(Band2);
  //
  if(i == 3)
    frxReport1->Engine->CurY += 10;
}
```

Pascal:

```
var
  i, j: Integer;
  Band1, Band2: TfrxMasterData;
  SaveY: Extended;

Band1 := frxReport1.FindObject('MasterData1') as TfrxMasterData;
Band2 := frxReport1.FindObject('MasterData2') as TfrxMasterData;

SaveY := frxReport1.Engine.CurY;
for j := 1 to 2 do
begin
  for i := 1 to 6 do
  begin
    frxReport1.Engine.ShowBand(Band1);
    frxReport1.Engine.ShowBand(Band2);
    if i = 3 then
      frxReport1.Engine.CurY := frxReport1.Engine.CurY + 10;
  end;
  frxReport1.Engine.CurY := SaveY;
  frxReport1.Engine.CurX := frxReport1.Engine.CurX + 200;
```

end;

C++:

```
int i, j;
TfrxMasterData * Band1;
TfrxMasterData * Band2;
Extended SaveY;

Band1 = dynamic_cast <TfrxMasterData *> (frxReport1->FindObject("MasterData1"));
Band2 = dynamic_cast <TfrxMasterData *> (frxReport1->FindObject("MasterData2"));

SaveY = frxReport1->Engine->CurY;
for(j = 1; j <= 2; j++)
{
    for(i = 1; i <= 6; i++)
    {
        frxReport1->Engine->ShowBand(Band1);
        frxReport1->Engine->ShowBand(Band2);
        if(i == 3)
            frxReport1->Engine->CurY += 10;
    }
    frxReport1->Engine->CurY = SaveY;
    frxReport1->Engine->CurX += 200;
}
```

1.16

FastReport Demos\BCB Demos\PrintArray).

FastReport Demos\PrintArray (

Master Data,

TfrxUserDataSet

(

RangeEnd := reCount
RangeEndCount := -

-

TfrxUserDataSet.

Master Data

[element]

'element'

TfrxReport.OnGetValue.

1.17 TStringList

FastReport Demos\PrintStringList

(FastReport Demos\BCB Demos\PrintStringList).

1.18

FastReport Demos\PrintFile

(FastReport Demos\BCB Demos\PrintFile).

```

        (
        Master Data,
        "
        (Stretch) (Allow
        Split).
        [file].
        TfrxReport.OnGetValue.
        Stretch
        StretchMode = smActualHeight).

```

1.19 TStringGrid

FastReport

Demos\PrintStringGrid (FastReport Demos\BCB Demos\PrintStringGrid).

```

        TStringGrid
        . . .
        Cross-tab (
        TfrxCrossObject).
        : TfrxCrossView
        TfrxDBCrossView
        TfrxCrossView.
        1.

```



```

StringGrid
TfrxReport.OnBeforePrint.
TfrxCrossView.AddValue.
(
).

```

1.20 TTable, TQuery

```

FastReport Demos\PrintTable
(FastReport Demos\BCB Demos\PrintTable).
TStringGrid.
-
Cross-tab
(
).

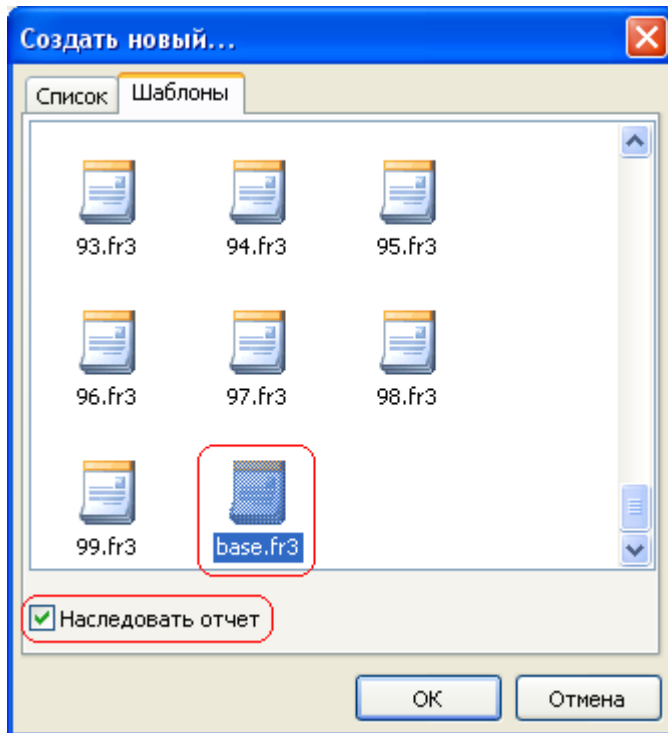
```

1.21

```

"
"
FastReport
" | ..." " | ...":

```



, FastReport
(.exe).
TfrxDesigner.TemplateDir.

TfrxReport.

OnLoadTemplate:

```
property OnLoadTemplate: TfrxLoadTemplateEvent read FOnLoadTemplate write FOnLoadTemplate
```

```
TfrxLoadTemplateEvent = procedure(Report: TfrxReport; const TemplateName: String) of TfrxReport
```

```
Report. : TemplateName
```

```
procedure TForm1.LoadTemplate(Report: TfrxReport; const TemplateName: String);
```

```
var
```

```
    BlobStream: TStream;
```

```
begin
```

```
    ADOTable1.First;
```

```
    while not ADOTable1.Eof do
```

```
    begin
```

```
        if AnsiCompareText(ADOTable1.FieldByName('ReportName').AsString, TemplateName)
```

```
        begin
```

```
            BlobStream := TMemoryStream.Create;
```

```
            TBlobField(ADOTable1.FieldByName('ReportBlob')).SaveToStream(BlobStream);
```

```

        BlobStream.Position := 0;
        Report.LoadFromStream(BlobStream);
        BlobStream.Free;
        break;
    end;
    ADOTable1.Next;
end;
end;

"      |      ..."
"      |      ..."
TfrxDesigner.OnGetTemplateList:

property OnGetTemplateList: TfrxGetTemplateListEvent read FOnGetTemplateList write
TfrxGetTemplateListEvent = procedure(List: TStrings) of object;

        List.          :

procedure TForm1.GetTemplates(List: TList);
begin
    List.Clear;
    ADOTable1.First;
    while not ADOTable1.Eof do
    begin
        List.Add(ADOTable1.FieldByName('ReportName').AsString);
        ADOTable1.Next;
    end;
end;

        Fast Report          ,

TfrxReport.InheritFromTemplate(const templName: String; InheritMode:
TfrxInheritMode = imDefault): Boolean.

        ,

        (imDefault - , -
        /          , imDelete -
        ,
imRename -          ).

        ,
        , ...
        . Fast Report
        (          ,
        ).

```

1.22

```

FastReport
:
-
TfrxDBDataSet
, ...
TfrxDBDataSet(
);
-
Memo1.Left := Memo1.Left + 10
- TfrxReport.EngineOptions.DestroyForms :=
False
TfrxReport.EngineOptions.DestroyForms := True.
, ...
TfrxReport.EngineOptions.DestroyForms := False
.
TfrxDBDataSet
.
{DestroyForms
}
FReport.EngineOptions.DestroyForms := False;
FReport.EngineOptions.SilentMode := True;
{
-
}
FReport.EngineOptions.UseGlobalDataSetList := False;
{EnabledDataSets
}
FReport.EnabledDataSets.Add(FfrxDataSet);
FReport.LoadFromFile(ReportName);
FReport.PrepareReport;

```

1.23

```

), (
).

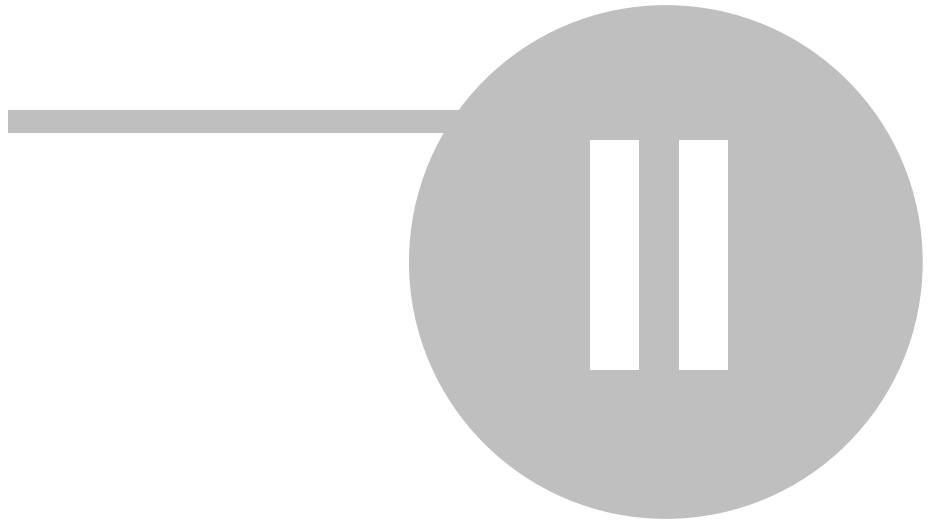
```

Fast Report:

```
- TfrxReport.EngineOptions.UseFileCache - - True,
    TfrxReport.EngineOptions.MaxMemoSize ,
    .
- TfrxReport.PreviewOptions.PagesInCache - -
    ' ( ) .
- TfrxReport.PreviewOptions.PictureCacheInFile - -
    - '
    .
```

1.24 MDI

```
Fast Report MDI
    ,
    FastReport Demos\MDI Designer.
    ,
    TfrxReport,
```




```
procedure GetVariablesList(const Category: String; List: TStrings);
```

```
property Items[Index: Integer]: TfrxVariable readonly;
```

```
property Variables[Index: String]: Variant; default;
```

```
end;
```

```
    ,           :           .
```

```
/
```

```
:
```

```
/
```

```
:
```

```
-
```

```
-
```

```
-
```

```
-
```

```
,
```

```
-
```

```
,
```

2.1

TfrxReport.Variables.

```
:
```

```
-
```

```
-
```


-
- 2 3 .

2.2

TfrxVariables.Clear:

Pascal:

```
frxReport1.Variables.Clear;
```

C++:

```
frxReport1->Variables->Clear();
```

2.3

Pascal:

```
frxReport1.Variables[' ' + 'My Category 1'] := Null;
```

C++:

```
frxReport1->Variables->Variables[" My Category 1"] = NULL;
```

Pascal:

var

```
Category: TfrxVariable;
```

```
Category := frxReport1.Variables.Add;  
Category.Name := ' ' + 'My category 1';
```

C++:

```
TfrxVariable * Category;
```

```
Category = frxReport1->Variables->Add();
```

```
Category->Name = " My category 1";
```

2.4

Pascal:

```
frxReport1.Variables['My Variable 1'] := 10;
```

C++:

```
frxReport1->Variables->Variables["My Variable 1"] = 10;
```

Pascal:

```
var
  Variable: TfrxVariable;

Variable := frxReport1.Variables.Add;
Variable.Name := 'My Variable 1';
Variable.Value := 10;
```

C++:

```
TfrxVariable * Variable;

Variable = frxReport1->Variables->Add();
Variable->Name = "My Variable 1";
Variable->Value = 10;
```

Insert:

Pascal:

```
var
  Variable: TfrxVariable;

Variable := frxReport1.Variables.Insert(1);
Variable.Name := 'My Variable 1';
Variable.Value := 10;
```

C++:

```
TfrxVariable * Variable;  
  
Variable = frxReport1->Variables->Insert(1);  
Variable->Name = "My Variable 1";  
Variable->Value = 10;
```

AddVariable:

Pascal:

```
frxReport1.Variables.AddVariable('My Category 1', 'My Variable 2', 10);
```

C++:

```
frxReport1->Variables->AddVariable("My Category 1", "My Variable 2",  
10);
```

2.5

Pascal:

```
frxReport1.Variables.DeleteVariable('My Variable 2');
```

C++:

```
frxReport1->Variables->DeleteVariable("My Variable 2");
```

2.6

:

Pascal:

```
frxReport1.Variables.DeleteCategory('My Category 1');
```

C++:

```
frxReport1->Variables->DeleteCategory("My Category 1");
```

2.7

:

Pascal:

```
frxReport1.Variables['My Variable 2'] := 10;
```

C++:

```
frxReport1->Variables->Variables["My Variable 2"] = 10;
```

Pascal:**var**

```
Index: Integer;
Variable: TfrxVariable;
```

```
{
Index := frxReport1.Variables.IndexOf('My Variable 2');
}
if Index <> -1 then
begin
Variable := frxReport1.Variables.Items[Index];
Variable.Value := 10;
end;
```

C++:

```
int Index;
TfrxVariable * Variable;

//
Index = frxReport1->Variables->IndexOf("My Variable 2");
//
if(Index != -1)
{
Variable = frxReport1->Variables->Items[Index];
Variable->Value = 10;
}
```

```
Table1."Field1" , "Table1."Field1".
```

```
test ":
```

```
frxReport1.Variables['My Variable'] := 'test';
```

FastReport

My Variable

```
frxReport1.Variables['My Variable'] := '' + 'test' + '';
```

```
    - 'test' -
```

```
- ;
```

```
- #13#10.
```

2.8

FastScript

:

	TfrxReport.Variables.	TfrxReport.Script.Variables.
		Pascal.
	" "	

Pascal:

```
frxReport1.Script.Variables['My Variable'] := 'test';
```

C++:

```
frxReport1->Script->Variables->Variables["My Variable"] = "test";
```

```
Variant), , ( , .
```

2.9

TfrxReport.OnGetValue

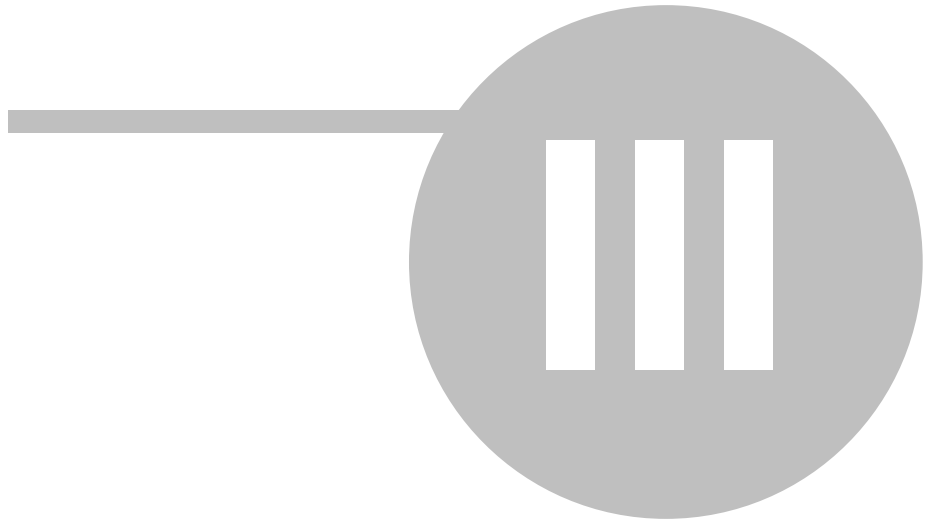
```
, , TfrxReport.OnGetValue.
, (
),
.
" " :
```

[My Variable]

TfrxReport.OnGetValue:

```
procedure TForm1.frxReport1GetValue(const VarName: String;
  var Value: Variant);
begin
  if CompareText(VarName, 'My Variable') = 0 then
    Value := 'test'
end;
```

```
, OnGetValue , .
```



```

        ,
        ,
        ,
        .
    -
    ,
    ,
    -
    TfrxMemoView          Style: String,
    .
    .
    -
    TfrxReport            Styles,
    TfrxStyles.
    .
    -
    .

TfrxStyleItem
TfrxStyleItem = class(TCollectionItem)
public
    property Name: String;
    .
    property Color: TColor;
    .
    property Font: TFont;
    .
    property Frame: TfrxFrame;
    .
end;

/
,
,
FS3.

TfrxStyles = class(TCollection)
public
    constructor Create(AReport: TfrxReport);
    .
    AReport          nil,
Apply
    function Add: TfrxStyleItem;
    .

```



```
function Find(const Name: String): TfrxStyleItem;
.

procedure Apply;
.

procedure GetList(List: TStrings);
.

procedure LoadFromFile(const FileName: String);
procedure LoadFromStream(Stream: TStream);
.

procedure SaveToFile(const FileName: String);
procedure SaveToStream(Stream: TStream);
.

property Items[Index: Integer]: TfrxStyleItem; default;
.

property Name: String;
.

end;

, TfrxStyleSheet
/

TfrxStyleSheet = class(TObject)
public
    constructor Create;
.

    procedure Clear;
.

    procedure Delete(Index: Integer);
.

    procedure GetList(List: TStrings);
.

    procedure LoadFromFile(const FileName: String);
    procedure LoadFromStream(Stream: TStream);
.

    procedure SaveToFile(const FileName: String);
```

```
procedure SaveToStream(Stream: TStream);  
  
function Add: TfrxStyles;  
  
function Count: Integer;  
  
function Find(const Name: String): TfrxStyles;  
  
function IndexOf(const Name: String): Integer;  
  
property Items[Index: Integer]: TfrxStyles; default;  
  
end;
```

3.1

Pascal:

```
var  
  Style: TfrxStyleItem;  
  Styles: TfrxStyles;  
  
Styles := TfrxStyles.Create(nil);  
  
{  
Style := Styles.Add;  
Style.Name := 'Style1';  
Style.Font.Name := 'Courier New';  
  
}  
  
{  
Style := Styles.Add;  
Style.Name := 'Style2';  
Style.Font.Name := 'Times New Roman';  
Style.Frame.Typ := [ftLeft, ftRight];  
  
}  
frxReport1.Styles := Styles;
```

C++:

```
TfrxStyleItem * Style;  
TfrxStyles * Styles;
```

```

Styles = new TfrxStyles(NULL);

//
Style = Styles->Add();
Style->Name = "Style1";
Style->Font->Name = "Courier New";

//
Style = Styles->Add();
Style->Name = "Style2";
Style->Font->Name = "Times New Roman";
Style->Frame->Typ << ftLeft << ftRight;

//
frxReport1->Styles = Styles;

```

:

Pascal:

```

var
  Style: TfrxStyleItem;
  Styles: TfrxStyles;

Styles := frxReport1.Styles;
Styles.Clear;

{
  Style := Styles.Add;
  Style.Name := 'Style1';
  Style.Font.Name := 'Courier New';
}

{
  Style := Styles.Add;
  Style.Name := 'Style2';
  Style.Font.Name := 'Times New Roman';
  Style.Frame.Typ := [ftLeft, ftRight];
}

{
  frxReport1.Styles.Apply;
}

```

C++:

```

TfrxStyleItem * Style;
TfrxStyles * Styles;

Styles = frxReport1->Styles;
Styles->Clear();

//
Style = Styles->Add();
Style->Name = "Style1";
Style->Font->Name = "Courier New";

//
Style = Styles->Add();
Style->Name = "Style2";

```

```

Style->Font->Name = "Times New Roman";
Style->Frame->Typ << ftLeft << ftRight;

//
frxReport1->Styles->Apply();

```

3.2

/ /

:

Pascal:

```

var
  Style: TfrxStyleItem;
  Styles: TfrxStyles;

Styles := frxReport1.Styles;

{
Style := Styles.Find('Style1');

{
Style.Font.Size := 12;

```

C++:

```

TfrxStyleItem * Style;
TfrxStyles * Styles;

Styles = frxReport1->Styles;

//
Style = Styles->Find("Style1");

//
Style->Font->Size = 12;

```

:

Pascal:

```

var
  Style: TfrxStyleItem;
  Styles: TfrxStyles;

Styles := frxReport1.Styles;

{
Style := Styles.Add;
Style.Name := 'Style3';

```

C++:

```

TfrxStyleItem * Style;
TfrxStyles * Styles;

Styles = frxReport1->Styles;

//
Style = Styles->Add();
Style->Name = "Style3";

```

:

Pascal:

```

var
  Style: TfrxStyleItem;
  Styles: TfrxStyles;

Styles := frxReport1.Styles;

{
}
Style := Styles.Find('Style3');
Style.Free;

```

C++:

```

TfrxStyleItem * Style;
TfrxStyles * Styles;

Styles = frxReport1->Styles;

//
Style = Styles->Find("Style3");
delete Style;

```

Apply:

```

{
}
frxReport1.Styles.Apply;

```

/

Pascal:

```

frxReport1.Styles.SaveToFile('c:\1.fs3');
frxReport1.Styles.LoadFromFile('c:\1.fs3');

```

C++:

```

frxReport1->Styles->SaveToFile("c:\\1.fs3");
frxReport1->Styles->LoadFromFile("c:\\1.fs3");

```

3.3

```
frxReport1.Styles.Clear;
```

```
frxReport1.Styles := nil;
```

3.4

Pascal:

```
var
  Styles: TfrxStyles;
  StyleSheet: TfrxStyleSheet;

StyleSheet := TfrxStyleSheet.Create;

{
  Styles := StyleSheet.Add;
  Styles.Name := 'Styles1';
  }
  Styles }

{
  Styles := StyleSheet.Add;
  Styles.Name := 'Styles2';
  }
  Styles }
```

C++:

```
TfrxStyles * Styles;
TfrxStyleSheet * StyleSheet;

StyleSheet = new TfrxStyleSheet;

//
Styles = StyleSheet->Add();
Styles->Name = "Styles1";
//
  Styles

//
Styles = StyleSheet->Add();
Styles->Name = "Styles2";
//
  Styles
```

3.5

```
-
ComboBox  ListBox.
```

```

:

StyleSheet.GetList(ComboBox1.Items);

:

frxReport1.Styles := StyleSheet.Items[ComboBox1.ItemIndex];

frxReport1.Styles := StyleSheet.Find[ComboBox1.Text];
```

3.6

```
/
/
```

```

:

var
  Styles: TfrxStyles;
  StyleSheet: TfrxStyleSheet;

{
}
Styles := StyleSheet.Find('Styles2');

{
      Style1
}
with Styles.Find('Style1') do
  Font.Name := 'Arial Black';

:

var
  Styles: TfrxStyles;
  StyleSheet: TfrxStyleSheet;

{
}
Styles := StyleSheet.Add;
Styles.Name := 'Styles3';

:

var
  i: Integer;
  StyleSheet: TfrxStyleSheet;
```

```
{
}
i := StyleSheet.IndexOf('Styles3');
{
}
if i <> -1 then
  StyleSheet.Delete(i);
```

3.7

/

- FSS.

```
var
  StyleSheet: TfrxStyleSheet;

StyleSheet.SaveToFile('c:\1.fss');
StyleSheet.LoadFromFile('c:\1.fss');
```