

Современные системы программирования

Краткий обзор программ

The image shows the Lazarus IDE interface. At the top is the menu bar (File, Edit, Search, View, Project, Run, Package, Tools, Environment, Window, Help) and a toolbar with various icons. Below the toolbar is the Object Inspector, which is highlighted with a red box and labeled "Компоненты" (Components). The Object Inspector shows a list of properties for a selected component, including Action, ActiveControl, Align, AllowDropFiles, AutoScroll, AutoSize, BiDiMode, BorderIcons, BorderStyle, Caption, ChildSizing, Color, Constraints, Cursor, DockSite, DragKind, DragMode, Enabled, Font, and FormStyle. The Source Editor is in the center, showing the code for a form class:

```
uses
  Classes, SysUtils, FileUtil,

type
  TForm1 = class(TForm)
  private
    { private declarations }
  public
    ...
  end.
```

 The Source Editor is also highlighted with a red box and labeled "Инспектор объектов" (Object Inspector). To the right of the Source Editor is the Form1 window, which is a grid-based form design area, highlighted with a red box and labeled "Форма" (Form). At the bottom right, a blue box contains the text "Среда разработчика Lazarus v0.9.26.2 beta". The Windows taskbar is visible at the bottom, showing the Start button, Lazarus icon, and system tray with the time 14:18.

Лазарус v0.9.26.2 beta - project1

File Edit Search View Project Run Package Tools Environment Window Help

Standard Additional Common Controls Dialogs Misc Data Controls Data Access System SynEdit RTTI IPro SQLdb

Object Inspector Source Editor

Form1: TForm1 *Unit1

Компоненты

Form1

Форма

Properties Events Favorites Restricted

Property	Value
Action	
ActiveControl	
Align	alNone
AllowDropFiles	False
AutoScroll	True
AutoSize	False
BiDiMode	bdLeftToRight
BorderIcons	[biSystemMenu, biMini]
BorderStyle	bsSizeable
Caption	Form1
ChildSizing	(TControlChildSizing)
Color	<input type="checkbox"/> clBtnFace
Constraints	(TSizeConstraints)
Cursor	crDefault
DockSite	False
DragKind	dkDrag
DragMode	dmManual
Enabled	True
Font	(TFont)
FormStyle	fsNormal

```
uses
  Classes, SysUtils, FileUtil,

type
  TForm1 = class(TForm)
  private
    { private declarations }
  public
    ...
  end.
```

7: 25 Modified

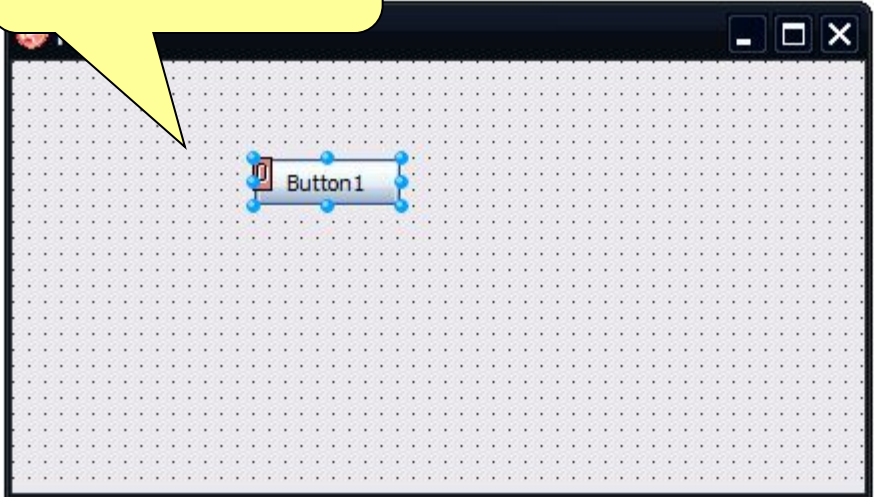
Messages

Среда разработчика Lazarus v0.9.26.2 beta

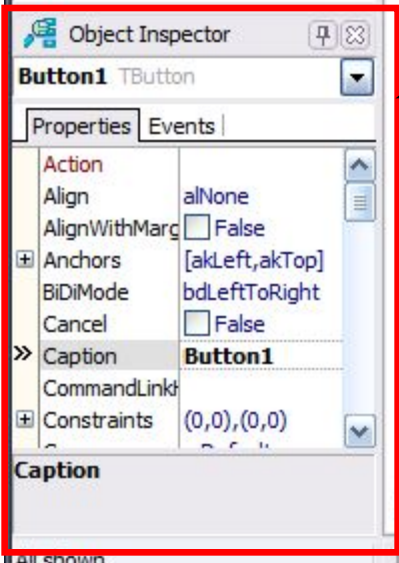
Start Lazarus Lazarus 14:18

Среда разработчика DELPHI 2010

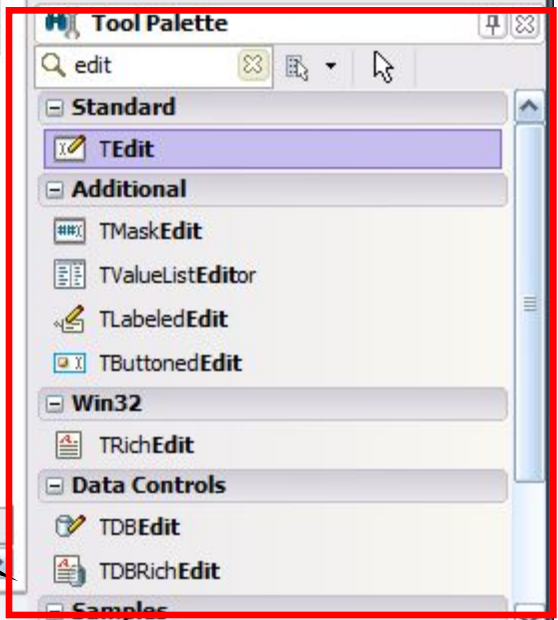
Форма



Инспектор объектов



Компоненты

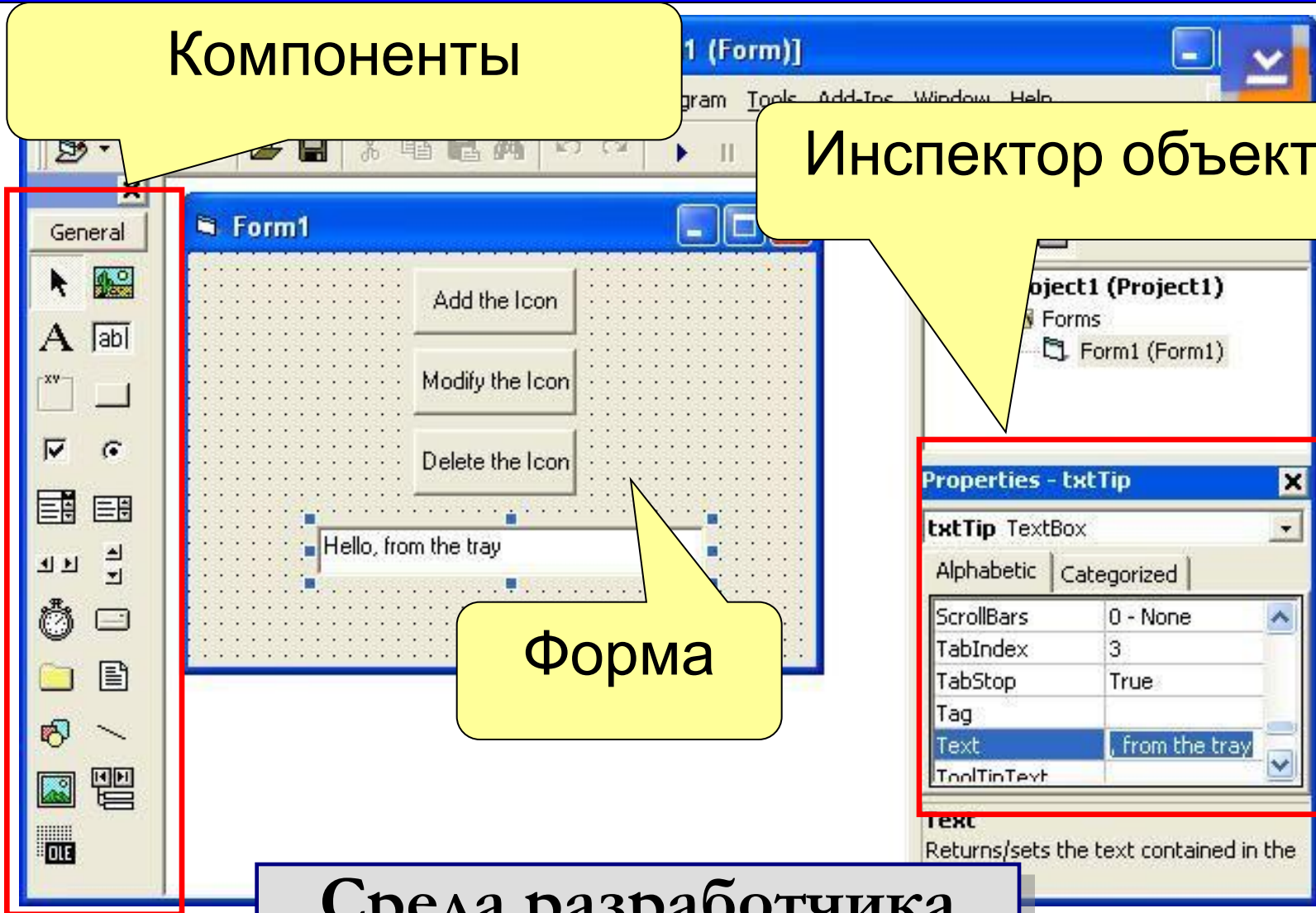


Компоненты

Инспектор объектов

Форма

Среда разработчика
Microsoft
Visual Basic



Инспектор объектов

The image shows the Microsoft Visual Studio IDE with the WinUnleaked Image Uploader form in design mode. The form has a title bar, a menu bar with 'UPLOAD', 'CONVERT', 'DELETE', 'LINKS', 'UPDATE', and 'ABOUT', and a main content area with a 'New version available' notification, input fields for 'File', 'Direct Link', and 'BBCode', and buttons for 'Upload', 'Exit', and 'Up'. The toolbox on the left lists various Windows Forms controls, and the properties window on the right shows the 'Appearance' and 'Behavior' sections for the selected form.

Форма

Компоненты

Среда разработчика
Microsoft
Visual Studio

The image shows a screenshot of the NetBeans IDE 6.9.1 interface. The main window displays a Java Swing form with a menu bar, status panel, and a tabbed pane. A yellow callout bubble labeled "Компоненты" (Components) points to the Swing palette on the right. Another yellow callout bubble labeled "Форма" (Form) points to the central form area. A red box highlights the Swing palette and the Inspector window below it. The Inspector window shows the properties of a selected JButton, including action, background, font, foreground, icon, mnemonic, text, and tooltipText. A yellow callout bubble labeled "Инспектор объектов" (Object Inspector) points to the Inspector window. A large blue box at the bottom left contains the text "Среда разработчика NetBeans IDE Для Java, Python, PHP, JavaScript, C, C++, Ada".

Компоненты

Форма

Инспектор объектов

Среда разработчика
NetBeans IDE
Для Java, Python, PHP,
JavaScript, C, C++, Ada

DesktopApplication1 - NetBeans IDE 6.9.1

File Edit View Navigate

Pro... Files

DesktopApplication1

Source Packages

META-INF.services

desktopapplication1

desktopapplication1.resources

desktopapplication1.resources.bu

Test Packages

Libraries

Test Libr

File Help

Use the Connection Mode button (in the toolbar) to establish a connection between components

Search (Ctrl+F)

Palette

Swing Containers

Panel

Split Pane

Tool Bar

Internal Frame

Swing Controls

Label Label

Toggle Button

Radio Button

Combo Box

Text Field

Scroll Bar

Tabbed Pane

Scroll Pane

Desktop Pane

Layered Pane

OK Button

Check Box

Button Group

List

Text Area

Slider

Button [JButton] - Properties

Properties Binding Events Code

Properties

action null

background [240,240,240]

font Tahoma 11 Plain

foreground [0,0,0]

icon user_add.png

mnemonic

text

tooltipText null

Other Properties

text (java.lang.String) The button's text.

Tasks

The image shows the C++ Builder 6 IDE interface. A red box highlights the menu bar and toolbar. A yellow callout points to the 'Component' menu, labeled 'Компоненты'. Another yellow callout points to the 'Form1' window, labeled 'Форма'. A third yellow callout points to the 'Object Inspector' window, labeled 'Инспектор объектов'. A blue callout at the bottom right contains the text 'Среда разработчика C++ Builder'.

Object TreeView

Form1

Unit1.cpp

```
//  
#include <vcl.h>  
#pragma hdrstop  
  
#include "Unit1.h"  
//  
#pragma package(smart_init)  
#pragma resource "*.dfn"  
TForm1 *Form1;  
//  
__fastcall TForm1::TForm1(TComponent* Owner)  
    : TForm(Owner)  
{  
}
```

Object Inspector

Form1 TForm1

Properties	Events
Action	
ActiveControl	
Align	alNone
AlphaBlend	false
AlphaBlendMask	255
Anchors	[akLeft,akTop]
AutoScroll	true
AutoSize	false
BiDiMode	bdLeftToRight
BorderIcons	[biSystemMenu]
BorderStyle	bsSizeable
BorderWidth	0
Caption	Form1
ClientHeight	637
ClientWidth	1289
Color	<input type="checkbox"/> cBtnFace
Constraints	[TSizeConstraint]
Ctrl3D	true
Cursor	crDefault
DefaultMonitor	dmActiveForm

Среда разработчика
C++ Builder