

' Gambas class file

Private Waiting As Boolean

Private \$iId As Integer

Static povel As String "Tato proměnná obsahuje serverem přijatý povel a bude dekováána

Public Sub btnListen_Click()

If cmbType.Index = 0 Then

'TCP

MyServerSocket.Type = Net.Internet

' The port to listen to

MyServerSocket.Port = Val(txtPort.Text)

' we start listening

MyServerSocket.Listen(cmbMaxClient.Index)

Else

' UNIX

MyServerSocket.Type = Net.Local ' You could also use Net.Unix

MyServerSocket.Path = txtPath.Text

MyServerSocket.Listen(cmbMaxClient.Index)

End If

If MyServerSocket.Status = Net.Active Then

' listening

btnListen.Enabled = False

btnClose.Enabled = True

cmbMaxClient.Enabled = False

cmbType.Enabled = False

txtPath.Enabled = False

End If

End

Public Sub MyServerSocket_Error()

Message.Error("Unable to bind socket")

End

Public Sub MyServerSocket_Connection(sHost As String)

'*****

' A client has arrived!

' let's accept it

Dim Obj As Socket

If MyServerSocket.Status <= Net.Inactive Then Return

If cmbType.Index = 0 Then

txtLog.Text = txtLog.Text & "Connection request from : " & sHost & Chr(13) & Chr(10)

Else

txtLog.Text = txtLog.Text & "Connection request accepted" & Chr(13) & Chr(10)

End If

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Obj = MyServerSocket.Accept()
Obj.Blocking = False
Inc $iId
Obj.Tag = [$iId, 0, ""]

If Obj.Status = Net.Connected And cmbType.Index = 0 Then
    txtLog.Text = txtLog.Text & "Connection from " & Obj.RemoteHost & ":" & Obj.RemotePort &
" accepted (local port " & Obj.LocalPort & ")" & Chr(13) & Chr(10)
End If

End

Public Sub Socket_Write()

    Dim hSocket As Socket = Last
    Dim iInd As Integer

    'Debug hSocket;; hSocket.Tag
    iInd = hSocket.Tag[1]
    If iInd < 0 Then Return

    Do
        Inc iInd
        If iInd > 1 Then
            hSocket.Tag[1] = -1
            Return
        Endif

        'Debug iInd
        Try Print #hSocket, iInd & ":" & hSocket.Tag[2] & Space$(512) & "\n";
        If Error Then
            Debug Error.Text
            Break
        Endif
    Loop

    hSocket.Tag[1] = iInd

Catch

End

Public Sub Socket_Read()

    Dim sBuf As String
    Dim iInd As Integer

    '*****
    ' When some data arrives to
    ' our server, we respond with
    ' an echo
    '*****

```

```

If Last.Status <> Net.Connected Then Return
Read #Last, sBuf, Lof(Last)
povel = sBuf 'povelu se přiřadí právě vyčtený obsah bufferu Server Socketu
Dekoduj_povel() 'jde se do procedury, která dekoduje povel a podle výsledku vybarví ty
dva obdélníčky (Label1 a Label2), co jsou tu od toho
txtLog.Text &= "Socket #" & Last.Tag[0] & " --> " & sBuf & "\n"

Last.Tag[1] = 0
Last.Tag[2] = sBuf

Socket_Write

End

Public Sub Socket_Ready()

    txtLog.Text &= "-- Client working --\n"

End

Public Sub Socket_Closed()

    txtLog.Text &= "Client #" & Last.Tag[0] & " Closed\n"

End

Public Sub Form_Open()

    txtPath.Text = Application.Path & "/" & "gambas"
    txtPath.Enabled = False
    TextLabel3.Text = "Path"

End

Public Sub btnClose_Click()

    MyServerSocket.Close()
    btnClose.Enabled = False
    btnListen.Enabled = True
    cmbMaxClient.Enabled = True
    cmbType.Enabled = True
    cmbType_Click()

End

Public Sub Form_Close()

    ' We have to be sure of closing the server before exiting
    MyServerSocket.Close()

End

```

```
Public Sub btnPause_Click()

    If Waiting Then
        MyServerSocket.Resume()
        btnPause.Text = "Pause"
    Else
        MyServerSocket.Pause()
        btnPause.Text = "Resume"
    End If
    Waiting = Not Waiting

End
```

```
End
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```
Public Sub cmbType_Click()

    If cmbType.Index = 0 Then
        txtPort.Enabled = True
        txtPath.Enabled = False
    Else
        txtPort.Enabled = False
        txtPath.Enabled = True
    End If

End
```

```
End
```

```
Public Sub Dekoduj_povel()                'Procedura vybarví ty obdélníčky, co jsou tady vod
toho
    If povel = "Zap1" Then Label1.Background = &H00FF00
    If povel = "Zap2" Then Label2.Background = &H00FF00
    If povel = "Vyp1" Then Label1.Background = &HFF0000
    If povel = "Vyp2" Then Label2.Background = &HFF0000
End
```

```
Public Sub Label4_MouseDown()            'Procedura dělá z malého okna větší a z většího
malé
```

```
    If Me.height = 357 Then
        Me.Height = 133
        Label4.text = "více"
    Else
        Me.height = 357
        Label4.text = "méně"
    End If
End
```