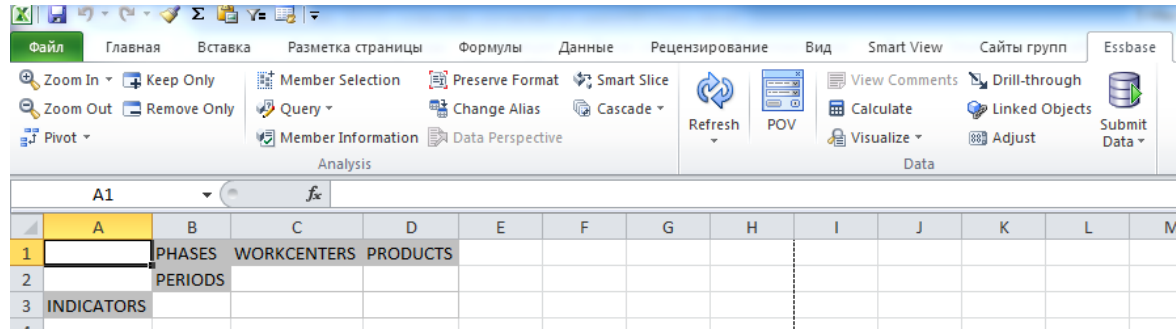er@essbase.ru

Oracle SmartView Optimizer
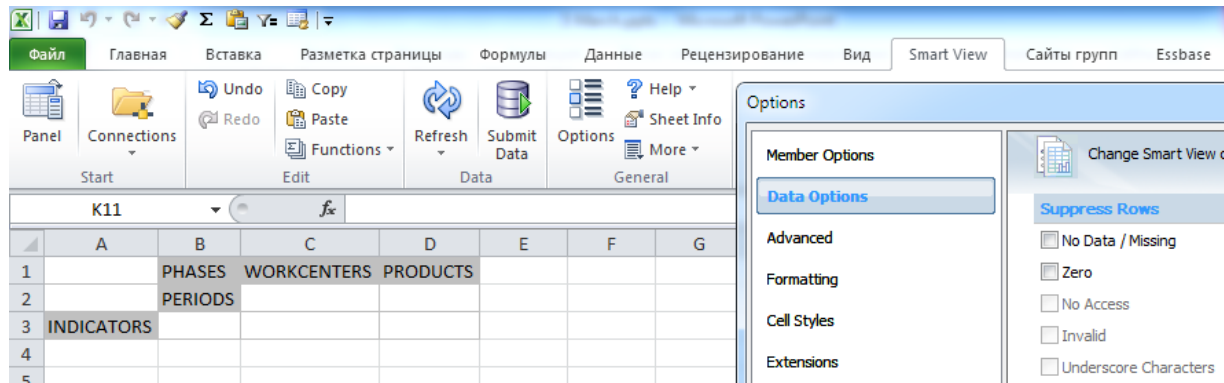
5 March 2016

Moscow

SmartView Classic

- more usable options under 4 clicks

- action panel is splitting on two separate windows (ribbons)

- We are very fast in our login-pass typing

- Caution ! turtles is here !

- Lost data ? Don't panic - you are very loyal Oracle user

Oracle® Hyperion Smart View for Office (readme) /* cry with me */

https://docs.oracle.com/cd/E41952_01/epm.11125/readme/smart_view_11125000_readme.html

---

Known Issues

Subtopics

- Installation

- General

- Disclosure Management

- Essbase

- Financial Management

- Financial Reporting

- Hyperion Enterprise

- Oracle BI EE

- Planning

- Reporting and Analysis

- Strategic Finance

The following are the noteworthy known issues of this release.
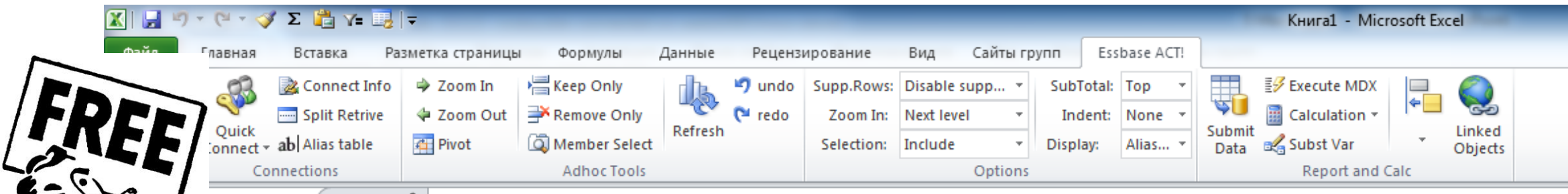
SmartView Optimizer
main feature list

All the most used options under the arms

- Suppress
- Alias table
- Intend
- Subtotals

All standard Ad-Hoc button (pivot, keep only , remove only, zoom out, zoom in)

Remove any "#Missing" labels

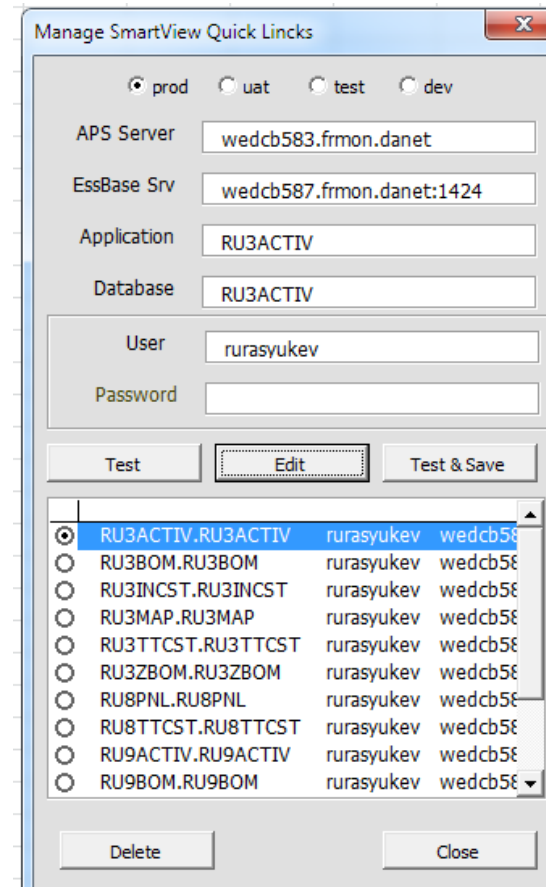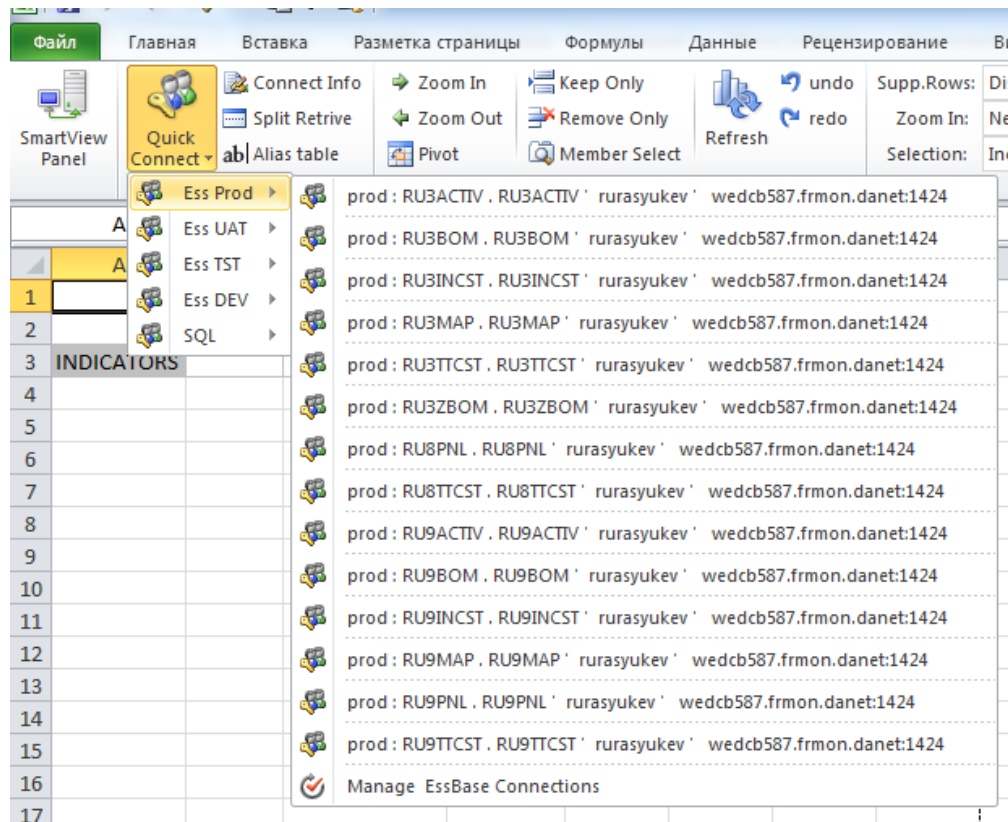## http://essbase.ru/opensource/essbase-act-excel-ribbon

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SmartView Optimizer
main feature list

Quick connection menu for 4 environment ,
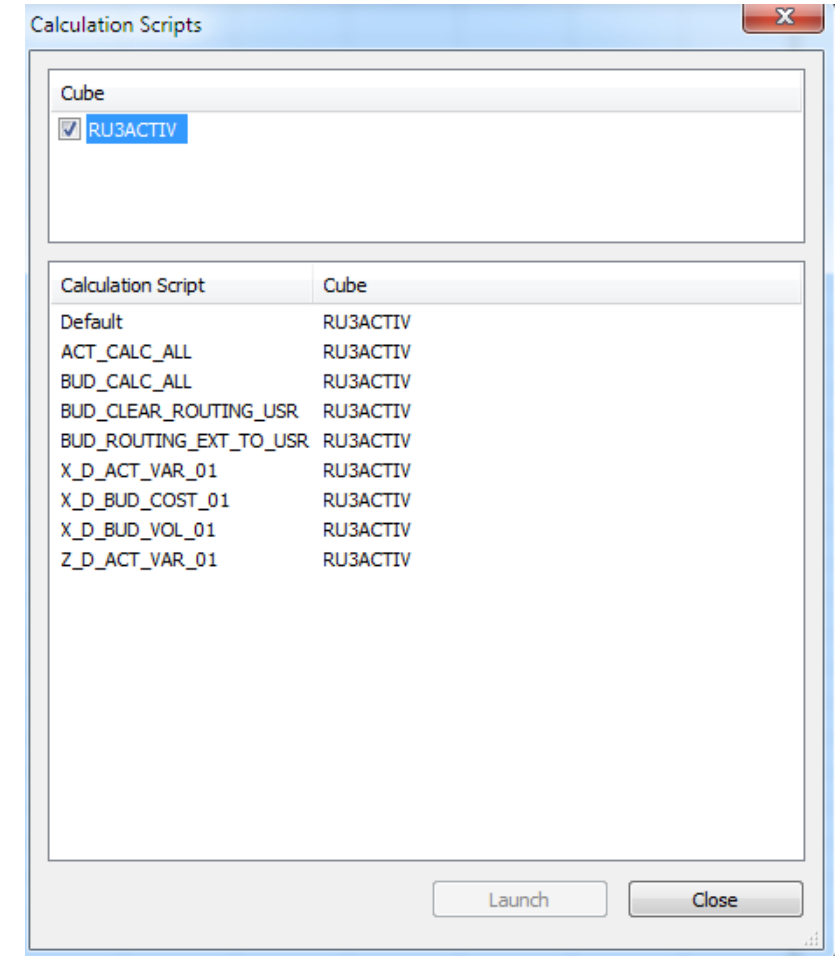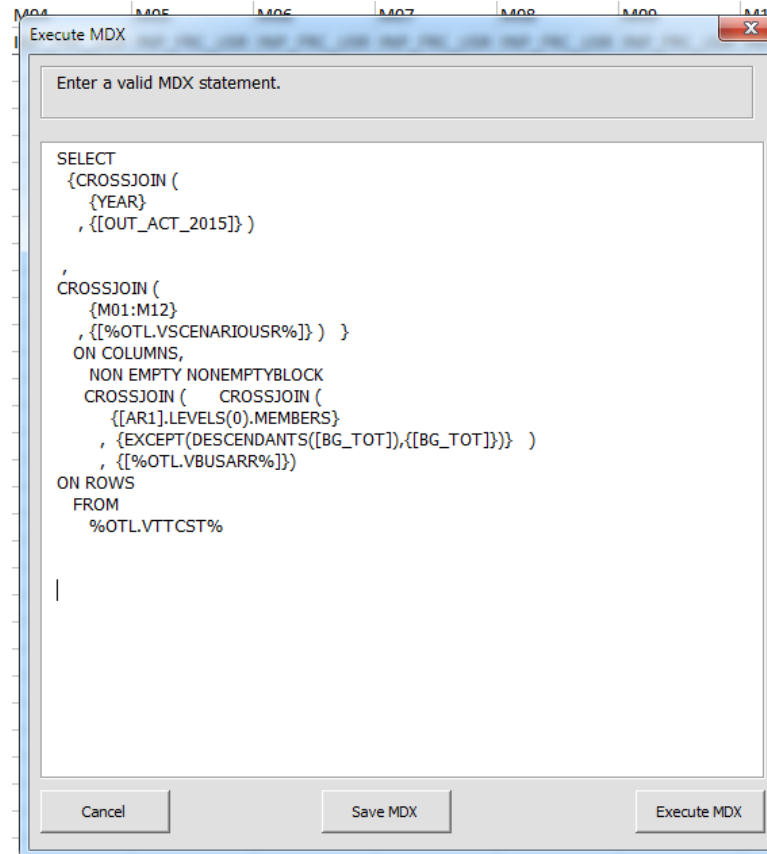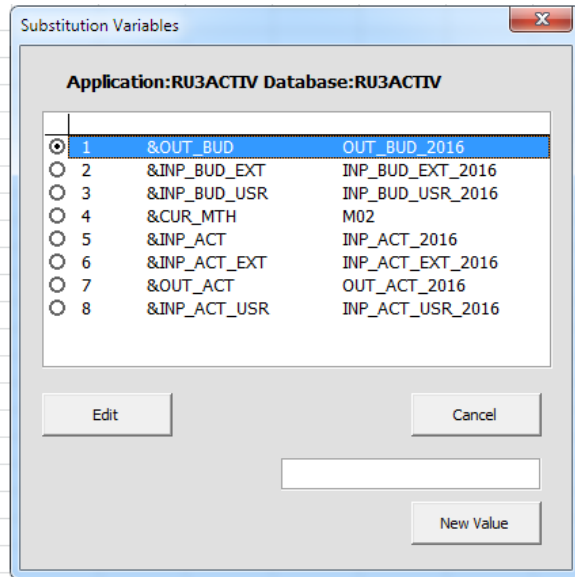for preventing the SmartView authentication hell
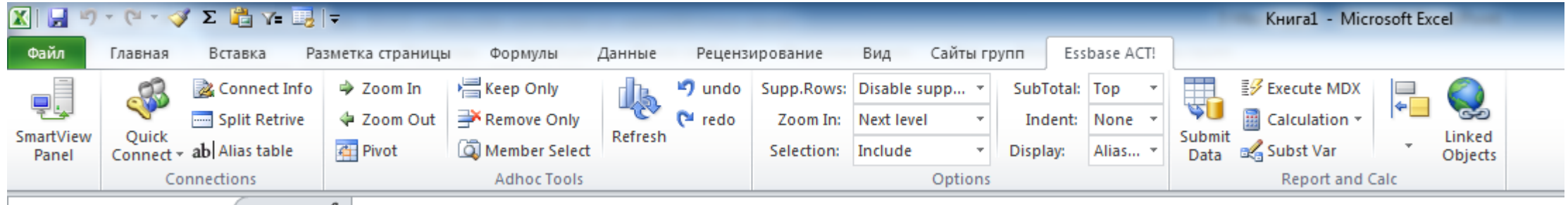

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SmartView Optimizer
main feature list

Substitution variable manager
, Execute MDX , Calculations

Substitution Variables

Application:RU3ACTIV Database:RU3ACTIV

●	1	&OUT_BUD	OUT_BUD_2016
○	2	&INP_BUD_EXT	INP_BUD_EXT_2016
○	3	&INP_BUD_USR	INP_BUD_USR_2016
○	4	&CUR_MTH	M02
○	5	&INP_ACT	INP_ACT_2016
○	6	&INP_ACT_EXT	INP_ACT_EXT_2016
○	7	&OUT_ACT	OUT_ACT_2016
○	8	&INP_ACT_USR	INP_ACT_USR_2016

Edit   Cancel

New Value

Execute MDX

Enter a valid MDX statement.

```
SELECT
  {CROSSJOIN (
     {YEAR}
    , {[OUT_ACT_2015]} )

  ,
  CROSSJOIN (
     {M01:M12}
    , {[%OTL.VSCENARIOUSR%]} )  }
  ON COLUMNS,
    NON EMPTY NONEMPTYBLOCK
    CROSSJOIN (     CROSSJOIN (
       {[AR1].LEVELS(0).MEMBERS}
      , {EXCEPT(DESCENDANTS([BG_TOT]),{[BG_TOT]})}  )
      , {[%OTL.VBUSARR%]})
  ON ROWS
    FROM
      %OTL.VTTCST%

|
```

Cancel   Save MDX   Execute MDX

Calculation Scripts

Cube
☑ RU3ACTIV

Calculation Script	Cube
Default	RU3ACTIV
ACT_CALC_ALL	RU3ACTIV
BUD_CALC_ALL	RU3ACTIV
BUD_CLEAR_ROUTING_USR	RU3ACTIV
BUD_ROUTING_EXT_TO_USR	RU3ACTIV
X_D_ACT_VAR_01	RU3ACTIV
X_D_BUD_COST_01	RU3ACTIV
X_D_BUD_VOL_01	RU3ACTIV
Z_D_ACT_VAR_01	RU3ACTIV

Launch   Close

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SmartView Optimizer
main feature list

Automatic Registry settings

Excel Calculations Performance

Preventing common mistakes :

- Memory   leaks
- Use one sheet for different connections
- Preventing creating on the sheet multi greed reports

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SmartView Optimizer
Organizing workflow

Detailed WorkFlow is

    One sheet with workflows steps and parameters

    Other sheets with MDX reports

SmartView Optimizer
know issues

Display

| Language | English |

Default
English
Arabic
Simplified Chinese
Traditional Chinese

☐ Display Smart View Shortcut Menus Only

☑ Disable Smart View in Outlook

☑ Enable Ribbon Context Changing

Oracle Smart View for Office
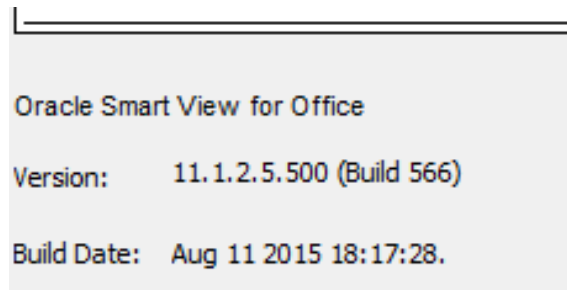
Version: 11.1.2.5.500 (Build 566)

Build Date: Aug 11 2015 18:17:28.
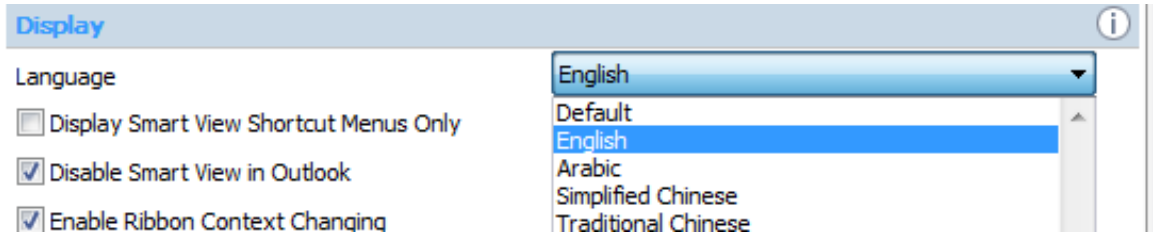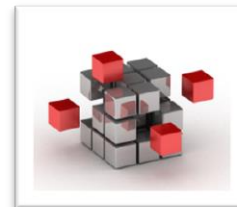
Works only if SV set up to English language

MDX queries supported only if SmartView have grater version than 11.1.2.5

In some cases before creating Quick Connection link you need create connection using standard SV way. (It's usually happens in the first times)

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all useful options in one place


```vba
End Sub


Sub p_SetOption(vStrOption As Variant, vOptionValue As Variant)
Dim strErr As String
Dim cnt As Integer
'https://docs.oracle.com/cd/E38438_01/epm.111223/sv_developer/frameset.htm?ch13s06.html

cnt = getCountWB()

        'If Not (ActiveSheet Is Nothing) Then
    If Not (cnt = 0) Then

    If Not (vStrOption = 999) Then
     x = HypSetOption(vStrOption, vOptionValue, ActiveSheet.Name)

        If x <> 0 Then
          strErr = x & " HypSetOption1 "
           GoTo ErrorHandler
        End If
    End If

        If (vStrOption < 17) And Not (vStrOption = 999) Then
          x = HypSetSheetOption(Empty, vStrOption, vOptionValue)

        If x <> 0 Then
           strErr = x & " HypSetSheetOption "
            GoTo ErrorHandler
        End If
      End If
    End If
```

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Optimize Excel Calculations p1

```
EssBaseRibbon (EssBaseWF.xlam)
  Microsoft Excel Objects
  Forms
    fExecuteMDX
    fManageConnectrionLinks
    fSubsVariables
  Modules
    mCommonSVC
    mCryptoSVC
    mFileConnSVC
    mRegistrySVC
    mRibbonAct
    mRibbonDyn
    mRibbonOPT
    mRibbonSVC
    mSVCommonSVC
    mSVConnectSVC
    mSVGeneralLIB
    mSVMdxSVC
    mSVPlanningAct
    mSVStyleSVC
    mTextBoxSVC
```

```vba
End Sub


Sub p_OnRibbonLoad(vRibbon As IRibbonUI)
 On Error GoTo ErrorHandler
 Dim lngRibPtr
 Dim vCurrConnPrefix


 Dim cnt
 cnt = getCountWB()


 Application.MultiThreadedCalculation.Enabled = True
 Application.AutoRecover.Time = 7
 Application.EnableEvents = True


    If Not (cnt = 0) Then

    Set vIRibbonUI = vRibbon

    lngRibPtr = ObjPtr(vRibbon)                   'HandleID van Ribbon
    Call p_WriteGlobalProperty(rbHandleProp, lngRibPtr)
```
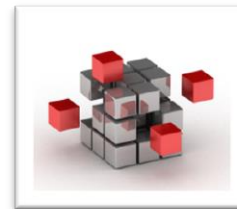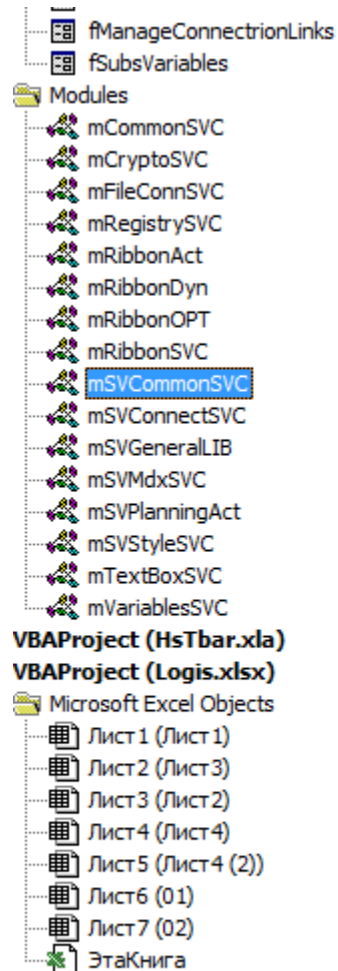
Optimize Excel Calculations p2

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SmartView issues workarounds


```
fManageConnectrionLinks
fSubsVariables
Modules
    mCommonSVC
    mCryptoSVC
    mFileConnSVC
    mRegistrySVC
    mRibbonAct
    mRibbonDyn
    mRibbonOPT
    mRibbonSVC
    mSVCommonSVC
    mSVConnectSVC
    mSVGeneralLIB
    mSVMdxSVC
    mSVPlanningAct
    mSVStyleSVC
    mTextBoxSVC
    mVariablesSVC
VBAProject (HsTbar.xla)
VBAProject (Logis.xlsx)
Microsoft Excel Objects
    Лист1 (Лист1)
    Лист2 (Лист3)
    Лист3 (Лист2)
    Лист4 (Лист4)
    Лист5 (Лист4 (2))
    Лист6 (01)
    Лист7 (02)
    ЭтаКнига
```

```
EssBaseWF.xlam - mSVCommonSVC (Code)

(General)

    Sub p_checkTime()
        Dim sngEnd As Single
        Dim sngElapsed As Single
        sngEnd = Timer

        ActiveSheet.AutoFilterMode = False
        ActiveWindow.FreezePanes = False

        If StartExcelTime = 0 Then
            StartExcelTime = sngEnd
        End If

        sngElapsed = Format(sngEnd - StartExcelTime, "Fixed")

    If sngElapsed > 14400 Then
        MsgBox "It's time to restart Excel ", vbExclamation
        End
    End If

    If svc_GetMemUsage > 1024000 Then
        MsgBox "Memory Leaks. It's time to restart Excel ", vbCritical
        End
    End If

    If vIsRibonnError Then
        MsgBox "Ribbon Crash. It's time to restart Excel ", vbCritical
        vIsRibonnError = False
        End
    End If
```
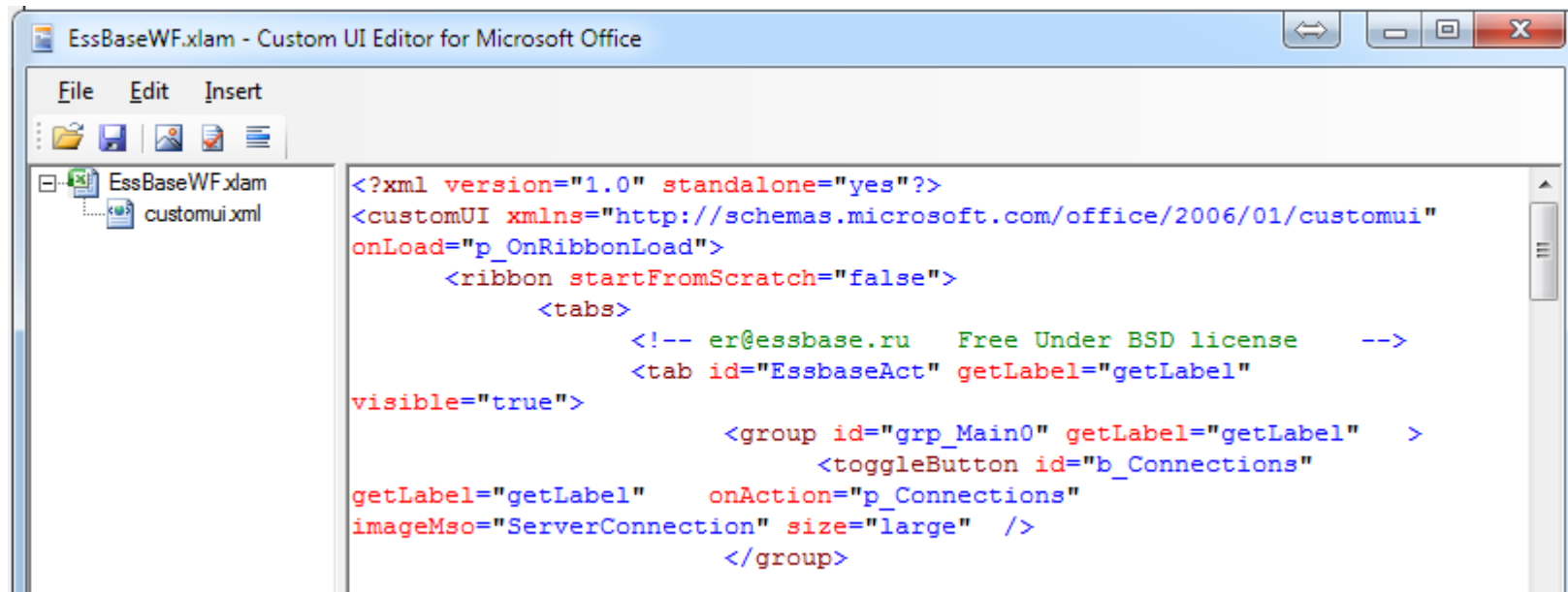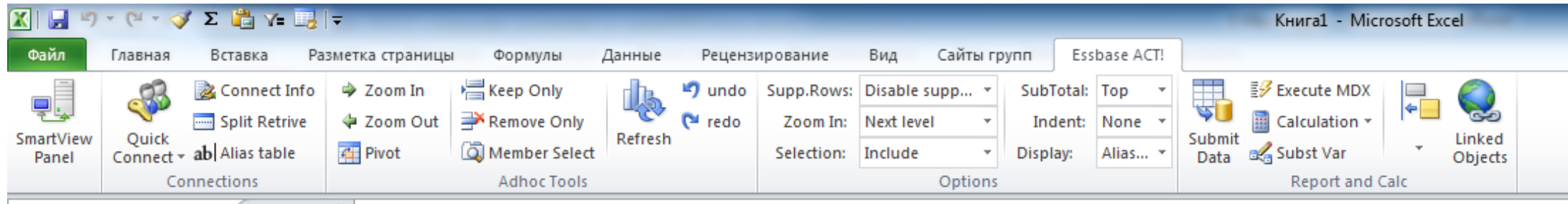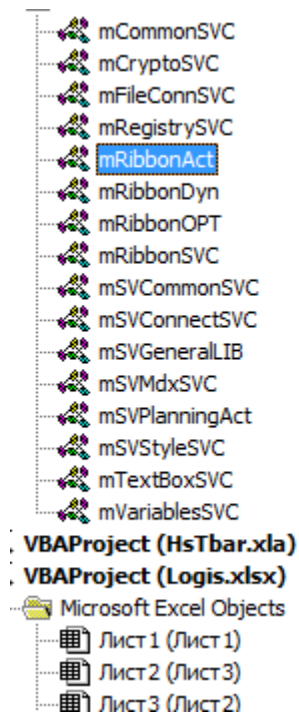
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Create Ribbon Buttons

all buttons in one place
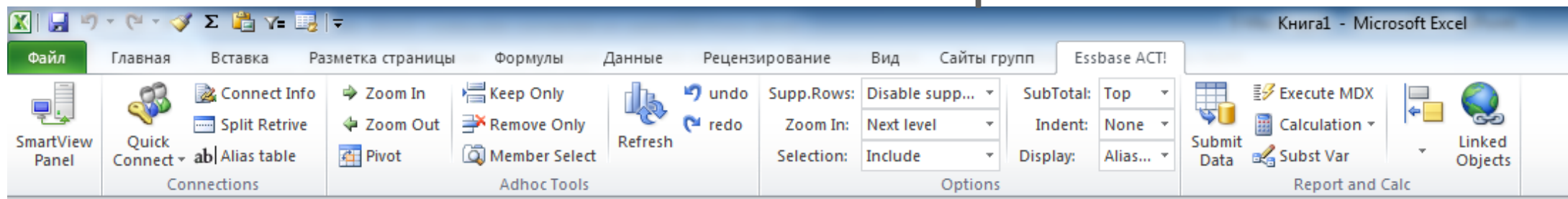

```vba
Sub p_ZoomOut(ByVal vIRibbonControl As IRibbonControl)
On Error GoTo ErrorHandler

  Call p_CheckConnection

  Call p_setExcelCalcOff
        x = HypMenuVZoomOut()

  Call p_freezePanel
  Call p_setExcelCalcOn

    If x <> 0 Then GoTo ErrorHandler

  x = HypShowPov(False)
    isMDXSlice = False
l_exit:
    Exit Sub
ErrorHandler:
'Call p_ErrorHandler(x, "p_ZoomOut")
    x = 0
End Sub
```

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remove any #Missing labels

mCryptoSVC
mFileConnSVC
mRegistrySVC
mRibbonAct
mRibbonDyn
mRibbonOPT
mRibbonSVC
mSVCommonSVC
mSVConnectSVC
mSVGeneralLIB
mSVMdxSVC

```
Sub p_mnMissInit(vIRibbonControl As IRibbonControl, ByRef itemID As Variant)
    itemID = "none" '""'0" '"#NumericZero"
    vHSV_MISSING_LABEL = "" ' "#NumericZero"
    Call p_SetOption(HSV_MISSING_LABEL, vHSV_MISSING_LABEL)
End Sub
```

M11	M11	M11	M11	M11
OUT_ACT	OUT_ACT	OUT_ACT	OUT_ACT	OUT_ACT
P_99530	P_99530	P_99530	P_99530	P_99530
ST_02	ST_03	ST_04	ST_05	ST_06
IFO	IFO	IFO	IFO	IFO
7 034,29	0,09			
12 413,45	0,15			
27 723,37	0,34			
66 205,07	0,82			
27 309,59	0,34			
78 894,37	0,98			
46 498,72	0,58			

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Quick Connections
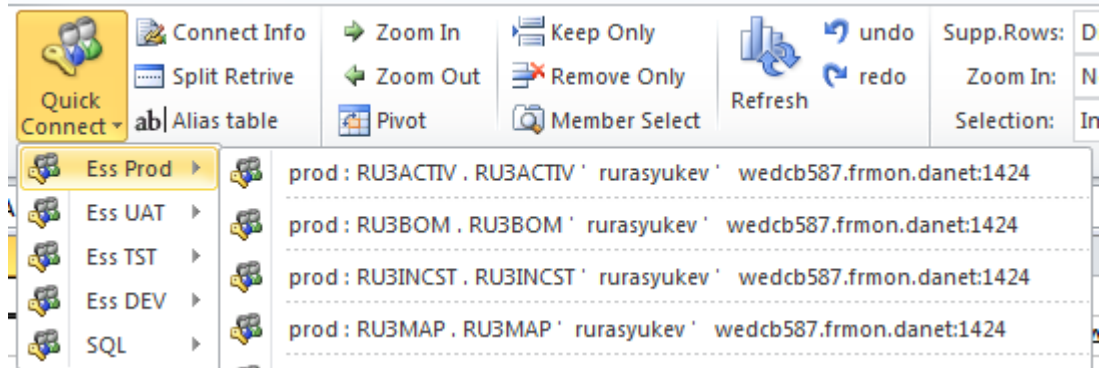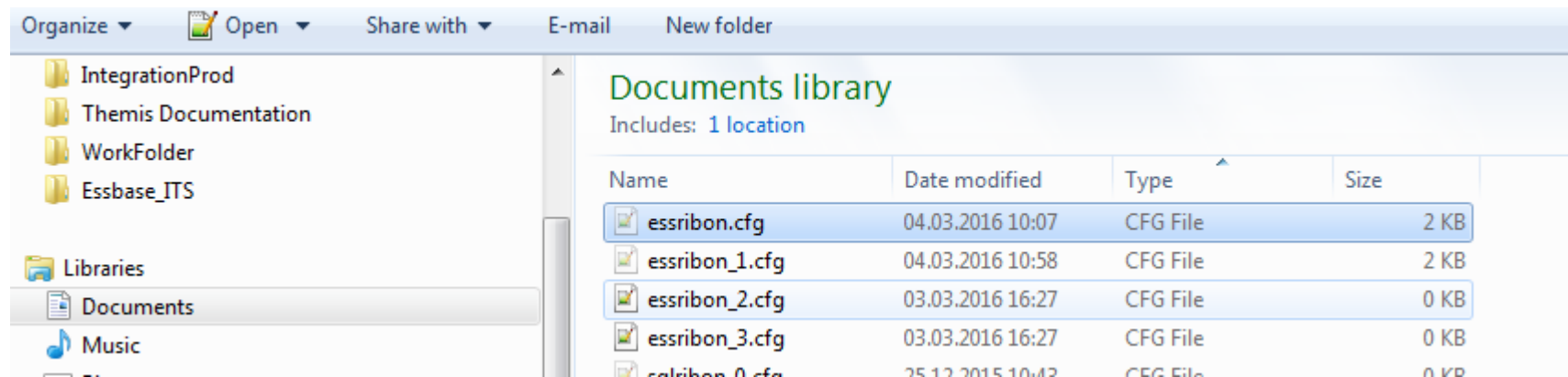
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MDX Executor


```
EssBaseRibbon (EssBaseWF.xlam)
  Microsoft Excel Objects
  Forms
      fExecuteMDX
      fManageConnectrionLinks
      fSubsVariables
  Modules
      mCommonSVC
      mCryptoSVC
      mFileConnSVC
      mRegistrySVC
      mRibbonAct
      mRibbonDyn
      mRibbonOPT
      mRibbonSVC
      mSVCommonSVC
      mSVConnectSVC
      mSVGeneralLIB
      mSVMdxSVC
      mSVPlanningAct
      mSVStyleSVC
      mTextBoxSVC
      mVariablesSVC
VBAProject (HsTbar.xla)
VBAProject (Logis.xlsx)
  Microsoft Excel Objects
      Лист1 (Лист1)
      Лист2 (Лист3)
      Лист3 (Лист2)
      Лист4 (Лист4)
```

EssBaseWF.xlam - fExecuteMDX (UserForm)

Execute MDX

EssBaseWF.xlam - fExecuteMDX (Code)

bExecuteMDX

```vba
Private Sub bExecuteMDX_Click()
 On Error Resume Next
     Unload Me

  If ActiveSheet Is Nothing Then
        MsgBox "active sheet is not determinated "
        Exit Sub
    End If

Dim vCurrMDX
 vCurrMDX = UCase(Me.mdxTextBox.Text)
If InStr(vCurrMDX, "FROM") = 0 Or InStr(vCurrMDX, "SELECT") = 0 Then
   MsgBox " Check MDX Statment "
  Exit Sub
End If

  Call p_deleteAllTextBox("MDXq")
  Call p_CreateTextBox("MDXq", "" & vCurrMDX)
  Call hideTextBox("MDXq")

  Call p_ExecStoredMDXINT
```

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http://essbase.ru/opensource/essbase-act-excel-ribbon

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