
Subject: [SEMI-SOLVED] OfficeAutomation : How to Set Hyperlink to a Excel cell?
Posted by [sergeynikitin](#) on Fri, 01 Jul 2011 13:49:35 GMT

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OfficeAutomation : How to Set Hyperlink to a Excel cell?

Can I quickly add this functionality to OfficeAutomation?

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?
Posted by [sergeynikitin](#) on Sat, 02 Jul 2011 10:32:32 GMT

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I try to add Method HyperLink to OfficeAutomation. But it not work

Where is my mistake?

```
bool MSSheet::Hyperlink(int col, int row, String hypertext, String hyperaddress) {
    if (!App)
        return false;

    VariantOle x, y;
    x.Int4(col);
    y.Int4(row);

    if (!(Sheet = Ole::GetObject(App, "ActiveSheet")))
        return false;

    ObjectOle Hyperlinks = Ole::GetObject(Sheet, "Hyperlinks");
    ObjectOle Cell1 = Ole::GetObject(Sheet, "Cells", x, y);
    VariantOle vCell;
    vCell.ObjectOle(Cell1);
    ObjectOle Link = Ole::GetObject(Hyperlinks, "Add", vCell);
    String d;
    if (Link != NULL) d= "Not Null"; else d="Null";
    PromptOK("After assing & link is "+d);
    VariantOle vAddr,vText;
    vAddr.BString(hyperaddress);
    vText.BString(hypertext);
    Ole::SetValue(Link, "Address", vAddr) ;
    Ole::SetValue(Link, "TextToDisplay", vText) ;
    return true;
}
```

Please help!

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [sergeynikitin](#) on Sun, 03 Jul 2011 11:42:07 GMT

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Semi-Solved!

Idea is to use Cell formula HYPERLINK.

I add function SetFormula(x,y,formula) to package OfficeAutomation.

Officeautomation.cpp:

```
bool MSSheet::SetFormula(int col, int row, String formula) {
    if (!Sheet)
        return false;
```

```
    VariantOle x, y;
```

```
    x.Int4(col);
```

```
    y.Int4(row);
```

```
    VariantOle val;
```

```
    val.Value(formula);
```

```
    //SetValue(col, row, (formula));
```

```
    return Ole::SetValue(Ole::GetObject(Sheet, "Cells", x, y), "FormulaR1C1", val);
```

```
}
```

I'm not shure in this function for OOO(correct me please)

Officeautomation.cpp below:

```
bool OPENSHEET::SetFormula(int col, int row, String formula) {
```

```
    if (!SelCell(col, row))
```

```
        return false;
```

```
    VariantOle vText;
```

```
    vText.BString(formula);
```

```
    return Ole::Method(Cell, "setFormula", vText);
```

```
}
```

OfficeAutomationMethods.h after line 12:

```
Add line virtual bool SetFormula(int col, int row, String formula); \
```

OfficeSheet.cpp after line 107:

```
Add lines bool SheetPlugin::SetFormula(int col, int row, String formula) {return false;}
```

```
bool OfficeSheet::SetFormula(int col, int row, String formula) {return (static_cast<SheetPlugin*>(GetData()))->SetFormula(col, row, formula);}
```

This is my patch. Pls apply.

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [koldo](#) on Mon, 11 Jul 2011 15:25:38 GMT

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Hello Sergey

=HYPERLINK() is a very good idea.

Just try this with Automation demo:

```
sheet.SetValue("E23", "=hyperlink(\"http://www.ultimatepp.org\"; \"Ultimate link\")");
```

It will be included today in Bazaar.

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [sergeynikitin](#) on Mon, 11 Jul 2011 19:32:34 GMT

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koldo wrote on Mon, 11 July 2011 19:25Hello Sergey

=HYPERLINK() is a very good idea.

Just try this with Automation demo:

```
sheet.SetValue("E23", "=hyperlink(\"http://www.ultimatepp.org\"; \"Ultimate link\")");
```

It will be included today in Bazaar.

This don't work. I already try it.

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [koldo](#) on Mon, 11 Jul 2011 21:03:36 GMT

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Hello Sergey

It is uploaded. Please try it .

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [ratah](#) on Tue, 12 Jul 2011 12:44:41 GMT

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Hi,

I come here rarely, i'm busy with my job now.

I send you another library for OfficeAutomation and whatever you want : the "DispHelper"

It demonstrates using COM objects including ADO, CDO, Outlook, Eudora, Excel, Word, Internet Explorer, MSHTML, PocketSoap, Word Perfect, MS Agent, SAPI, MSXML, WIA, dexplorer and WMI

Here is the links

<http://cvs.sourceforge.net/viewcvs.py/dispHelper/dispHelper/>
sourceforge.net/projects/dispHelper/

I use the plugin OfficeAutomation and have this little bug:

The EXCEL.EXE does not close correctly!

Here is a program test and bug report.

I do not know where is the problem.

File Attachments

1) [excel_bug.jpg](#), downloaded 847 times

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [ratah](#) on Tue, 12 Jul 2011 12:46:40 GMT

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the sample code

File Attachments

1) [testExcel.zip](#), downloaded 414 times

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [koldo](#) on Wed, 13 Jul 2011 07:50:13 GMT

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Hello Ratah

Sorry. I run your sample (thank you, it is simple and complete) but I do not get any lost EXCEL.EXE process.

I use Windows XP SP3 and Office 2003.

A detail not related with your problem: In your sample you open sheet var first with "Open" and

then with "Microsoft". As you open both with the same var the second plugin kills the first so
sheet.Init("Open");
can be deleted.

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?
Posted by [sergeynikitin](#) on Wed, 13 Jul 2011 11:45:17 GMT
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Formula Hyperlink work fine!
and Excel don't crash during close OLE connection.!!!

Are you seen Hyperlink fuction at the top of the forum thread ?

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?
Posted by [sergeynikitin](#) on Wed, 13 Jul 2011 12:05:17 GMT
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My Code to work with OfficeAutomation:

```
void MainWindow::ExportExcel(){  
  
    SelectColumnsDlg dlg;  
  
    if(dlg.Execute() != IDOK)  
        return;  
  
    OfficeSheet sheet;  
    String fn = AppendFileName(GetDesktopFolder(), "Export.xls");  
    bool openAvailable = sheet.IsAvailable("Open");  
    bool microsoftAvailable = sheet.IsAvailable("Microsoft");  
    if (openAvailable) {  
        sheet.Init("Open");  
    }  
    if (microsoftAvailable) {  
        sheet.Init("Microsoft");  
    }  
  
    //if (!sheet.OpenSheet(fn, true)) {  
        sheet.AddSheet(true);  
    //}  
  
    int col=1;  
    #define eq(n,m,a) if (~dlg.n ==1) sheet.SetValue(col++, 1, m); a;
```

```

eq(opt_number,t_("Number"),)
eq(opt_address,t_("Address"),sheet.SetColWidth(col-1, 60))
eq(opt_time1,t_("Time from"),sheet.SetColWidth(col-1, 30))
eq(opt_time2,t_("Time to"),sheet.SetColWidth(col-1, 30))
eq(opt_price,t_("Price"),)
eq(opt_tax,t_("Tax"),)
eq(opt_makeprice,t_("Make price"),)
eq(opt_maketax,t_("Make tax"),)
eq(opt_size,t_("Size"),sheet.SetColWidth(col-1, 30))
eq(opt_link,t_("Link"),sheet.SetColWidth(col-1, 30))
eq(opt_status,t_("Status"),sheet.SetColWidth(col-1, 30))

sheet.Select(1, 1, col-1, 1);
sheet.SetBold(true);

int count=0;
LOG("Start Export-----");
for(int i = 0; i < listobj.GetCount() ; i++) {
    String link = LinkCalc(listobj(i,OBJ_ID));
    if (listobj(i,Id("Select")) == 1) {
        int col=1;
        #undef eq
        #define eq(n,m) if (~dlg.n ==1) sheet.SetValue(col++, i+2, m);
        #define eq1(n,m) if (~dlg.n ==1) m;
        eq(opt_number,AsString(count+1))
        eq(opt_address,AsString(listobj(i,OBJ_ADDRESS)))
        eq(opt_time1,DateConvert().Format(listobj(i,OBJ_TIME_FROM)))
        eq(opt_time2,DateConvert().Format(listobj(i,OBJ_TIME_TO)))
        eq(opt_price,FormatL(listobj(i,OBJ_PRICE)))
        eq(opt_tax,AsString(listobj(i,OBJ_TAX)))
        eq(opt_makeprice,FormatL(listobj(i,OBJ_MAKEPRICE)))
        eq(opt_maketax,AsString(listobj(i,OBJ_MAKETAX)))
        eq(opt_size,AsString(listobj(i,OBJ_SIZE)))
        eq1(opt_link,sheet.SetValue(col++, i+2,"=HYPERLINK(\""+link+"\";\"Presentation\")");
        eq(opt_status,AsString(listobj(i,OBJ_STATUS)))
        count++;
    }
}

}
PromptOK("End Export&"+AsString(count)+" lines exported");
LOG("End Export-----");
}

```

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [ratah](#) on Wed, 13 Jul 2011 12:23:16 GMT

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Thank you,

I have the bug when "test.xls" is not yet created.
Try to delete this file and reexecute you program.

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [koldo](#) on Wed, 13 Jul 2011 13:37:15 GMT

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sergeynikitin wrote on Wed, 13 July 2011 13:45Formula Hyperlink work fine!
and Excel don't crash during close OLE connection.!!!

Are you seen Hyperlink fuction at the top of the forum thread ?

Hello Sergey

I tried a different version of SetHyperlink but it does not work. It will be in the code (after uploading it today).

At first your version did not seem to be right for me but, in Office OLE often there are more than one way to do something. Does it work for you?

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [sergeynikitin](#) on Wed, 13 Jul 2011 14:00:34 GMT

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Your code work fine. Thank you.

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [koldo](#) on Wed, 13 Jul 2011 15:05:29 GMT

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Hello Ratah

Yes, I see the problem. I have working with it unsuccessfully...

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [koldo](#) on Fri, 20 Sep 2013 08:35:29 GMT

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Hello Ratah

Problem solved, please check.

Now OfficeAutomation under no circumstance leaves an EXCEL instance running after closing it .

Subject: Re: OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [ratah](#) on Mon, 23 Sep 2013 11:22:49 GMT

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Great to see you and your resolution Koldo

Thanks

Subject: Re: [SEMI-SOLVED] OfficeAutomation : How to Set Hyperlink to a Excel cell?

Posted by [koldo](#) on Mon, 23 Sep 2013 14:11:37 GMT

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Please check if it works for you.

It uses a dirty trick to get ActiveX process id
