
Subject: OfficeAutomation: how to get Excel Range
Posted by [iST1](#) on Thu, 04 Aug 2016 15:16:50 GMT
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Is there a fundamental opportunity to add method for getting Excel Range instead of access to cells in a cycle GetValue(i, j)? Now access by GetValue when cells in the table ~100x100 very slow in the case when GetNumTabs ~ 1000

Subject: Re: OfficeAutomation: how to get Excel Range
Posted by [koldo](#) on Mon, 08 Aug 2016 08:14:44 GMT
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Hello iST1

From now there are included in source, demo and documentation new fast functions to set a data matrix on an spreadsheet.

I am working in new functions to get data from an spreadsheet.

They are available only for MS Excel.

Subject: Re: OfficeAutomation: how to get Excel Range
Posted by [koldo](#) on Mon, 08 Aug 2016 13:52:40 GMT
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Sorry iST1

I am stuck... Code is apparently right but no data is kept from the spreadsheet and no error is got from Windows.

In Bazaar/OfficeAutomation_demo_console sample, line 100, sheet.MatrixGet() function should get spreadsheet data.

Any help is acknowledged

Subject: Re: OfficeAutomation: how to get Excel Range
Posted by [iST1](#) on Mon, 08 Aug 2016 15:36:43 GMT
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In TheIDE v9251 i found a group of methods Matrix***, but still can not get the value
For example, i'm trying to get left 2x2 matrix:

```
sheet.OpenSheet("C:/1.xls", true);
```

```
sheet.Select(1, 1, 2, 2);  
Vector<Vector<::Value> > data;  
data.SetCount(2);
```

```
data[0].SetCount(2);
data[1].SetCount(2);

sheet.MatrixAllocate(2, 2);
sheet.MatrixFill(2, 2, data);

::Value &val = data[1][1];
int d = val;
sheet.MatrixFillSelection();
d = val;
sheet.MatrixFill(2, 2, data);
d = val;
sheet.Quit();
```

You can make a small example? (Matrix** is unused in Bazaar/OfficeAutomation_demo_console)

Subject: Re: OfficeAutomation: how to get Excel Range
Posted by [koldo](#) on Tue, 09 Aug 2016 07:35:22 GMT
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Hello iST1

AFAIK those methods were created to set data in a spreadsheet, but not to get data from it.

In OfficeAutomation_demo_console sample you will see a new version of them.

Subject: Re: OfficeAutomation: how to get Excel Range
Posted by [iST1](#) on Tue, 09 Aug 2016 16:50:28 GMT
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Hello koldo!
Unfortunately, I need to read range. Its implementation is not planned?

Subject: Re: OfficeAutomation: how to get Excel Range
Posted by [koldo](#) on Thu, 11 Aug 2016 10:05:28 GMT
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koldo wrote on Mon, 08 August 2016 15:52 Sorry iST1

I am stuck... Code is apparently right but no data is kept from the spreadsheet and no error is got from Windows.

In Bazaar/OfficeAutomation_demo_console sample, line 100, sheet.MatrixGet() function should get spreadsheet data.

Any help is acknowledged

Subject: Re: OfficeAutomation: how to get Excel Range

Posted by [iST1](#) on Thu, 11 Aug 2016 17:50:12 GMT

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Are you sure that this feature is in the TheIDE v9251? Attached is a screen line 100

File Attachments

1) , downloaded 572 times

```

OfficeAutomation_demo_console.cpp
MINGW Debug
OfficeAutomation_demo_console.cpp

Symbol/lineno (Ctrl+L)
All
officeautomation_dei

officeautomation_dei
end: bool
TestGetchar(): v
Puts(String s): vo
TestSheetDetail(
TestSheet(): voik
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TestDoc(): void
CONSOLE_APP_M

sheet.SetRowHeight(4, 30);
sheet.SetColWidth(3, 30);

Puts("Filling header using SetValue");
for (int x = 1; x <= 20; ++x)
    sheet.SetValue(x, 1, Format("Header %d", x));

sheet.Select(2, 2, 5, 4);
sheet.SetBold(true);
sheet.SetItalic(true);
sheet.SetUnderline(true);
sheet.SetFont("Times New Roman", 12);
sheet.SetBorder(OfficeSheet::BORDER_BOTTOM, OfficeSheet::DASHDOT, OfficeSheet::DASHDOT);
sheet.SetBorder(OfficeSheet::BORDER_RIGHT, OfficeSheet::CONTINUOUS, OfficeSheet::CONTINUOUS);

Puts("Changing cell alignment");
sheet.SetHorizAlignment(4, 3, OfficeSheet::CENTER);
sheet.SetVertAlignment(4, 3, OfficeSheet::CENTER);

Puts("Filling cells using SetValue");
for (int y = 2; y <= 20; ++y)
    for (int x = 1; x <= 20; ++x)
        sheet.SetValue(x, y, x*y);

/*
Puts("Filling cells MUCH faster using Range functions");
sheet.Select("A21:GR2020");
sheet.DefMatrix(200, 2000);
for (int x = 1; x <= 200; ++x)
    for (int y = 1; y <= 2000; ++y)
        sheet.SetMatrixValue(x, y, x*y);
sheet.FillSelectionMatrix(); // Fill selected range with matrix
*/

sheet.SetValue(2, 2, "=A7*B5");
sheet.SetValue(3, 21, "Hello"); Puts("Cell(3, 21) = " + sheet.GetValue(3, 21));
sheet.SetValue("BD25", 23242.343); Puts("Cell(BD25) = " + sheet.GetValue("BD25"));
sheet.SetValue(1, 2, "'123456789123456789");
sheet.SetValue("BE25", OfficeSheet::ColRowToCell(30, 12));
sheet.SetValue("B26", GetSysTime()); Puts("Cell(B26) = " + sheet.GetValue("B26"));
sheet.SetValue("D22", "Sum");
sheet.SetValue("E22", "=sum(E14:E20)"); Puts("Cell(E22) = " + sheet.GetValue("E22"));
sheet.SetValue("E23", sheet.Function("hyperlink", "\"http://www.ultimatecpp.com\""));

```

Subject: Re: OfficeAutomation: how to get Excel Range
 Posted by [koldo](#) on Fri, 12 Aug 2016 07:34:30 GMT

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Oh no! . I added that few days ago, so it is in version > 10100

Subject: Re: OfficeAutomation: how to get Excel Range

Posted by [iST1](#) on Sat, 13 Aug 2016 17:25:12 GMT

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I Found! But, for some reason the data is not filled, but on the contrary, after the call MatrixGet is cleared appropriate Range in Excel. At the same time data-vector is resized, but contain only empty Values

Subject: Re: OfficeAutomation: how to get Excel Range

Posted by [iST1](#) on Mon, 15 Aug 2016 17:48:08 GMT

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In Bazaar/OfficeAutomation_demo_console sample (> 10158), line 100, sheet.MatrixGet() only cleared Range without getting values

Subject: Re: OfficeAutomation: how to get Excel Range

Posted by [iST1](#) on Sat, 20 Aug 2016 05:26:10 GMT

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Hello Koldo! May I be wrong to look, but MatrixGet does not work(

Subject: Re: OfficeAutomation: how to get Excel Range

Posted by [koldo](#) on Sat, 20 Aug 2016 14:57:55 GMT

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Hello iST1

I know it but I do not know how to solve it.
