

1899658 - Too many styles slow down or crash Analysis Office

Version	3	Type	SAP Note
Language	English	Master Language	English
Priority	Correction with medium priority	Category	Consulting
Release Status	Released for Customer	Released On	01.07.2014
Component	BI-RA-AO-XLA (Excel Addin)		

Please find the original document at <https://launchpad.support.sap.com/#/notes/1899658>

Symptom

Opening a workbook with Analysis, edition for Microsoft Office is very slow or causes Analysis, edition for Microsoft Office to crash. Opening the same workbook with the Analysis addin disabled works fine.

Depending on the number of cell styles in a workbook the performance of Analysis, edition for Microsoft Office decreases as certain calls to Excel get very slow. The amount of cell styles can be checked via the Home ribbon's Styles section where there is a drop down button called Cell Styles. Clicking on this button opens the drop down that shows the styles in the workbook. If this drop down contains a large number (hundreds or thousands) of styles then this is a clear indication that this is the cause for the poor performance.

There are cases where Copying and Pasting cells from one workbook to another cause Excel to add new styles to the workbook. This is sometimes referred to as "Custom Style Explosion".

Usually the majority of the styles is not even used in the workbook. Therefore deleting the styles will solve the problem.

Please also see the following entries in the Microsoft Knowledge Base which describes a different symptom but the same root cause:

<http://support.microsoft.com/kb/213904>

Reason and Prerequisites

Program error in Excel

Solution

In order to solve the issue, first the unwanted styles need to be removed from the workbook. In addition Excel / Office should be updated or patched so that unwanted styles are no longer created by Excel.

Removing styles from the workbook

General information and references to helpful tools is provided in

<http://support.microsoft.com/kb/213904>

Alternatively the following Excel macro code can be used, which will remove all custom styles and which will change the appearance of the workbook if custom styles were used.

```
Sub DeleteStyles()
```

```
Dim style As style
```

```
Dim counter As Long
```

```
counter = 0
```

```
For Each style In ActiveWorkbook.Styles
```

```
If style.BuiltIn = False Then
```

```
style.Locked = False
```

```
style.Delete
```

```
counter = counter + 1
```

```
End If
```

```
Next
```

```
MsgBox (counter & " styles were deleted.")
```

```
End Sub
```

Finally the data sources in the workbook should be refreshed which will restore the styles that Analysis, edition for Microsoft Office uses.

Updating Excel / Office to prevent the issue from occurring again

Microsoft has provided SPs and hot fixes that claim to address the issue

- Excel 2007

<http://support.microsoft.com/kb/981731>

<http://support.microsoft.com/kb/2534047>

- Excel 2010

<http://support.microsoft.com/kb/2460049>

<http://support.microsoft.com/kb/2687455>

Software Components

Software Component	Release
ANALYSISOFFICE	1.1 - 1.1
ANALYSISOFFICE	1.2 - 1.2
ANALYSISOFFICE	1.3 - 1.3
ANALYSISOFFICE	1.4 - 1.4

This document refers to

SAP Note/KBA	Title
330793	Downloading patches
1518359	SAP BusinessObjects Analysis Office & BIP Add On Release schedule
1466118	Hardware & Software requirements for Analysis, edition for MS Office

This document is referenced by

SAP Note/KBA	Title
2076788	Workbook takes several minutes to open or crash when Analysis for Office is activated

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