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# SAP® Business Objects Analysis Office for Experts

- ▶ Get to know the BPC 10.1 Add-In for Excel
- ▶ Learn about the Connection Concept
- ▶ Create a basic report from scratch
- ▶ Case study with many screenshots and explanations

# Table of Contents

<b>Preface</b>	<b>5</b>
How to use this book	6
<b>1 Evolution or revolution?</b>	<b>9</b>
1.1 The evolution of SAP Excel-based reporting tools	9
1.2 Why should you use AO?	14
<b>2 Installation and prerequisites</b>	<b>19</b>
2.1 Client prerequisites	19
2.2 After installation checks	27
2.3 Advanced default settings in the Windows registry (for administrators only)	29
2.4 Default settings in AO shortcut properties	32
<b>3 Terminology and basic settings</b>	<b>35</b>
3.1 Terminology	35
3.2 Analytical reporting and performance	37
3.3 AO Excel functionality	39
<b>4 Analysis Excel pivot, ribbon, and context menus</b>	<b>43</b>
<b>5 Enhanced features for power and management users</b>	<b>137</b>
5.1 Navigation and analysis in AO	137
5.2 Creating your company workbook template	177
5.3 Analytical workbooks and dashboards	194
<b>6 Enhancing reporting with API and Visual Basic (VBA)</b>	<b>203</b>
6.1 Access to VBA	204
6.2 Using the callback functionality	204
6.3 VBA recommendations for AO	207

6.4	AO API syntax	208
6.5	API functions	209
<b>7</b>	<b>AO PowerPoint</b>	<b>223</b>
7.1	Creating a new Analysis presentation	224
<b>8</b>	<b>AO Excel workbook migration</b>	<b>237</b>
8.1	Migration from SAP BEx workbooks to AO workbooks	237
8.2	Migration services offered by SAP	241
<b>A</b>	<b>Appendix</b>	<b>244</b>
<b>B</b>	<b>The Author</b>	<b>246</b>
<b>C</b>	<b>Index</b>	<b>247</b>
<b>D</b>	<b>Disclaimer</b>	<b>250</b>

## 2 Installation and prerequisites

**This chapter describes how to install Analysis Office (AO), the hardware requirements, and how to set up an optimized installation within your enterprise or for your personal use.**

Before you start using AO, make sure that you are using the correct version of AO, as well as the recommended client hardware. If you are using Version 1.4, I recommend using it in combination with the latest *Service Patch* (SP).

I encourage you to use AO 2.0, which is now generally available, because it has all the latest features and is in a stable condition and contains SAP enhanced functionality that you may need for daily reporting.

### 2.1 Client prerequisites

As its name suggests, Analysis Office (AO) requires Microsoft Office Excel for reporting analysis and Microsoft PowerPoint for presenting BW data.

#### 2.1.1 Microsoft Office Suite

The functionality available in the different Microsoft Office versions depends on the Microsoft Windows operating system you are using. For details, see the appropriate SAP Note in Section 2.1.4.

AO is compatible with:

- ▶ Microsoft Excel 2003- 2013
- ▶ Microsoft PowerPoint 2007 and Microsoft Office 2013

## Microsoft Office recommendations



I personally do not recommend using Office 2003 or 2007 in combination with AO.

SAP provides multiple SAP Notes for bypassing common problems, e. g., connecting charts. The joy of using AO lies in its broad spectrum of functionality. My suggestion is to use Microsoft Office 2010+.

### 2.1.2 Microsoft Windows operating system

Because of the Excel and PowerPivot requirement, AO is restricted to the Windows operating system. It can be used with Windows XP up to Windows 8.1. AO is restricted to use with Microsoft Office. SAP does not support any other office suites.

### 2.1.3 SAP GUI

SAP GUI installation is not mandatory on your individual computer client. If you prefer to use AO as a reporting application purely for end users, you can skip the installation of SAP GUI as well as the BW add-on installation (for installing SAP BEx tools). Nevertheless, I recommend installing the GUI and the add-ons because your users may need to change or create a query using SAP BEx Query Designer.

However, a local copy of *SAPLOGON.INI*, a file describing all SAP systems and their connection strings, IP addresses, etc., is required if you do not use a BI platform for connection management and want to connect to SAP NetWeaver BW.

## SAPLOGON.INI file



The default folder containing the SAPLOGON.INI file is in your Windows installation, as shown in Figure 2.1.

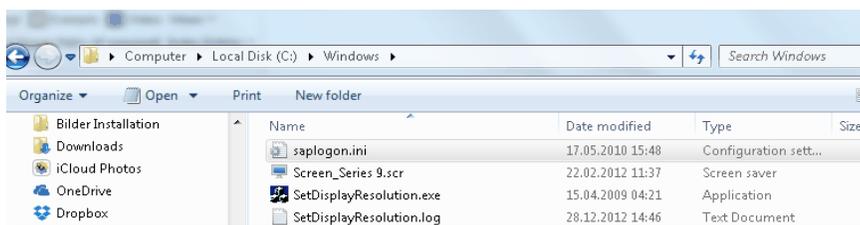


Figure 2.1: Location of your *saplogon.ini* file

Note that the file is only present if SAP GUI is actually installed, but you can create a manual copy in the Windows folder. Make sure that you do not overwrite an existing file.

I strongly recommend installing SAP GUI 7.30 and the SAP NetWeaver BW add-on (SAP BEx tools) with the latest service patch for users who plan to create BW SAP BEx queries as well.

With SAP GUI and the BW add-on installed locally, you will be able to switch back and forth from AO directly to SAP BEx Query Designer. Furthermore, your reporting can be enriched with SAP functionality for navigating to a specific characteristic, allowing you to use that key to retrieve further information by opening a SAP GUI screen showing the SAP ERP transaction screen.

We will cover AO integration functionality for the *Report-Report Interface* (RRI) in Chapter 5.

### SAP GUI is a prerequisite for using the Report-Report Interface



If you like to use the Report-Report Interface (RRI) to jump, for example, from an SD query to FI/CO queries and transport the selected filter, or to jump directly to SAP transactions, **you have to have** SAP GUI installed on your client PC.

## 2.1.4 PC client sizing

I will not list all of the possible combinations of available frontends. Instead, I recommend that you read **SAP Note 1466118**, which explains the possible combinations in detail and also addresses memory usage.

SAP Note  
 **1466118 - Hardware & Software requirements for Analysis, edition for MS Office**  
 Version 7    Validity: 20.06.2014 - active    Language English (Master)

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**Header Data**

Released On 24.06.2014 07:21:44  
 Release Status Released for Customer  
 Component BI-RA-AC-XLA Excel Addin  
 Priority Recommendations / Additional Info  
 Category Installation information

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**Symptom**

Questions on hardware and software requirements for the SAP BusinessObjects Analysis, edition for Microsoft Office.

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**Reason and Prerequisites**

Figure 2.2: SAP Note 1466118

## 2.1.5 SAP NetWeaver BW server prerequisites

To use AO in combination with SAP NetWeaver BW, you have to have an installed version of at least SAP NetWeaver BW 7.0 EhP1.

**Why do you need at least BW 7.0 EhP1?**



I recommend using SAP NetWeaver BW 7.3 or 7.4, as there are significant total cost of ownership (TCO) and integration improvements between Business Objects Enterprise and NetWeaver BW. Queries defined in SAP BEx Query Designer are now fully integrated.

SAP NetWeaver BW 7.x allows direct access to SAP NetWeaver BW InfoProviders for ad-hoc reporting, queries, and query views. For this reason, I recommend using at least BW 7.0 EhP1.

My experience is that AO runs optimally with BW 7.3. From 7.0 EhP1 onwards, SAP has improved many aspects of stability and performance. See **SAP Note 1677627** for further details.

## RSADMIN table settings and SAP Notes

Table RSADMIN in BW is one of the most important tables in BW that influences the behavior and performance of BW objects, as well as AO.

All of the following parameters can be set up using report SAP\_RSADMIN\_MAINTAIN (SE38). I recommend that you check the following list of SAP Notes and implement the parameters in table RSADMIN. I also recommend that you revisit the SAP Support Portal at least every six months to check for new parameters. Simply type RSADMIN Analysis Office in the notes search field.

The following SAP Notes will improve your AO performance. The numbers represent the SAP Note number you should look up in the SAP Support Portal.

- ▶ SAP Note 1656983: Result set size limit exceeded
- ▶ SAP Note 1947948: Optimization for queries with characteristic restrictions
- ▶ SAP Note 1972798: Long selection time for REPOLOAD RFC cache
- ▶ SAP Note 053007: Numerous certificate pop-ups during Excel export

### Performance optimization via the RSADMIN table



Using the RSADMIN table it is possible to define a maximum number of cells (rows \* columns) by implementing the parameter `BI_CS_DA_RESULT_SET_LIMIT_MAX` (check SAP Note 1750332).

By leveraging the parameters in the RSADMIN table, you can influence the performance of AO reporting (see Section 3.2 for further information on this topic).

## 2.1.6 Queries and BW data model

With AO, there is no need to migrate queries or make changes to BW data models.

You can access any existing InfoProvider and SAP BEx queries available in standard SAP BEx directly.

# C Index

## A

Aggregation layer 107, 163  
Authorization object 24

## B

BEx 9  
BEx Query Designer 24, 104  
BICS\_PROV\_GET\_RESULT\_SET  
30  
Breaking hierarchies 72

## C

Calculated key figures 74  
Callback\_AfterRedisplay 206,  
213  
Characteristic 35  
Chart 93  
Component tab 52  
Condition 79  
Context menu for headers 133  
Conversion log 241  
Convert to formula 100  
Copying the DataProvider 162  
Corporate style 188  
Crosstab collision 96  
Crosstab format 182  
Currency conversion 90  
Currency exchange 155  
Customizing the ribbon 62

## D

DataSource 51  
Debugging authorization rights 30  
DefaultWorkbookPath 112

DefaultWorkbookPath.xml 113  
Dimension 35  
DLL 218  
Dynamic link library 218

## F

Filter 67, 97  
Filter by measure 125  
Filter icon 48  
Filtering by measure 68  
Filtering by member 70, 227  
Fit table 233  
Formula alias 53

## G

Geographic data 150  
Geographic data map 150

## H

Help 120  
Hierarchy 73

## I

Info field 94  
In-memory 150  
Insert option 131  
Inserting comments 122  
Inserting DataSources 145  
Integrated Planning 106, 163

## K

Key figure 35  
KPI 194

**L**

Locking cells 172

Locking data 171

**M**

Measure 35

Measures 88

Member 35

Member filtering 128

Members 88

Merging BW data 149

Microsoft Analysis 150

Migration 237

**N**

Named data range 158

Negative values 90

Number format 89, 134

**O**

OLE-DB 12

**P**

Pause refresh 110, 140

Percentage calculation 134

Performance 37

PFCG 24

Pivot 44

Planning 55

Planning functionality 106

Power users 15, 21

PowerPivot 149

PowerPoint template 224

Prerequisites 22

Presentation settings 235

Prompt 35

Prompts 66

Prompts for presentation 227

**R**

RCF cundling 114

Recalculate 168

Redo 65

Refresh all 64

Removing data before saving 235

Removing data before saving 57

Reporting performance 111

Report-Report Interface 21, 174

Resetting Data Sources 128

ResultSetSizeLimit 29

RRI 174

RSBBS 175

**S**

SAP Analysis API 218

SAP Note 053007 23

SAP Note 1466118 21

SAP Note 1677627 22

SAP Note 1947948 23

SAP Note 1972798 23

SAP\_RSADMIN MAINTAIN 23

SAPExecuteCommand 210

SAPGetSourceInfo 213

SAPLOGON.INI 20

SAPSetFilter 211

Scaling factor 89, 134

Service patch 19

Settings 106, 110, 115, 146

Several source systems 158

Showing technical names 109

Showing the property view 109

Single sign-on 114

Sorting 70

Source systems 158

Styles 116, 181

Swapping axes 77

**T**

Text box 193

**U**

Undo 65

Unlocking 172

User settings 111, 177

**V**

Variable 35

VBA module 207

**W**

Web Application Designer 24