

baramundi Management Suite | Guide

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Microsoft Office 365 Installation



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General

Adjacent to the MSI installer (MSI), you can also install the Office 365 in a *Click-to-Run* (C2R) procedure. This paper will help you to deploy the C2R version of Microsoft's Office 365 on your devices.

Preliminaries

To deploy Microsoft Office 365 (O365) through C2R, download all its necessary sources from the Microsoft website. Store the sources at a location the baramundi Management Suite (bMS) will have access to it.

Creating the Required Directories

We recommend to setup some productive devices (productive ring) and some test devices (test ring). To do this, create different directories for each system. Create one more directory to store *Office Deployment Tool* data. Always replace *2016* with the current version of the O365.

- 1. Create a directory {DIP}\Apl\Microsoft\Office\$\backslash\$2016\ODT2016 to store the ODT data.
- 2. Create a directory {DIP}\Apl\Microsoft\Office\$\backslash\$2016\SAC to store the data for the productive-ring.
- 3. Create a directory {DIP}\Apl\Microsoft\Office\$\backslash\$2016\SACT to store the data for the test-ring.

Office Deployment Tool (ODT)

1. Download the current *Office Deployment Tool* (ODT) from Microsoft Download Center. Save the ODT to the ODT directory.



Figure 1: Office Deployment Tool

2. Execute the downloaded file (*officedeploymenttoolxxxxx.xxxx.exe*) and extract the file into the *ODT2016* directory.

You will find the unzipped files *setup.exe* and *configuration.xml* in the *ODT2016* directory. The *configuration.xml* controls how to download and how to install the O365 packages. The version contained in the ODT is only a standard configuration file. We recommend to adjust the file.

Downloads

Use the *Configuration XML Editor* to setup the O365 sources; use a baramundi job to download the O365 sources.

Adjusting the Sources

You can adjust the *configuration.xml* manually. That is not easy. You will find the parameters on the Microsoft website. But there are tools to help you customize *configuration.xml*. One of these tools is the *Configuration XML Editor*. You can use this editor to adjust the sources of the productive ring.

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\leftrightarrow \rightarrow \heartsuit \land officedev.github.io/Office-IT-Pro-Deployment-Scripts/XmlEditor.html								□ ☆	∽≣	h e		
Office 365 ProPlus Config	guration XML Editor									?	ų	0
Version Office 355 PtoPlus (2016) Section Add Product Exclude Programs Remore Product Additional Options Updates Display Logging Properties Templates ToolS Install Toolkit	Add Product Required Fields Product (a) Office 365 ProPlus (Compared on the second	1 import	± Export	Ç Reset	🛱 Email	Comment	S Undo	C Redo	2 Download	Office Dep	Joyment T	001

Figure 2: Configuration XML Editor

- 1. Go to the web page of the Configuration XML Editor.
- 2. Import the downloaded standard configuration file (*configuration.xml*) through *Import* the button. You can also create your own configuration.
- 3. Adjust the script for the productive-ring.
 - Complete all *Required Fields* in the *Add Product* area.
 - Delete unwanted languages manually. You can also use the *Remove* button to do this.
 - In the *Channel* area, set *Semi-Annual Channel* (*SAC*) = "*Broad*" for the production ring. This is usually the channel recommended for productive use.
 - Select the channel Semi-Annual Channel (Targeted) = "Targeted" for the test ring.

SAC (Semi-Annual Channel); updates all six months in January and July.

SACT (*Semi-Annual Channel (Targeted)*); updates all six months in March and September.

You will find more information at Microsoft's website.

- In the Additional Options area, enter the Source Path, namely: {DIP}\Apl\Microsoft\Office\2016\SAC. If you download the sources on the baramundi server, you can also use the full path: D:\DIP\Apl\Microsoft\Office\2016\SAC.
- In the *Updates* section, enter the path for the update source. This is usually the storage path for the sources: {DIP}\Apl\Microsoft\Office\2016\SAC
- In the section *Display* you can configure the *Display Level* and *Accept EULA* for more automation ({Display Level}"None" AcceptEULA="TRUE").
- In the *Loggin* area, turn the *Logging Level* on or off. If enabled: Give a path to save this data.

There are many more positions you can adjust for your O365 sources.

- 4. Save all your adjustments.
- 5. Click Export to save downloadSAC.xml to {DIP}\Apl\Microsoft\Office\2016\ODT2016.

This could be a basic source script:

		
1	<configuration></configuration>	
2	<add <="" allowcdnfallback="TRUE" td=""><td></td></add>	
3	SourcePath="{DIP}\Apl\Microsoft\Office\2016\SAC"	
4	Channel="Broad" OfficeClientEdition="32">	
5	<product id="0365ProPlusRetail"> <!--- erworbene Version ---></product>	
6	<language id="de-de"></language>	
7	<language id="en-us"></language>	
8		
9		
10	<updates channel="Monthly" enabled="TRUE" updatepath="{DIP}\Apl\Microsoft\Office\2016\SAC"></updates>	
11	<logging level="Standard" path="{DIP}\Apl\Microsoft\Office\2016\SAC\Log"></logging>	
12		

For the test ring, continue as follows:

- 1. Click Import to load the script (downloadSAC.xml) into the Configuration XML Editor.
- 2. In the Add Product area, select Semi-Annual Channel (Targeted) = "Targeted".
- 3. In Additional Options, change the SourcePath and DownloadPath to {DIP}\Apl\Microsoft\Office\2016\SACT folder.
- 4. Save your adjustments.
- 5. Click *Export*. Give the script a name: *downloadSACT.xml*. Save it into the {DIP}\Apl\Microsoft\Office\2016\0DT2016 folder.

Download the Installation Sources

Continue in the bMS: Create two applications to download the O₃₆₅ sources. These applications contains the configurations for the productive and for the test ring.

- 1. Open the view *Software* in the bMC.
- 2. Start the Application Wizard through New—Application.
- 3. Select Use baramundi Application Wizard.
- Enter the path to setup.exe in the ODT folder: {DIP}\Apl\Microsoft\Office\2016\0DT2016\setup.exe (see Fig.3a).
- 5. At Which method do you want to use for automation, select Direct enter command line (Fig.3b).
- 6. For your productive system, give the path to downloadSAC.xml, that is: {DIP}\Apl\Microsoft\Office\2016\0DT2016\setup.exe /download {DIP}\Apl\Microsoft\Office\2016\SAC\downloadSAC.xml (Fig.4a).

19	baramundi Application Wizard	🦻 baramundi Application Wizard 🗙
	This wizard will guide you while automating an application. Select the application you want to automate and follow the instructions.	Automation method Select a method to automated the specified setup
]\ApI\Microsoft\Office\2016\0DT2016\setup.exe >	Setup type could not be detected. The setup can be automated using a direct command line, baramundi Deploy Script (GUI scripting) or Snapshot (Differential approach). The wizard will guid you with any of these methods.
ð	File information Type Vendor	Which method do you want to use for automation?
	Name Version Comment	Directly enter command line v
	< Back Next > Cancel	< <u>B</u> ack <u>N</u> ext > Cancel

a) Select Application

b) Automation Method



()	baramundi Application Wizard	x	•	baramundi Application Wizard	x
Comm Th	and line is command line will be used. Modify it if required.		Descripti Select	on t a name for the application object or accept the proposed values.	
{DIP}\Ap	Nicrosoft\Office\2016\ODT2016\setup.exe /download {DIP}\ApI\Microsoft\	Office	<u>V</u> endor	Microsoft	
201013			Name	Office 365 Download	
			Version		
Here yo baramu	u can enter any command line. The command will be executed by the Indi Management Agent when the software is deployed.	•	Comment		
lt's imp	ortant that the command line triggers a fully automated execution.				
You ma	y also use baramundi variables.				
	< <u>B</u> ack <u>N</u> ext >	Cancel		< <u>B</u> ack Finish	Cancel

a) Command Line

b) Description

Figure 4: Create Download Application 2

- 7. Give your application a name (Fig.4b).
- 8. Click Finish.

The next adjustments you do in the properties of your application:

- 1. Choose *Edit* in the shortcut menu.
- 2. Select the *Security* tab (Fig.6a).
- 3. Select LocalSystem service at Security context.

To download the O365 sources with the bMS, you will use a job.

	New job	x	Create/Edit job step
	New job The job wizard will guide you through the creation of a job to distribute software or make an inventory. Name [0365downloadSAC] gob type Active ✓ Validity Unrestricted Image: Comparison of the provided settings but of the provided settings but of the provided settings but of the provided settings	×	Create/Edit job step ▼ This wizard guides you while adding an action to a job. Please select the action to a dd. Select the action to a dd. Image: Select the action to a glob. Please select the action to a dd. Image: Select the action to a dd. Image: Select the action to a glob. Please select the action to a glob. Please select the action to a dd. Image: Select the action to a glob. Please select the action t
M. C. Mark	<back next=""> Cancel</back>]	<pre> Cancel C</pre>

a) New Job

b) Job Step

Figure 5: Create Download Job

- 1. In the *Jobs* area select *New—Jobs for Windows device* and give your job a name, e.g. 0365downloadSAC (Fig.5a).
- 2. Choose the Install software job step (Fig. 5b).
- 3. Select the app you made before.
- 4. Click Finish.

Open the job properties (Edit in the shortcut menu).

- 1. In the *General* tab, set the job interval (Fig.6b).
- 2. Click OK to close the dialog.
- 3. Click Assign in the taskbar to run the job to a device (ideally to the baramundi server).

Dependencies	Consistency	checks	Configurabl	e parameters		Properties	01 0365000	vnioadSAC	
License control	Files	AUT	Variables	Rights	Automatic ass	ianment	Conditions	Variables	Rights
General	Installation	Unins	stallation	Security	General	Steps	User inte	eraction	Extended
ecurity context	LocalSystem	m (service)		~	Name	0365do	wnloadSAC		
Credentials					Job type	Active			
<u>D</u> omain					Validity	Unrestri	cted		
User name					Interval	every da	ay at 2:29 AM		
Password					Priority	500			* *
ctivated UAC. the executing pr ppear and can no ne installation will	ocess requests ac ot be confirmed by fail.	dministrative y the baram	e rights, an UAC undi Managem	prompt will ent Agent. So	Enable bara Support dev	imundi Backgro rices in Interne	ound Transfer t mode		
					<u>C</u> omment				~
	(ОК	Cancel	Apply		[OK	Cancel	Apply

Figure 6: Properties

The job will download the O₃₆₅ sources (approximately 2 GB). After execution of the job, you will find a number of cab, dat and log files in the SAC folder (productive system). Run an equivalent job for the test system (SACT).

Configuration

To adjust not only the sources but also the O₃₆₅ installation, the Office Customization Tool is available. Add some entries to your script to extend the *download.xml* to a *install.xml*:

🖶 🕫 🖸 Office Customization To X + V		- 🗆 ×
\leftrightarrow \rightarrow \circlearrowright \textcircled{a} config.office.com/soft	wareAndLanguage	□☆ ∉ ℓ ピ …
Microsoft 365		© ©
\equiv Office Customization Tool (Preview)	Software and language settings	Configured settings
Home	General	
 Deployment settings Software and language settings 	Organization name Add	
Installation and update settings	Version 🔿 32-bit	
Licensing and activation	64-bit	
Preferences	Software	
	Select a suite or product V Add	
	Select the applications you wish to include or exclude in the configuration	
	Access Image: Construction of the state of	
	Outlook Off PowerPoint Off Publisher Off Word Off	
	Select the products you wish to include in the configuration	
	Languages	
	Select primary language	
	Select language	
	Select language(s) Add	
K	Au	, · · · · · · · · · · · · · · · · · · ·

Figure 7: Office Customization Tool

- 1. Open the Office Customization Tool in your Internet browser.
- 2. Click *Import* to load the *downloadSAC.xml* into the tool.
- 3. Adjust the Office 365:

Deployment Settings Here, you can add information to install and deploy O365, for example: Enter in Source Path the path to the offline O365 sources of the productive ring (SAC). At Updates, enter the local update source if you use Updates Enabled=True. At Upgrades you can automatically remove former MSI sources before you install C2R-O365. You can use the check boxes in Software to not include office components from install. There are many other adjustments you can do ...

Application Settings In *Preferences* you can make general adjustments. You also can adjust special functions of the O365 components. For example, you can disable the Home screen of *Word*. There are many other adjustments you can do ...

- 4. Click *Export* after you adjusted your O365 system. This will write your XML script.
- 5. Accept the licensing; export and save the script as installSAC.xml in the ODT folder.

Configuration | 9

		ין
1	<configuration></configuration>	
2	<add <="" allowcdnfallback="TRUE" td=""><td></td></add>	
3	SourcePath="{DIP}\Apl\Microsoft\Office\2016\SAC"	
4	Channel="Broad" OfficeClientEdition="32">	
5	<product id="0365ProPlusRetail"></product>	
6	<language id="de-de"></language>	
7	<language id="en-us"></language>	
8	<language id="MatchPreviousMSI"></language>	
9	<excludeapp id="Access"></excludeapp>	
10	<excludeapp id="Groove"></excludeapp>	
11	<excludeapp id="Lync"></excludeapp>	
12	<excludeapp id="OneDrive"></excludeapp>	
13	<excludeapp id="Publisher"></excludeapp>	
14		
15		
16	<pre></pre> (Updates Enabled="FALSE" UpdatePath="{DIP}\Apl\Microsoft\Office\2016\SAC" />	
17	<pre><removemsi all="TRUE"></removemsi></pre>	
18	<appsettings></appsettings>	
19	<pre><setup name="Company" value="baramundi software AG"></setup></pre>	
20	<pre><user <="" key="software\microsoft\office\16.0\common\internet" name="useonlinecontent" pre=""></user></pre>	
21	Value="1" Type="REG DWORD" App="office16" Id="L Onlinecontentoptions" />	
22	<pre><user <="" key="software\microsoft\office\16.0\common\ptwatson" name="ptwoptin" pre="" value="2"></user></pre>	
23	Type="REG_DWORD" App="office16" Id="L_ImproveProofingTools" />	
24	<pre><user <="" key="software\microsoft\office\16.0\common\general" name="shownfirstrunoptin" pre=""></user></pre>	
25	Value="1" Type="REG DWORD" App="office16" Id="L DisableOptinWizard" />	
26	<pre><user <="" key="software\microsoft\office\16.0\common" name="qmenable" pre="" value="2"></user></pre>	
27	Type="REG_DWORD" App="office16" Id="L_EnableCustomerExperienceImprovementProgram" />	
28	<pre><user <="" key="software\microsoft\office\16.0\common" name="updatereliabilitydata" pre="" value="2"></user></pre>	
29	Type="REG_DWORD" App="office16" Id="L_UpdateReliabilityPolicy" />	
30	<pre><user <="" key="software\microsoft\office\16.0\wef\trustedcatalogs" name="disableomexcatalogs" pre=""></user></pre>	
31	Value="1" Type="REG_DWORD" App="office16" Id="L_DisableOfficeStore" />	
32	<user <="" key="software\microsoft\office\16.0\firstrun" name="disablemovie" td="" value="1"><td></td></user>	
33	Type="REG_DWORD" App="office16" Id="L_DisableMovie" />	
34	<pre><user <="" key="software\microsoft\office\16.0\excel\options" name="defaultformat" pre="" value="52"></user></pre>	
35	Type="REG_DWORD" App="excel16" Id="L_SaveExcelfilesas" />	
36	<pre><user <="" key="software\microsoft\office\16.0\excel\options" name="autorecoverenabled" pre=""></user></pre>	
37	Value="1" Type="REG_DWORD" App="excel16" Id="L_SaveAutoRecoverinfo" />	
38	<pre><user <="" key="software\microsoft\office\16.0\excel\options" name="autorecovertime" pre=""></user></pre>	
39	Value="120" Type="REG_DWORD" App="excel16" Id="L_AutoRecovertime" />	
40	<pre><user <="" key="software\microsoft\office\16.0\excel\security" pre=""></user></pre>	
41	Name="blockcontentexecutionfrominternet" Value="1" Type="REG_DWORD" App="excel16"	
42	<pre>Id="L_BlockMacroExecutionFromInternet" /></pre>	
43	<pre><user <="" key="software\microsoft\office\16.0\excel\options" name="disableboottoofficestart" pre=""></user></pre>	
44	<pre>Value="1" Type="REG_DWORD" App="excel16" Id="L_DisableOfficeStartExcel" /></pre>	
45	<pre><user <="" key="software\microsoft\office\16.0\outlook\options\calendar" name="disableweather" pre=""></user></pre>	
46	Value="1" Type="REG_DWORD" App="outlk16" Id="L_DisableWeather" />	

47	<pre><user <="" key="software\microsoft\office\16.0\outlook\options\webext" pre=""></user></pre>
48	Name="storebuttoninribbonhometaballowed" Value="1" Type="REG_DWORD" App="outlk16"
49	Id="L_HideAppsStoreButtonInHomeTabRibbon" />
50	<user <="" key="software\microsoft\office\outlook\socialconnector" name="runosc" td="" value="1"></user>
51	Type="REG_DWORD" App="outlk16" Id="L_TurnOffOutlookSocialConnector" />
52	<user <="" key="software\microsoft\office\outlook\socialconnector" name="unmanagedinfobars" td=""></user>
53	Value="1" Type="REG_DWORD" App="outlk16" Id="L_DoNotShowSocialNetworkInfoBars" />
54	<user <="" key="software\microsoft\office\outlook\socialconnector" td=""></user>
55	Name="disablecontactdownload" Value="1" Type="REG_DWORD" App="outlk16"
56	<pre>Id="L_BlockSocialNetworkContactSynchronization" /></pre>
57	<user <="" key="software\microsoft\office\16.0\powerpoint\options" name="defaultformat" td=""></user>
58	Value="28" Type="REG_DWORD" App="ppt16" Id="L_SavePowerPointfilesas" />
59	<user <="" key="software\microsoft\office\16.0\powerpoint\security" td=""></user>
60	Name="blockcontentexecutionfrominternet" Value="1" Type="REG_DWORD" App="ppt16"
61	<pre>Id="L_BlockMacroExecutionFromInternet" /></pre>
62	<user <="" key="software\microsoft\office\16.0\powerpoint\options" td=""></user>
63	Name="disableboottoofficestart" Value="1" Type="REG_DWORD" App="ppt16"
64	<pre>Id="L_DisableOfficeStartPowerPoint" /></pre>
65	<pre><user <="" key="software\microsoft\office\16.0\word\options" name="autosaveinterval" pre="" value="82"></user></pre>
66	Type="REG_DWORD" App="word16" Id="L_SaveAutoRecoverinfo" />
67	<user <="" key="software\microsoft\office\16.0\word\options" name="defaultformat" td="" value="1"></user>
68	Type="REG_DWORD" App="word16" Id="L_SaveWordfilesas" />
69	<user <="" key="software\microsoft\office\16.0\word\options" name="backgroundsave" td="" value="1"></user>
70	Type="REG_DWORD" App="word16" Id="L_Allowbackgroundsaves" />
71	<user <="" key="software\microsoft\office\16.0\word\security" td=""></user>
72	Name="blockcontentexecutionfrominternet" Value="1" Type="REG_DWORD" App="word16"
73	<pre>Id="L_BlockMacroExecutionFromInternet" /></pre>
74	<user <="" key="software\policies\microsoft\office\16.0\word\security" name="vbawarnings" td=""></user>
75	Value="3" Type="REG_DWORD" App="word16" Id="L_VBAWarningsPolicy" />
76	<user <="" key="software\microsoft\office\16.0\word\options" name="disableboottoofficestart" td=""></user>
77	Value="1" Type="REG_DWORD" App="word16" Id="L_DisableOfficeStartWord" />
78	
79	<display accepteula="TRUE" level="None"></display>
80	

This could be the install script for the production ring. Use the same procedure for the test ring with the following differences:

- 1. Click *Import* to load the *downloadSACT.xml* into the *Office Customization Tool*.
- 2. Make your adjustments.
- 3. *Export* and *Save* the script as *installSACT.xml* in the *ODT* folder.

You only must change the channel and the storage paths of the sources here. Open and change the script in an editor will possibly be faster than use the *Office Customization Tool*.

Installation

It will again be necessary to have an «application» and a «job» to install the O365 in the bMC:

- 1. Open the Software view in the bMC.
- 2. Click New—Application to start the Application Wizard.
- 3. Select Use baramundi Application Wizard.
- 4. Enter the path to the *setup.exe* to the ODT folder as the *application you want to automate*, here: {DIP}\Apl\Microsoft\Office\2016\0DT2016\setup.exe.
- 5. In Automation method, select Directly enter command line.
- 6. Give your application a name (name/manufacturer), e.g. Office365SAC.
- 7. Click Finish.

You must adjust the properties of the application before you can run the job:

- 1. Choose *Open/Edit* in the action bar or *Edit* in the shortcut menu.
- 2. In the *Installation* tab, enter /configure"{ResposeFile}" in the *Arguments* field (replaces the DIP variable in the *installSAC.xml*).
- 3. In the *Response File* field, enter the path to the install file for the productive ring: {DIP}\Apl\Microsoft\Office\2016\SAC\installSAC.xml.
- 4. Go to the Security tab and select LocalSystem (Service) as the Security context.

You use the same procedure for the test ring (SACT). Give your application a different name, e.g. Office365SACT. The *Response File* here is *installSACT.xml*.

Deployment

Again you must create a job, this time to install the O₃₆₅:

- 1. Choose in the *Jobs* view *New—Job for Windows device* and give the job a name, e.g. 0365installSAC.
- 2. Choose the Install software job step.
- 3. Select your application (Office365SAC).
- 4. Click Finish.
- 5. Assign the job to a device.
- 6. Run the job.

You use the same procedure for the test ring (SACT).

In contrast to MSI Office versions, Office 365 cannot get updates online through WSUS or Windows. O365 updates will always be part of a new installation source. There are three procedures to keep the O365 components updated:

- 1. Devices receive updates through Microsoft's CDN. You must have Internet access to do this. (Not recommended)
- 2. Devices receive updates from your offline repository specified in the configuration file: <Updates Enabled="FALSE" updatePath="{DIP}\Apl\Microsoft\Office\2016\SAC"/>. To do this, you must set Updates Enabled "TRUE".
- 3. Use the O365 install job also to update your system. To do this, you only must start the job again (or configure through an interval): <Updates Enabled="FALSE" updatePath="{DIP}\Apl\Microsoft\Office\2016\SAC" />

For 1. and 2. the O365 installer creates tasks on devices to control updates. You can also control the configuration through GPOs.

Links

To learn more about the topic, here we have some links for you:

- Informationen to Office 365 Client Management
- Configuration options for the Office Deployment Tool
- An Overview of update channels for Office 365 ProPlus
- How to Manage Office 365 ProPlus with Configuration Manager
- Release information for updates to Office 365 ProPlus
- The Deployment Guide for Office 365 ProPlus
- The Office Customization Tool
- The Configuration XML Editor