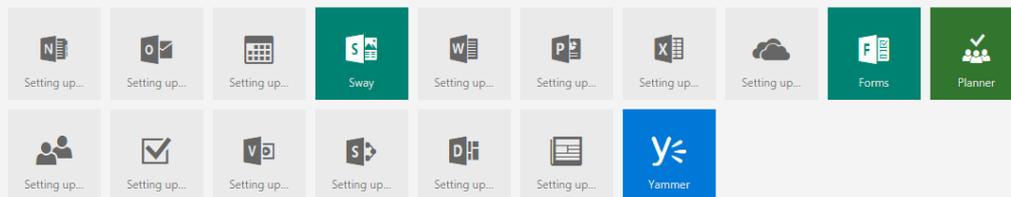




baramundi Management Suite | Guide

Microsoft Office 365 Installation

Use the online apps



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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}\Ap1\Microsoft\Office\$\backslash\$2016\ODT2016 to store the ODT data.
2. Create a directory {DIP}\Ap1\Microsoft\Office\$\backslash\$2016\SAC to store the data for the productive-ring.
3. Create a directory {DIP}\Ap1\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.

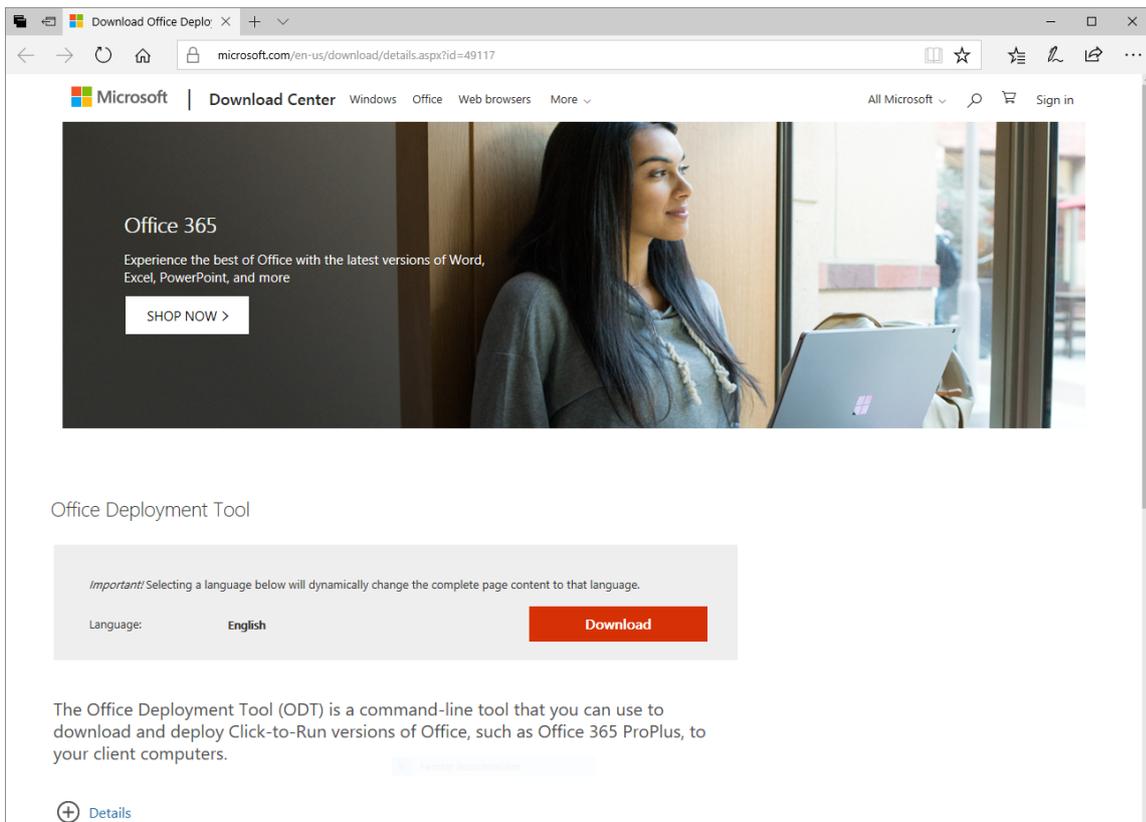


Figure 1: Office Deployment Tool

- Execute the downloaded file (*officedeploymenttoolxxxxx.xxxxx.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.

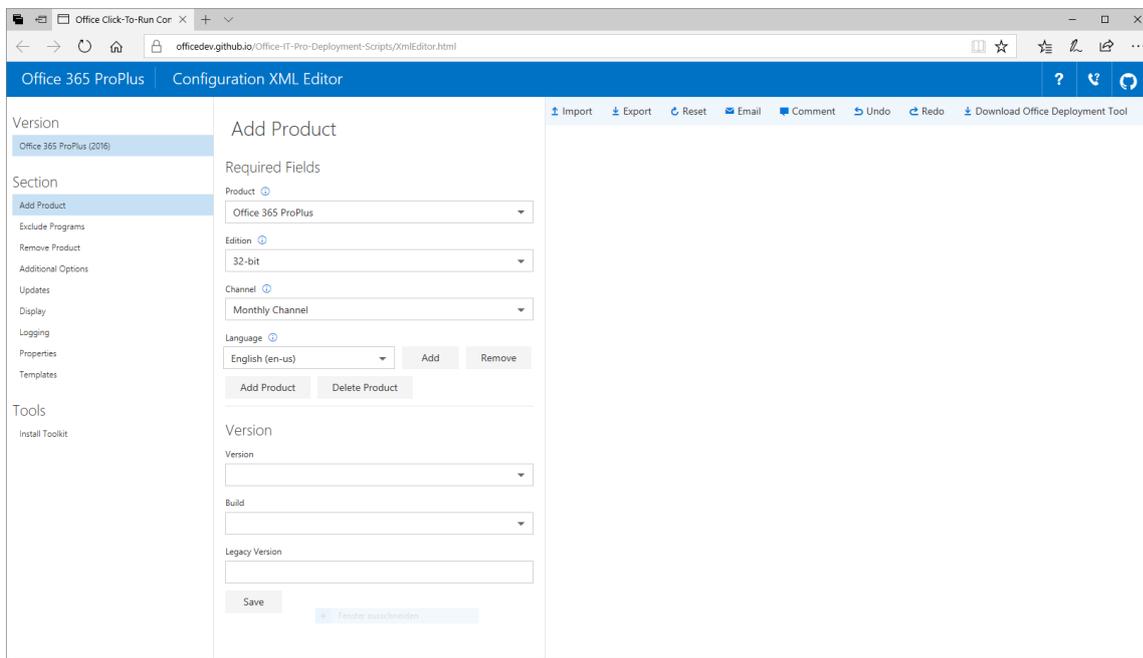


Figure 2: Configuration XML Editor

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}\Ap1\Microsoft\Office\2016\SAC. If you download the sources on the baramundi server, you can also use the full path: D:\DIP\Ap1\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}\Ap1\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}\Ap1\Microsoft\Office\2016\ODT2016.

This could be a basic source script:



```
1 <Configuration>
2   <Add AllowCDNFallback="TRUE"
3     SourcePath="{DIP}\Ap1\Microsoft\Office\2016\SAC"
4     Channel="Broad" OfficeClientEdition="32">
5     <Product ID="0365ProPlusRetail"> <!-- erworbene Version -->
6       <Language ID="de-de"/>
7       <Language ID="en-us"/>
8     </Product>
9   </Add>
10 <Updates Enabled="TRUE" Channel="Monthly" UpdatePath="{DIP}\Ap1\Microsoft\Office\2016\SAC"/>
11 <Logging Level="Standard" Path="{DIP}\Ap1\Microsoft\Office\2016\SAC\Log"/>
12 </Configuration>
```

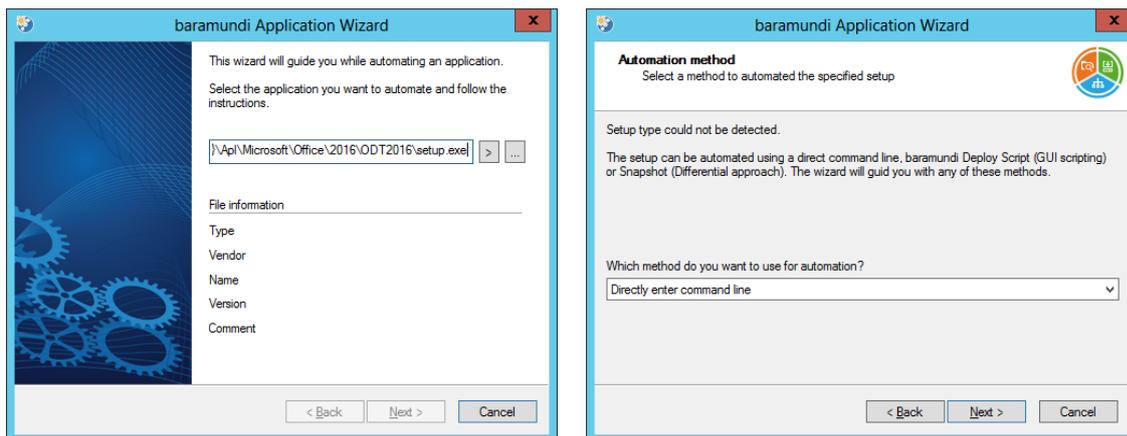
For the test ring, continue as follows:

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}\Ap1\Microsoft\Office\2016\SACT folder.
4. Save your adjustments.
5. Click *Export*. Give the script a name: *downloadSACT.xml*. Save it into the {DIP}\Ap1\Microsoft\Office\2016\ODT2016 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.

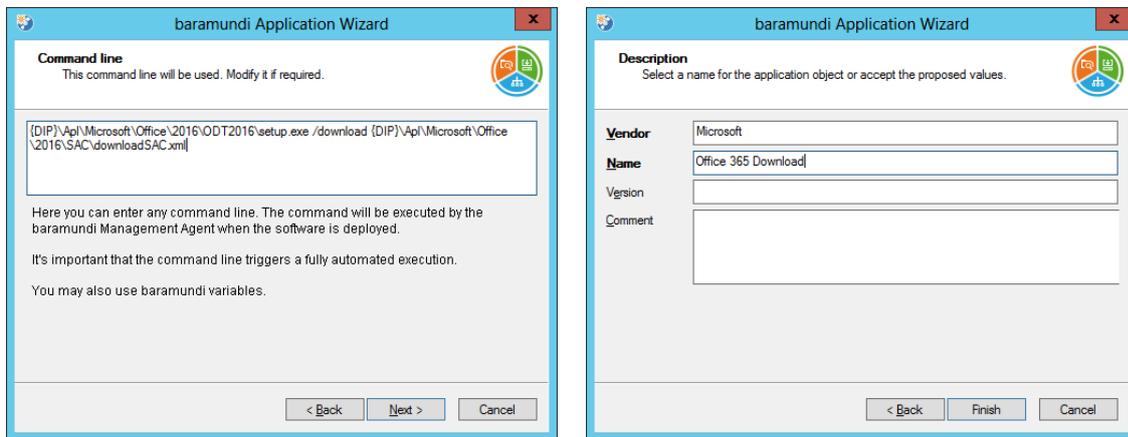
1. Open the view *Software* in the bMC.
2. Start the *Application Wizard* through *New—Application*.
3. Select *Use baramundi Application Wizard*.
4. Enter the path to *setup.exe* in the ODT folder: {DIP}\Ap1\Microsoft\Office\2016\ODT2016\setup.exe (see [Fig.3a](#)).
5. At *Which method do you want to use for automation*, select *Direct enter command line* ([Fig.3b](#)).
6. For your productive system, give the path to *downloadSAC.xml*, that is: {DIP}\Ap1\Microsoft\Office\2016\ODT2016\setup.exe /download {DIP}\Ap1\Microsoft\Office\2016\SAC\downloadSAC.xml ([Fig.4a](#)).



a) Select Application

b) Automation Method

Figure 3: Create Download Application



a) Command Line

b) Description

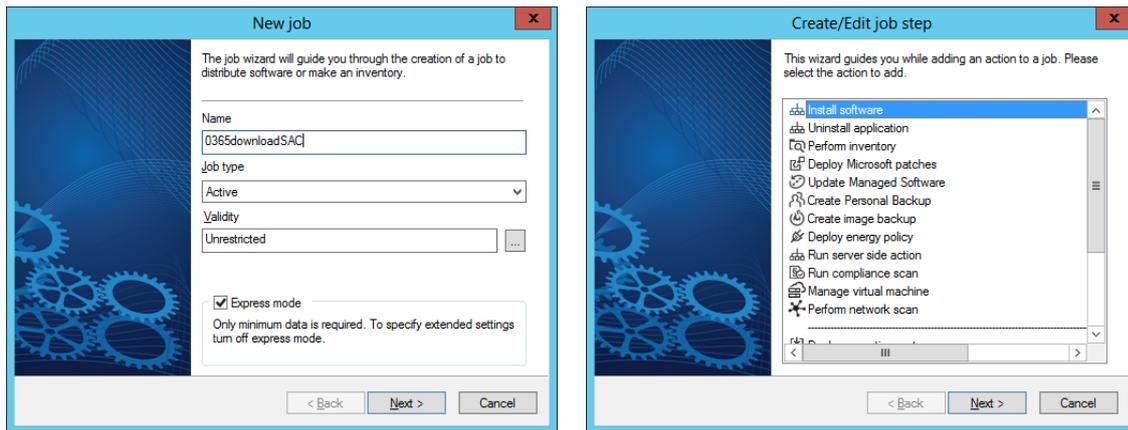
Figure 4: Create Download Application 2

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.



a) New Job

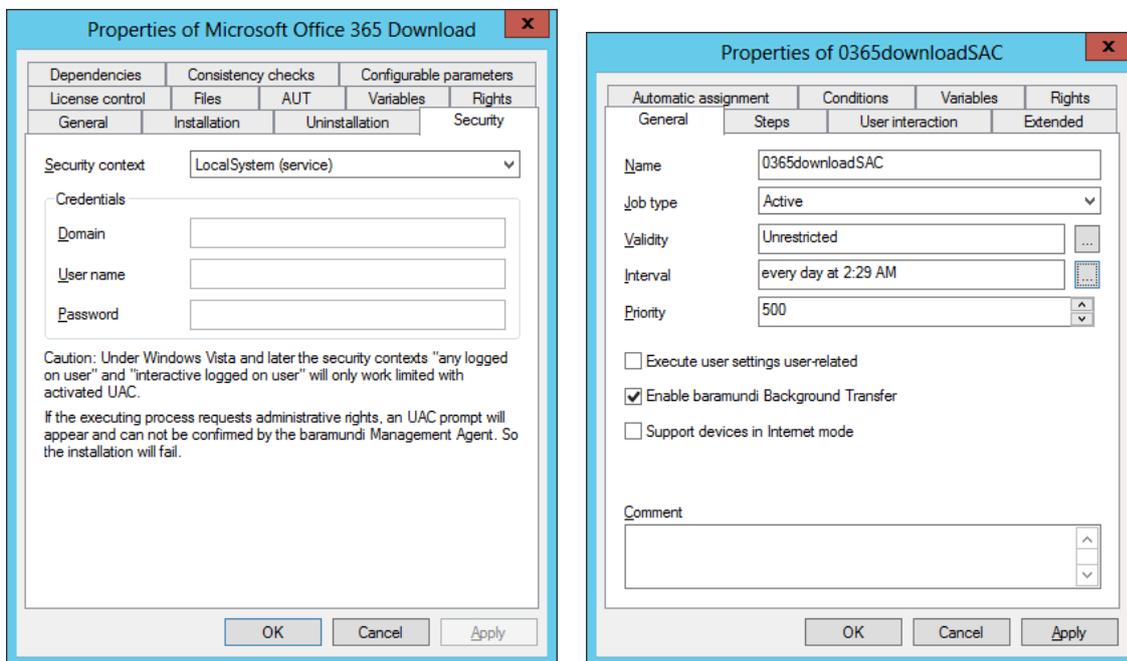
b) Job Step

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).



a) Application

b) Job

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*:

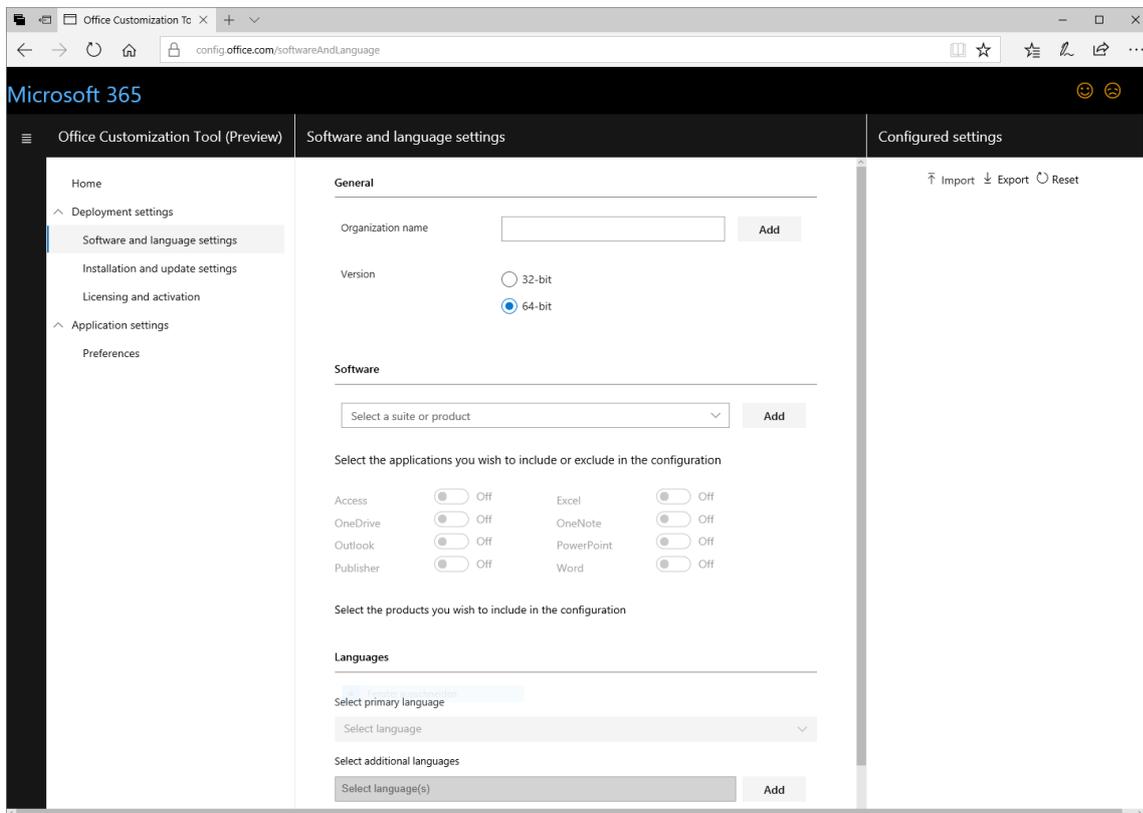


Figure 7: Office Customization Tool

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.



```
1 <Configuration>
2   <Add AllowCDNFallback="TRUE"
3     SourcePath="{DIP}\Apl\Microsoft\Office\2016\SAC"
4     Channel="Broad" OfficeClientEdition="32">
5     <Product ID="0365ProPlusRetail">
6       <Language ID="de-de"/>
7       <Language ID="en-us"/>
8       <Language ID="MatchPreviousMSI"/>
9       <ExcludeApp ID="Access"/>
10      <ExcludeApp ID="Groove"/>
11      <ExcludeApp ID="Lync"/>
12      <ExcludeApp ID="OneDrive"/>
13      <ExcludeApp ID="Publisher"/>
14    </Product>
15  </Add>
16  <Updates Enabled="FALSE" UpdatePath="{DIP}\Apl\Microsoft\Office\2016\SAC" />
17  <RemoveMSI All="TRUE" />
18  <AppSettings>
19    <Setup Name="Company" Value="baramundi software AG" />
20    <User Key="software\microsoft\office\16.0\common\internet" Name="useonlinecontent"
21  Value="1" Type="REG_DWORD" App="office16" Id="L_Onlinecontentoptions" />
22    <User Key="software\microsoft\office\16.0\common\ptwatson" Name="ptwoptin" Value="2"
23  Type="REG_DWORD" App="office16" Id="L_ImproveProofingTools" />
24    <User Key="software\microsoft\office\16.0\common\general" Name="shownfirstrunoptin"
25  Value="1" Type="REG_DWORD" App="office16" Id="L_DisableOptinWizard" />
26    <User Key="software\microsoft\office\16.0\common" Name="qmenable" Value="2"
27  Type="REG_DWORD" App="office16" Id="L_EnableCustomerExperienceImprovementProgram" />
28    <User Key="software\microsoft\office\16.0\common" Name="updatereliabilitydata" Value="2"
29  Type="REG_DWORD" App="office16" Id="L_UpdateReliabilityPolicy" />
30    <User Key="software\microsoft\office\16.0\wef\trustedcatalogs" Name="disableomxcatalogs"
31  Value="1" Type="REG_DWORD" App="office16" Id="L_DisableOfficeStore" />
32    <User Key="software\microsoft\office\16.0\firstrun" Name="disablemovie" Value="1"
33  Type="REG_DWORD" App="office16" Id="L_DisableMovie" />
34    <User Key="software\microsoft\office\16.0\excel\options" Name="defaultformat" Value="52"
35  Type="REG_DWORD" App="excel16" Id="L_SaveExcelfilesas" />
36    <User Key="software\microsoft\office\16.0\excel\options" Name="autorecoverenabled"
37  Value="1" Type="REG_DWORD" App="excel16" Id="L_SaveAutoRecoverinfo" />
38    <User Key="software\microsoft\office\16.0\excel\options" Name="autorecovertime"
39  Value="120" Type="REG_DWORD" App="excel16" Id="L_AutoRecovertime" />
40    <User Key="software\microsoft\office\16.0\excel\security"
41  Name="blockcontentexecutionfrominternet" Value="1" Type="REG_DWORD" App="excel16"
42  Id="L_BlockMacroExecutionFromInternet" />
43    <User Key="software\microsoft\office\16.0\excel\options" Name="disableboottoofficestart"
44  Value="1" Type="REG_DWORD" App="excel16" Id="L_DisableOfficeStartExcel" />
45    <User Key="software\microsoft\office\16.0\outlook\options\calendar" Name="disableweather"
46  Value="1" Type="REG_DWORD" App="outlk16" Id="L_DisableWeather" />
```

```

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

```

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}\Ap1\Microsoft\Office\2016\ODT2016\setup.exe.
5. In *Automation method*, select *Directly enter command line*.
6. Give your application a name (name/manufacture), 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}\Ap1\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. O365installSAC.
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).

Update

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}\Ap1\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}\Ap1\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](#)