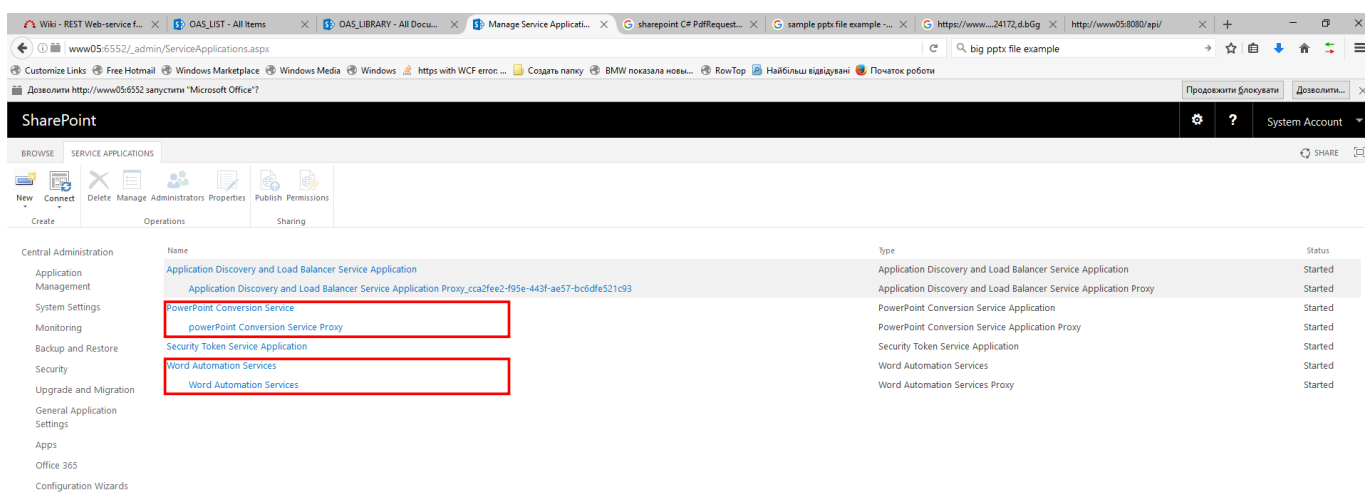


OAS Web-Service Installation Manual

1. Sharepoint Server configuration

OAS Web-Service use Word and PowerPoint Automation Services, so it is necessary first make sure they installed. To make this login to the Sharepoint Central Administration under admin account and then open “Manage Service Applications” page using: Application Management -> Manage Service Applications link. On this screen you need to see references to the running instances or Word Services and PowerPoint Services:



In case PowerPoint Conversion Service missed, it is necessary to install it. For this on the Sharepoint Server farm on Start screen, click "SharePoint Management Shell" and type there following commands:

```
$sa = New-SPPowerPointConversionServiceApplication -Name "PowerPoint Conversion Service" -  
ApplicationPool "Sharepoint Web Services System"
```

```
New-SPPowerPointConversionServiceApplicationProxy "PowerPoint Conversion Service Proxy" -  
ServiceApplication $sa -AddToDefaultGroup
```

You should see added service:

```
Administrator: SharePoint 2016 Management Shell
PS C:\Users\arkadiy.kostanyan> $sa = New-SPPowerPointConversionServiceApplication -Name "PowerPoint Conversion Service"
-ApplicationPool "Sharepoint Web Services System"
PS C:\Users\arkadiy.kostanyan> New-SPPowerPointConversionServiceApplicationProxy "powerPoint Conversion Service Proxy" -ServiceApplication $sa -AddToDefaultGroup

DisplayName      TypeName      Id
-----
powerPoint Conver... PowerPoint Conver... d7933cc1-023f-4e0f-9c4e-d7cbdf338ac5

PS C:\Users\arkadiy.kostanyan>
```

In case of Word Services is missed, it is necessary to create new:

<http://www.sharepointdiary.com/2015/11/create-word-automation-service-application-using-powershell.html>

Please note Word Services name, as it is used in Web-Service configuration.

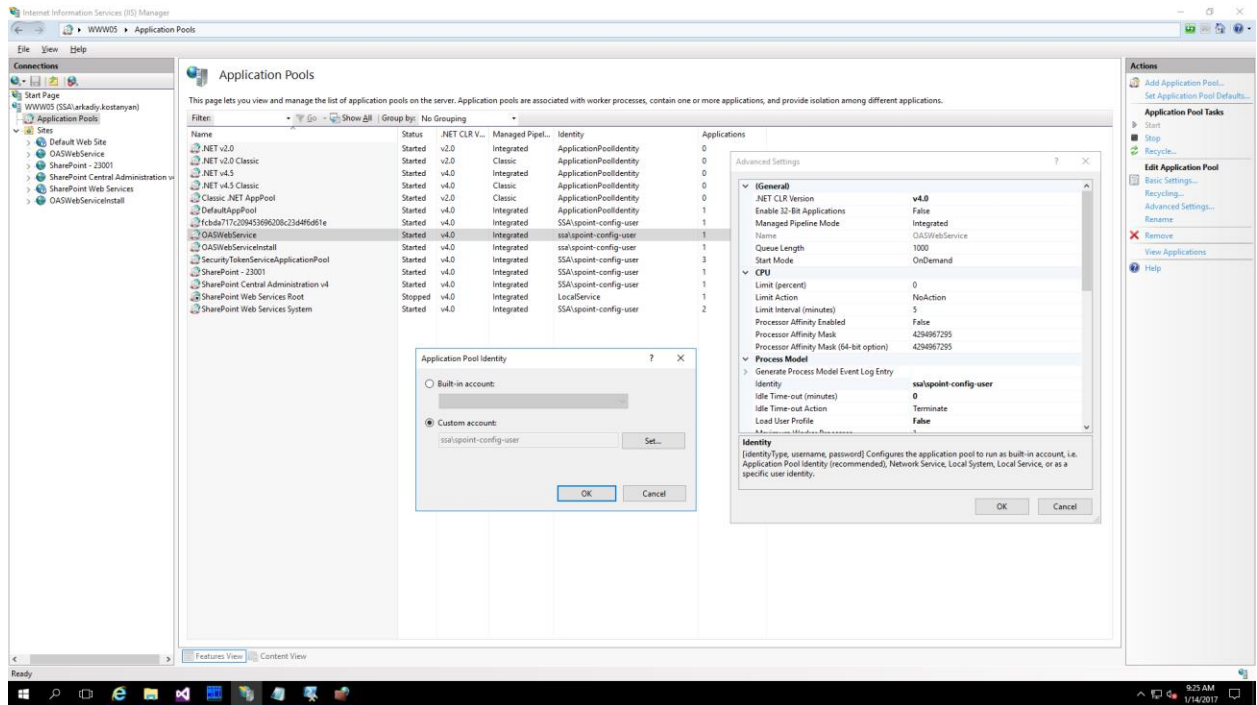
For Web-Service it is necessary to use one of the existing Sharepoint web-sites, so it is necessary to create new or select one of the existing web-sites to use. Note it URL for next steps.

2. Web-Service installation and configuration

Web-Service require .NET 4.5.2 to be installed on the Sharepoint Server.

To install Web-Service it is necessary:

1. Create new web-site on the SharePoint Server IIS.
Application Pool should work in "Integrated Mode", .net v4.0. Also necessary to configure in advanced settings of the Application Pool user identity to run it. This user should have access to the configured for usage Sharepoint web-site.



2. Unpack provided install.zip folder to the new IIS web-site root folder.

To configure web-service it is necessary to open and edit web.config file from the root folder of the IIS web-site. It has following parameters to be set:

```
<appSettings>
  <add key="SiteUrl" value="http://www05:23001/" />
  <add key="WASName" value="Word Automation Services" />
  <add key="OAS_LIST" value="OAS_LIST" />
  <add key="OAS_LIBRARY" value="OAS_LIBRARY" />
  <add key="TimeLimit" value="1" />
</appSettings>
```

SiteUrl – URL of the Sharepoint web-site to be used by the web-service.

WASName – name of the existing Word Automation Services configured in section 1.

OAS_LIST – name of the Sharepoint list, where information about conversion jobs will be stored. This list will be hidden and will be created during first conversion job run.

OAS_LIBRARY – name of the Sharepoint library, where conversion jobs files will be stored. This library will be hidden and will be created during first conversion job run.

TimeLimit – integer, indicated period in hours to keep conversion jobs information.

Additionally it is possible to change max file size, allowed to be submitted to the web-service for conversion. For this, it is necessary to change maxRequestLength and maxAllowedContentLength parameters:

```
<httpRuntime targetFramework="4.5" maxRequestLength="102400" executionTimeout="3600" />  
<requestLimits maxAllowedContentLength="10485760" />
```

maxRequestLength parameter expressed in Kb, maxAllowedContentLength in bytes. Default max file size is set to 10Mb.

Created and configured web-site necessary to add to the Firewall Inbound Rules to allow connection to it for specified IP port.

3. Test Web-Service using console client

To use console client to check web-service unpack provided client.zip to some folder and run oasclient.exe from there with the following parameters:

```
oasclient.exe <full path to the file to convert> <URL of the web-service site> <domain> <username>  
<password>
```

Example:

```
oasclient.exe D:\oasweb service\test.pptx http://www05:8080/ SSA sharepointuser password
```

Accepted file extensions are .pptx and .docx. As the result, file with the same name and .pdf extension will be created in the source file folder.

Domain, username and password parameters can be omitted. In this case web-site AppPool user credentials will be used to access Sharepoint web-site.