Compiling

ONLYOFFICE Online Editors

for a Local Server

About ONLYOFFICE

ONLYOFFICE is a cloud business service that enables you to manage projects, customer relations and documents in one place. In other words, you don't need to switch back and forth between multiple applications to perform different tasks. Here you obtain a single multi-featured system to organize every step of your work improving your productivity and optimizing efforts for success.

ONLYOFFICE - a project originally developed by experienced Russian and Latvian IT experts for internal team collaboration. An attempt to introduce it to a wider audience proved to be successful: ONLYOFFICE received very positive feedback from the Internet community. As a result, its functionality was considerably revised and expanded that brought about a high and stable growth of users from different countries.

Today more than 10,000 customers all over the world manage projects, documents and customer relations with ONLYOFFICE available in 20 languages.

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About ONLYOFFICE Online Editors

ONLYOFFICE Online Editors is a service allowing you to view and edit documents in various formats. ONLYOFFICE Online Editors can be used both together with ONLYOFFICE Server and with other document management systems. The guide is intended for the users with the knowledge and skills of Microsoft Windows based server administration.

ONLYOFFICE Online Editors includes the following components:

- **FileConverterService** - document exporting and importing service;
- **SpellCheckerService** - service for checking the spelling in documents;
- **CoAuthoringService** - service for document co-authoring;
- **DocService** - web site that provides interaction with users;
- **OnlineEditorsExample** - samples of using ONLYOFFICE Online Editors in different programming languages;
- Auxiliary tools.

System Requirements

Hardware

- **CPU:** 1.7 GHz or higher;

- **RAM:** 2 GB or higher;

- **Hard Disk free space:** not less than 1 GB.

Software

- **OS**: Microsoft Windows Vista SP2, Microsoft Windows 7, Microsoft Windows 8, Microsoft Windows 8.1, Microsoft Windows Server 2008(R2), Microsoft Windows Server 2012(R2);

- Microsoft **.NET Framework** 3.5 (can be installed using [Microsoft Web Platform Installer](#));

- **Internet Information Services** 7 or later (can be installed using [Microsoft Web Platform Installer](#));

- **MySQL Server** 5.1 or later (can be installed using [Microsoft Web Platform Installer](#));

- Nodejs 0.10.x (32-bit version);

- Python 2.7;

- Microsoft Visual Studio C++ 2010 Express;

- Microsoft Visual C++ 2005 Service Pack 1 Redistributable Package MFC Security Update (32-bit version) - can be downloaded here: http://www.microsoft.com/en-us/download/details.aspx?id=26347;

- One of the following **browsers**: Microsoft Internet Explorer 9 or later, last versions of Mozilla Firefox, Opera, Safari, Google Chrome.

Database Setup

ONLYOFFICE Online Editors works with MySql database. Perform the following steps to be able to work with the standard configuration:

1. Make sure that MySql Server 5.1 or later version is installed on your local server;
2. Set the o*nlyoffice* password for the *root* user;
3. Create a new database with the *onlyoffice* name;
4. Run the *mysql.sql* script from the *Schema* folder.

In case you do not want to use the standard configuration, you can choose your own user name, password or select a database name. Perform the following steps to do that:

1. Use any text editor to create a text file and write a database connection string with the following format: Server=*{ServerName}*;Database=*{DatabaseName}*;User ID=*{UserName}*;Password=*{UserPassword}*;Pooling=True;Character Set=utf8". The below parameters can be used (please do not use the curly brackets when substituting the actual values):
   a. *{ServerName}* - IP address or network name of the computer with the MySql Server software installed;
   b. *{DatabaseName}* - the name of the database used to save ONLYOFFICE Online Editors data;
   c. *{UserName}* - the account name used to connect to the database. Make sure that this account has the write access rights and permissions to add lines from the database table;
   d. *{UserPassword}* - the password for the account used to connect to the database.
2. Change all the connection strings with the resulting string in the *ServerComponents\Bin\ConnectionStrings.config* file.
3. Change the *onlyoffice* database name in the Schema\mysql.sql file for the name of the base from the *ServerComponents\Bin\ConnectionStrings.config* file.

4. Run the *mysql.sql* script from the *Schema* folder.

ONLYOFFICE Online Editors Compilation

Compile the source code using the *build\build.bat* file. Once the compilation is over the binary files for ONLYOFFICE Online Editors will be located in the *deploy* folder.

ONLYOFFICE Online Editors Deployment

1) Create a directory where you want ONLYOFFICE Online Editors to be installed, e.g. *C:\OnlyOfficeOnlineEditors* (you can use any other name you like).

2) Copy all the contents of the *deploy* folder to the created *C:\OnlyOfficeOnlineEditors* folder.

3) Point out the path to the document temporaty storage. To do that use the *FileConverterService* file (*C:\OnlyOfficeOnlineEditors\FileConverterService\Bin\Settings.config*) and *DocService* (*C:\OnlyOfficeOnlineEditors\DocService\Bin\Settings.config*) where you need to insert the necessary path to the *<add key="utils.storage.fs.keyfiles" value=""/>* string. For example to place the temporary storage to the *C:\OnlyOfficeOnlineEditors\DocService\App_Data\files* directory the string must have the following format: *<add key="utils.storage.fs.keyfiles" value="C:\OnlyOfficeOnlineEditors\DocService\App_Data\files"/>* **Please note that the paths must coincide in both files.**

4) Register ONLYOFFICE Online Editors ActiveX components running the *ActiveX\Register.bat* file. **Please note that the file must be run with administrator rights.**

5) Generate a file with the fonts list running the *Tools\GenerateAllFonts.bat* file. **Please note that the file must be run with administrator rights.**

6) Install ONLYOFFICE Online Editors Windows services:

    a) Install the OnlyOffice File Converter Service. Open the Windows command line and run the following command as administrator:

```
sc create "OnlyOffice File Converter Service" binPath=
"C:\OnlyOfficeOnlineEditors\FileConverterService\Bin\FileConverterServ
ice2.exe" start= auto
```

    b) Install the OnlyOffice Spellchecker Service running the following command:

```
sc create "OnlyOffice Spellchecker Service" binPath=
"C:\OnlyOfficeOnlineEditors\Tools\ProcessRunnerService.exe node
C:\OnlyOfficeOnlineEditors\SpellCheckerService\SpellChecker\sources\se
rver.js" start= auto
```

    c) Install the OnlyOffice CoAuthoring Service running the following command:

```
sc create "OnlyOffice CoAuthoring Service" binPath=
"C:\OnlyOfficeOnlineEditors\Tools\ProcessRunnerService.exe node
C:\OnlyOfficeOnlineEditors\CoAuthoringService\CoAuthoring\sources\serv
er.js" start= auto
```

    d) Run the installed services with the help of the following commands:

```
sc start "OnlyOffice File Converter Service"
sc start "OnlyOffice Spellchecker Service"
sc start "OnlyOffice CoAuthoring Service"
```

7) Configure IIS:

    a) Open the Internet Information Services Manager
    b) Add a new web site with any name you like, e.g. ONLYOFFICE Online Editors. Point out the *C:\OnlyOfficeOnlineEditors\DocService* as a path to the site. **Please note that you must make sure that the site application pool is under control of .Net Framework v2.0.050727 or higher**.
    c) Give the account under which the site will function (NETWORK SERVICE by default) maximal access rights to the *C:\OnlyOfficeOnlineEditors\DocService\App_Data\files* folder which stores temporary document files from Step 2.
    d) In case you plan to use ONLYOFFICE Online Editors together with ONLYOFFICE Server change the site bindings from port 80 to any other (for example, 8081).
    e) Go to the *C:\OnlyOfficeOnlineEditors\DocService\web.config* file and change the line
`<add key="editor.settings.coauthoring.url" value="" />` for `<add`

`key="editor.settings.coauthoring.url"`
`value="http://computername:8000" />`, and line `<add`
`key="editor.settings.spellchecker.url" value="" />` for `<add`
`key="editor.settings.spellchecker.url"`
`value="http://computername:8080" />` where `computername` stands for the computer name in the local network where you deploy ONLYOFFICE Online Editors.

8) When binding the site to any port other than 80 make sure that this port is opened to the local network.

9) Make sure that port 8080 is opened to the local network. This port is used for the spellchecking service correct work.

10) Make sure that port 8000 is opened to the local network. This port is used for the co-authoring service correct work.