



Installation and configuration guide  
Nuxeo OnlyOffice addon

## Document tracking

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### Change history

Version	Date	Authors	Description
<b>1.0.0</b>	25/09/2020	Billy Khoumri (OCDM)	Initial version

### Distribution history

Version	Date	Distributed to	For
<b>1.0.0</b>	25/09/2020	Billy Khoumri (OCDM)	Provided to Nuxeo

### Documentary references

Name	Version	Description

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# 1. Main concept

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Nuxeo OnlyOffice addon is designed to provide collaborative functionalities from Nuxeo UI like creation, opening and collaborative edition of OnlyOffice documents.

Your Nuxeo instance must have access to [an](#) existing OnlyOffice solution.

This addon is provided by Oceane Consulting DM and can connect on premise or cloud OnlyOffice solution. Please contact [nuxeo@oceaniconsulting.com](mailto:nuxeo@oceaniconsulting.com) for any informations on support.

## 2. OnlyOffice Server Installation

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### 2.1. Prerequisites

The minimal prerequisites are the following :

- ▶ One Nuxeo LTS 2019 instance
  - ▶ WEB-UI is mandatory
  - ▶ *JSF-UI is optional (if you're using Nuxeo JSF UI interface, please contact us to retrieve the JSF compatible version with [nuxeo@oceaniconsulting.com](mailto:nuxeo@oceaniconsulting.com))*
- ▶ One OnlyOffice Document Server instance, started and reachable
- ▶ This OnlyOffice Document Server has access to Nuxeo

Our recommendations for the production platform :

- ▶ OnlyOffice Document Server is installed on a dedicated VM
- ▶ SSL through a RP like Apache (or Nginx) for both Nuxeo & OnlyOffice Document Server
- ▶ JWT Secure Token activated on OnlyOffice Document Server side

### 2.2. Install the OnlyOffice Document Server

2 kinds of installation :

- ▶ Cloud: Your OnlyOffice Document Server instance will be hosted by the OnlyOffice online services.
- ▶ On premise: Your OnlyOffice Document Server instance will be hosted on a virtual machine on your private network.

#### 2.2.1. Cloud

You have to register an account first :

- ▶ <https://www.onlyoffice.com/cloud-office.aspx>

A free trial is offer for new customers.

#### 2.2.2. On premise

If not installed yet, take a look at first on the download page of the OnlyOffice website :

- ▶ <https://www.onlyoffice.com/download.aspx>

Search *Document Server* and select your preferred installation process: Docker / DEB / RPM / Snap.

I advise you to select Docker, it's the easier way to install and start quickly an OnlyOffice Document Server instance.

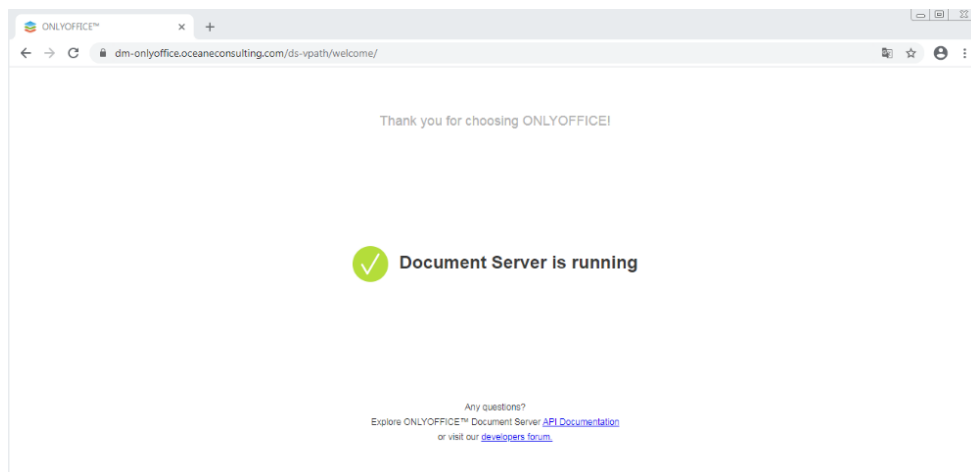
To go deeper :

- ▶ <https://helpcenter.onlyoffice.com/server/docker/document/docker-installation.aspx>
- ▶ <https://helpcenter.onlyoffice.com/server/document.aspx>

Check if the installation is correct:

- ▶ [http\(s\)://ONLYOFFICE\\_DOCUMENT\\_SERVER/welcome/](http(s)://ONLYOFFICE_DOCUMENT_SERVER/welcome/)

Expected result:



## 3. OnlyOffice Nuxeo Addon Installation

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On Nuxeo marketplace page, select the Nuxeo OnlyOffice addon provided by Oceane Consulting DM. On the detail page, click on Install button. You can either install the package “online” with a registered Nuxeo instance or download the marketplace as a zip file and install it “offline”. Follow the installation instructions provided depending on you choice.

In both cases, installation must be done from the server where Nuxeo instance is installed. Nuxeo must be stop/started or restarted to complete the installation.

For all following command lines, `$NUXEO_HOME` is the root folder where Nuxeo instance is installed.

### 3.1. Online installation

```
$NUXEO_HOME/bin/nuxeoctl stop
$NUXEO_HOME/bin/nuxeoctl mp-install nuxeo-onlyoffice-marketplace-
<version>
$NUXEO_HOME/bin/nuxeoctl start
```

If you're using Nuxeo JSF UI interface, please contact us to retrieve the JSF compatible version with [nuxeo@oceaniconsulting.com](mailto:nuxeo@oceaniconsulting.com)

### 3.2. Offline installation

```
$NUXEO_HOME/bin/nuxeoctl stop
$NUXEO_HOME/bin/nuxeoctl mp-install /<your-storage-path>/nuxeo-
onlyoffice-marketplace-<version>.zip
$NUXEO_HOME/bin/nuxeoctl start
```

If you're using Nuxeo JSF UI interface, please contact us to retrieve the JSF compatible version with [nuxeo@oceaniconsulting.com](mailto:nuxeo@oceaniconsulting.com)

### 3.3. Configuration check

Once configured, your Nuxeo instance must be started. Once started, you can check your configuration with the following URL : [http://NUXEO\\_SERVER/nuxeo/runningstatus](http://NUXEO_SERVER/nuxeo/runningstatus)

- ▶ HTTP 200 if all checks pass and a JSON with the detailed status like

```
{  
  "onlyOfficeStatus": "ok",  
  "runtimeStatus": "ok",  
  "elasticSearchStatus": "ok",  
  "ldapDirectories": "ok",  
  "repositoryStatus": "ok",  
  "streamStatus": "ok"  
}
```

or

- ▶ HTTP 500 if at least one check fails

```
{  
  "onlyOfficeStatus": "failed",  
  "runtimeStatus": "ok",  
  "elasticSearchStatus": "ok",  
  "ldapDirectories": "ok",  
  "repositoryStatus": "ok",  
  "streamStatus": "ok"  
}
```

If any problem occurred during configuration, check the Nuxeo server.log file for any message available with possible error causes.



## 4. License

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This addon, in this version 1.0.0, does not need any license key to work.

## 5. Configuration

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### 5.1. Configuration on OnlyOffice Document Server side

The default configuration of OnlyOffice DS is enough for test purposes.

In addition, we recommend to :

- ▶ Configure SSL
- ▶ Configure the secure token for production platforms

If you have installed OnlyOffice Document Server through a Docker container, all technical informations you need are available here :

- ▶ <https://helpcenter.onlyoffice.com/server/docker/document/docker-installation.aspx>
  - ▶ Follow *Running Document Server using HTTPS* chapter
  - ▶ Add `JWT_ENABLED` & `JWT_SECRET` environment variables

### 5.2. Configuration on Nuxeo server side

The **Nuxeo OnlyOffice Integration** addon comes with an additional Nuxeo Template named `onlyoffice-integration`. The structure of the new template is :

- ▶ `onlyoffice-integration`
  - ▶ `nuxeo.default`
  - ▶ `nxserver`
    - ▶ `config`
      - ▶ `onlyoffice-integration-config.xml.nxftl`

The `nuxeo.default` file contains 3 specific properties.

The `onlyoffice-integration-config.xml.nxftl` file contains the default configuration of the Nuxeo OnlyOffice service.

### 5.2.1. Overriding the properties

Add these properties to the nuxeo.conf file:

Property	Default value	Comment
onlyoffice.url.api	<a href="https://ONLYOFFICE_DOCUMENT_SERVER/web-apps/apps/api/documents/api.js">https:// ONLYOFFICE_DOCUMENT_SERVER/ web-apps/apps/api/documents/ api.js</a>	OnlyOffice API URL
onlyoffice.version.save	false	Flag for creating major version for each document save
onlyoffice.token.secret		Secure token configured into the Document Server

Update these properties in the nuxeo.conf file:

Property	Default value	Comment
nuxeo.url	<a href="https://NUXEO_SERVER/nuxeo">https://NUXEO_SERVER/nuxeo</a>	The OnlyOffice Document Server should have access to the Nuxeo instance. Be sure your Nuxeo instance has been started with a public URL. For example : <a href="https://mydomain.com/nuxeo">https://mydomain.com/nuxeo</a>

Restart the Nuxeo instance.

### 5.2.2. Overriding the Nuxeo OnlyOffice service behavior

**The default behavior is enough for test & production platform.** But in most case you will want to go further. Maybe you want to reduce the availability of the OnlyOffice features to some Nuxeo user groups ?

The availability of the OnlyOffice UI buttons into Nuxeo depends on the profiles loaded by the Nuxeo OnlyOffice service.

By default, Nuxeo OnlyOffice loads one profile. This profile contains :

- ▶ Filters rules
  - ▶ doctype = File
- ▶ OnlyOffice editor configuration
  - ▶ customizations and permissions are minimalist

The whole XML file is :

```
<?xml version="1.0"?>
<component name="org.nuxeo.ecm.onlyoffice.service.contrib">
  <extension target="org.nuxeo.ecm.onlyoffice.service.OnlyOfficeService" point="config">
    <config>
      <url>${onlyoffice.url.api}</url>
      <versionOnSave>${onlyoffice.version.save}</versionOnSave>
      <lang>en</lang>
      <region>en-US</region>
      <token>
        <secret>${onlyoffice.token.secret}</secret>
      </token>
      <profile id="default" priority="0">
        <filter id="only_file" enabled="true">
          <rule>
            <type>File</type>
          </rule>
        </filter>
        <customization>
          <autosaveMenuOptioEnabled>true</autosaveMenuOptioEnabled>
          <chatMenuButtonEnabled>false</chatMenuButtonEnabled>
          <ownerCanEditAndDeleteComments>false</ownerCanEditAndDeleteComments>
          <commentsMenuButtonEnabled>false</commentsMenuButtonEnabled>
          <compactHeaderMode>true</compactHeaderMode>
          <compactToolbarMode>false</compactToolbarMode>
          <forcesaveEnabled>false</forcesaveEnabled>
          <helpMenuButtonEnabled>false</helpMenuButtonEnabled>
          <rightMenuHidden>true</rightMenuHidden>
          <showReviewChangesPanelEnabled>false</showReviewChangesPanelEnabled>
          <zoom>100</zoom>
        </customization>
        <document>
          <commentEnabled>false</commentEnabled>
          <downloadEnabled>false</downloadEnabled>
          <editEnabled>true</editEnabled>
          <printEnabled>true</printEnabled>
          <fillFormsEnabled>false</fillFormsEnabled>
          <reviewEnabled>false</reviewEnabled>
        </document>
      </profile>
    </config>
  </extension>
</component>
```

If you want to override the Nuxeo OnlyOffice behavior, **do not edit the XML file located in the only-office template** but create a new XML contribution.

If you have a Nuxeo Studio project:

1. Include the XML content in the Advanced Settings > XML extensions area.
2. Deploy the new version of your Nuxeo Studio project into the Nuxeo instance.

If any, create a XML file:

- In the custom template (<NUXEO\_HOME>/templates/custom/nxserver/config),
- OR directly into the Nuxeo config directory (<NUXEO\_HOME>/nxserver/config).



The XML filename should be: <whatyouwant>-config.xml.

In both cases, restart the Nuxeo instance to apply changes.

Here is an XML contribution template :

```
<?xml version="1.0"?>
<component name="my.onlyoffice.service.contrib">
  <extension target="org.nuxeo.ecm.onlyoffice.service.OnlyOfficeService" point="config">
    <config>
      <!-- you can change the editor language -->
      <lang>en</lang>
      <region>en-US</region>

      <!-- you can define as many profiles as you want -->
      <!-- profiles are sort by priority. The highest priority is checked first -->
      <profile id="only_admin" priority="100">
        <filter id="only_admin" enabled="true">
          <rule>
            <group>administrators</group>
          </rule>
        </filter>
        <customization>
          <!-- your editor cutomizations for admin users -->
        </customization>
        <document>
          <!-- your editor configuration for admin users -->
        </document>
      </profile>
      <profile id="custom" priority="50">
        <filter id="rule_for_contracts" enabled="true">
          <rule>
            <type>Contract</type>
            <permission>EditWithOnlyOffice</permission>
            <group>human_resources_department</group>
          </rule>
        </filter>
        <filter id="other_permissions" enabled="true">
          <rule>
            <type>InternshipAgreement</type>
            <type>Bill</type>
            <permission>EditWithOnlyOffice</permission>
          </rule>
          <rule>
            <facet>CanBeEditedWithOnlyOffice</facet>
          </rule>
          <rule>
            <type>File</type>
          </rule>
        </filter>
        <customization>
          <!-- your custom editor cutomizations -->
        </customization>
        <document>
          <!-- your custom editor configuration -->
        </document>
      </profile>
    </config>
  </extension>
</component>
```

**Note:** In case of a Nuxeo Studio project, remove the 'component' element!

### 5.2.2.1. Filter Rules

Filters rules can be applied on :

- ▶ doctypes
- ▶ users/groups
- ▶ permissions
  - ▶ new dedicated permission available : *EditWithOnlyOffice*
- ▶ facets
  - ▶ new dedicated facet available : *CanBeEditedWithOnlyOffice*

### 5.2.2.2. OnlyOffice editor configuration

Here is the exhaustive list of properties. The comments come from the OnlyOffice official documentation.

Editor property	Comment
autosaveMenuOptioEnabled	Defines if the Autosave menu option is enabled or disabled. - If set to false, only Strict co-editing mode can be selected, as Fast does not work without autosave. - Please note that in case you change this option in menu it will be saved to your browser localStorage.
chatMenuButtonEnabled	Defines if the Chat menu button is displayed or hidden.
ownerCanEditAndDeleteComments	Defines if the user can edit and delete only his comments.
commentsMenuButtonEnabled	Defines if the Comments menu button is displayed or hidden.
compactHeaderMode	Defines if the additional action buttons are displayed in the upper part of the editor window header next to the logo (false) or in the toolbar (true) making the header more compact.
compactToolbarMode	Defines if the top toolbar type displayed is full (false) or compact true.
forcesaveEnabled	Adds the request for the forced file saving to the callback handler when saving the document within the document editing service (e.g. clicking the Save button, etc.).
helpMenuButtonEnabled	Defines if the Help menu button is displayed or hidden.
rightMenuHidden	Defines if the right menu is displayed or hidden on first loading.

showReviewChangesPanelEnabled	Defines if the review changes panel is automatically displayed or hidden when the editor is loaded.
zoom	Defines the document display zoom value measured in percent.
commentEnabled	Defines if the document can be commented or not.
downloadEnabled	Defines if the document can be downloaded or only viewed or edited online.
editEnabled	Defines if the document can be edited or only viewed.
printEnabled	Defines if the document can be printed or not.
fillFormsEnabled	Defines if the forms can be filled. Filling in forms will only be available for the document editor if the mode parameter is set to edit.
reviewEnabled	Defines if the document can be reviewed or not.