






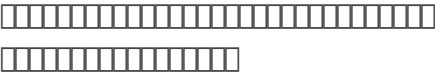


# OxOffice Online








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-  Collabora
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- 
- Cookies 
- PostMessage API












Web



- [OxOffice Online](#) 
-  [iframe](#) 
-  \_\_\_\_\_
-  \_\_\_\_\_

 OxOffice Online  WOPI 

OxOffice Online  WOPI Web   
 **WOPI**   **WOPI**    
 [WOPI documentation.](#)

OxOffice Online  
WOPI



# OxOffice Online

Web OxOffice Online VM  
WOPI

## iframe

OxOffice Online iframe

iframe WOPI WOPI OxOffice Online  
discovery XML

https://<WOPI URL>:<port>/hosting/discovery

discovery.xml urlsrc urlsrc iframe

WOPISrc WOPISrc

https://<WOPI URL>/<...>/wopi/files/<file id>

/wopi/ wopi /wopifiles/ /wopi\_implementation/  
/wopi/

<file id> base64 A-Z a-z 0-9 - \_



token OxOffice Online  
access\_token OxOffice Online token  
WOPI WOPI URL

token WOPI  
WOPISrc URL token iframe  
token token

XXXXXXXXXXXX

XXXXXX

WOPI XXXX      OxOffice Online WOPI XXXXXXXXXX      OxOffice Online XXXXXXXXXXXXXXXX

WOPI XXXX      OxOffice OnlineXXXXXX      **WOPISrc** XXXXX

GET https://<WOPI XXX URL>/<...>/wopi/files/<file id>/contents?access\_token=<token>

XXXXXX

POST https://<WOPI XXX URL>/<...>/wopi/files/<file id>/contents?access\_token=<token>

XXXX      OxOffice Online XXX      4 XXX WOPI XXXXXXXX      **CheckFileInfo**   **GetFile**   **PutFile**   **PutRelativeFile**

XXXXXXXXXXXXXXXXXXXX      tokenXXX      token  
XXXXXXXXXXXXXXXXXXXXXXXX      token XXX      URL XXX      access\_token=<token>  
XXXXXXXXXXXXXXXXXXXX      HTTP header XXXX      OxOffice Online XXX      token

Authorization: Bearer <token>

XXXXXX      4 XXXX

1. **CheckFileInfo**XXXX      URL XXXXXXXX      JSON  
XXXXXX      BaseFileName      Size

GET https://<WOPI XXX URL>/<...>/wopi/files/<file id>?access\_token=<token>

**OxOffice Online** XXX      **CheckFileInfo** XXXX

XX	XX Data type	XX Required	XX
BaseFileName	string	yes	XXXXXXXXXX XXXXXXXXXX
OwnerId	string	yes	XXXXXXXXXX      ID

Size	number (int64)	yes	<div> <div>bytes</div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div>64</div> </div>
UserId	string	yes	<div> <div></div> <div>ID</div> </div>
UserFriendlyName	string	no	<div> <div></div> <div></div> </div>
UserCanWrite	boolean	no	<div> <div></div> <div>true</div> <div>false</div> </div>
UserCanNotWriteRelative	boolean	no	<div> <div></div> <div>true</div> </div>
PostMessageOrigin	string	no	<div> <div>OxOffice Online</div> <div> <div>PostMessage API</div> <div>WOPI</div> </div> <div></div> <div>OxOffice Online</div> <div></div> </div>
HidePrintOption	boolean	no	<div> <div>OxOffice Online</div> <div></div> <div>PostMessage API</div> <div>WOPI</div> <div>UI</div> </div>
DisablePrint	boolean	no	<div> <div></div> <div>UI</div> </div>
HideSaveOption	boolean	no	<div> <div>OxOffice Online</div> <div></div> <div>PostMessage API</div> <div></div> <div></div> </div>
HideExportOption	boolean	no	<div> <div>OxOffice Online</div> <div>...</div> <div></div> <div>PostMessage API</div> </div>
DisableInactiveMessages	boolean	no	<div> <div></div> <div></div> <div></div> <div>JavaScript</div> <div></div> <div>Session_Closed</div> <div>User_Idle</div> <div>PostMessage API</div> <div></div> <div></div> </div>
DisableExport	boolean	no	<div> <div></div> <div>UI</div> <div></div> </div>

DisableCopy	boolean	no	XXXXXXXXXX XXXXXXXXXX XXXXXX
DownloadAsPostMessage	boolean	no	WOPI XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXX Download_As <u>PostMessage API</u> XXXXXXXXXX JSON <div><pre>{   type:     'print' 'slideshow' 'e xport',   URL: '...',   URL...' }</pre></div>
EnableOwnerTermination	boolean	no	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXX
LastModifiedTime	string	no	XXXXXXXXXX ISO8601 XXXX UTC XXXX YYYY-MM- DDThh:mm:ss.nnnnZ
UserExtraInfo	object	no	XXXXXXXXXX <b>UserExtraInfo Details</b> 

UserExtraInfo Details

	Data type	Required	
avatar	string	no	XXXXXX
mail	string	no	XXXXXXXXXX

ip	string	no	IP OxOffice Online reverse proxy IP IP IP IP
watermark	object	no	 <b>Watermark Details</b>

Watermark Details

	Data type	Required	
editing	boolean	no	false
printing	boolean	no	false
opacity	number(double)	no	0.01-1.00 0.20
familyname	string	no	
angle	number(int)	no	0-360 45°
color	string	no	CSS #rrggbb #000000
bold	boolean	no	false
italic	boolean	no	false
outline	boolean	no	false
shadow	boolean	no	false
text	string	no	 \n

2. **GetFile** URL WOPI

OxOffice Online

GET https://<WOPI URL>/<...>/wopi/files/<id>/contents?access\_token=<token>

### 3. PutFile

URL

WOPI

OxOffice

Online

POST https://<WOPI host URL>/<...>/wopi/files/<id>/contents?access\_token=<token>

WOPI

OxOffice Online

- X-WOPI-Override

PUT

- X-LOOL-WOPI-Timestamp ISO8601

WOPI

OxOffice Online HTTP 409

OxOffice Online

```
{
  "OOLStatusCode": 1010
}
```

JSON

**CheckFileInfo**

LastModifiedTime

OxOffice Online

```
{
  "LastModifiedTime": "YYYY-MM-DDThh:mm:ss.nnnnZ"
}
```

**PutFile** OxOffice Online

X-LOOL-WOPI-IsModifiedByUser -

true

false

X-LOOL-WOPI-IsAutosave - true

false

X-LOOL-WOPI-IsExitSave -

true

### 4. PutRelativeFile

URL

WOPI

OxOffice

Online

POST https://<WOPI host URL>/<...>/wopi/files/<id>?access\_token=<token>



- X-WOPI-Override ☐ ☐ ☐ ☐ ☐ ☐

## CheckFileInfo

X-WOPI-SuggestedTarget - UTF-7 [ ][ ][ ][ ][ ]



1.  OxOffice Online  OxOffice Online

https://<WOPI  URL(OxOffice Online)>:<port>/hosting/discovery

2.  WOPI REST API  GET  Hello World  
 rewrite  REST API  
 Hello World

https://<WOPI  URL>/<...>/wopi/files/<file id>/contents

3.  CheckFileInfo

https://<WOPI  URL>/<...>/wopi/files/<file id>

JSON

{"BaseFileName": "test.txt", "Size": 11}

4.  1  OxOffice Online  discovery.xml  **urlsrc**   
OxOffice Online  WOPISrc=https://<WOPI   
URL>/<...>/wopi/files/<file id>

https://<WOPI  URL>:<port>/loleaflet/<hash>/loleaflet.html?WOPISrc=https://<WOPI   
URL>/<...>/wopi/files/<file id>

test.html

```
<html><body>
<form action="" enctype="multipart/form-data" method="post">
  <input name="access_token" value="test" type="hidden"/>
  <input type="submit" value="Load OxOffice Online"/>
</form>
</body></html>
```

test.html  **Load OxOffice Online**  
 2 WOPI REST API  Hello World   
WOPI  OxOffice Online  OxOffice Online   
/etc/oxool/oxoolwsd.xml  <storage> → <wopi>  <host> WOPI

5.  JavaScript  OxOffice  
Online ☐ iframe  
token OxOffice Online   
token
6.  REST API  Hello World☐  
 3  JSON  **CheckFileInfo**  
 JSON
7. ☐ **PutFile**  POST   

https://<WOPI ☐ URL>/<...>/wopi/files/<file id>/contents
8.  **PutRelativeFile**  **CheckFileInfo** ☐  
**UserCanNotWriteRelative** ☐ **true**



# Collabora



## Node.js

Node.js iFrame OxOffice Online npm node.js

[Node.js Example on GitHub](#)

## PHP

iFrame PHP OxOffice Online Apache Web Apache PHP

[PHP Example on GitHub](#)

## Python

iFrame Python OxOffice Online Python Django

[Python Example on GitHub](#)

## ReactJS

iFrame ReactJS Express OxOffice Online npm node.js

[ReactJS Example on GitHub](#)

## .NET

iFrame OxOffice Online .NET

.NET Example on GitHub



OxOffice Online



WOPI

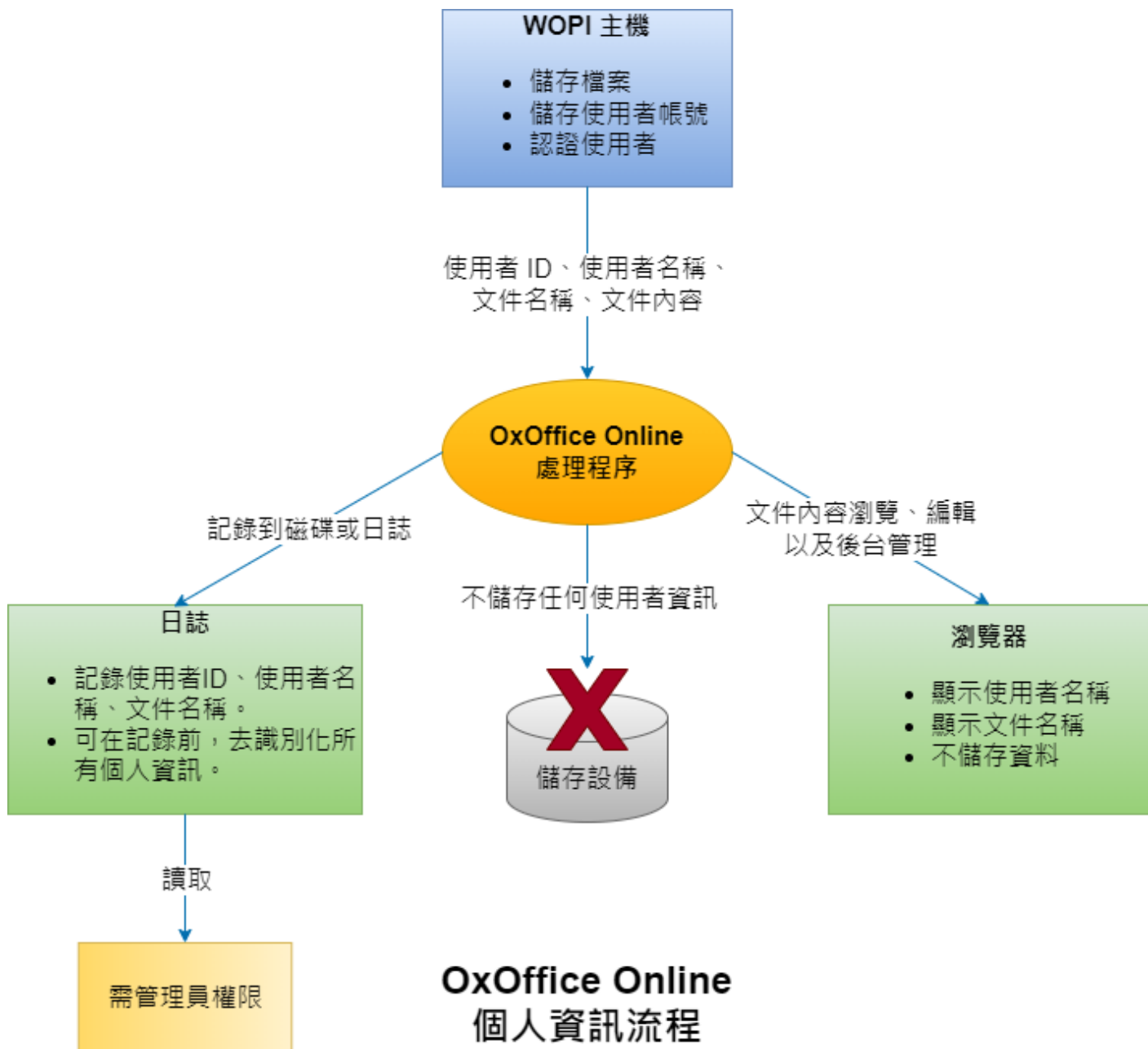


WOPI docs.








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OxOffice Online









## CheckFileInfo

[illegible]

# Cookies

OxOffice Online  cookies   OxOffice Online  session cookie  
  JSON Web Token (JWT)

 local storage 

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# PostMessage API

WOPI    OxOffice Online    iFrame    PostMessage API  
OxOffice Online    WOPI

API    WOPI

```
{
  "MessageId": "<MessageId>",
  "SendTime": "<Timestamp when message is sent>",
  "Values": {
    "<key>": "<value>"
  }
}
```

SendTime    Date.now()    WOPI    PostMessage

WOPI    WOPI    Host\_PostmessageReady    OxOffice Online

OxOffice Online    iFrame    OxOffice Online    WOPI  
**CheckFileInfo**    PostMessageOrigin    OxOffice Online



WOPI

MessageID	Values	
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App\_LoadingStatus

Status: <String>  
DocumentLoadedTime:  
<Timestamp>  
Features:  
{ "VersionStates": true }

Status 

• Frame\_Ready

OxOffice Online

• Features  

- VersionStates  

• Document\_Loaded  

WOPI

PostMessage API  

DocumentLoadedTime

• Failed  

WOPI

OxOffice Online

WOPI

MessageID	Values	<div><div></div></div>
Host_PostmessageReady		<div><div></div></div> OxOffice Online <div><div></div></div> WOPI <div><div></div></div> PostMessage <div><div></div></div>

WOPI  PostMessage API  MessageID  
 MessageID  "\_Resp"

WOPI

MessageID	Values	<div><div></div></div>
Get_Views		<div><div></div></div> <div><div></div></div> MessageID <div><div></div></div> <div>Get_Views_Resp <div><div></div></div></div>
Get_Export_Formats		<div><div></div></div> <div><div></div></div>

WOPI



WOPI   

MessageId	Values	
Action_Save	<div>DontTerminateEdit: &lt;boolean&gt; DontSavelfUnmodified: &lt;boolean&gt; Notify: &lt;boolean&gt; ExtendedData: &lt;String&gt;</div>	<div><div></div><ul style="list-style-type: none"><li>DontTerminateEdit<div></div><div>          true</div><div></div></li><li>DontSavelfUnmodified<div></div><div>  OxOffice Online</div><div></div></li><li>Notify  true <div></div><div>WOPI <div></div>  Action_Save_Resp</div></li><li>ExtendedData <div></div>  X-LOOL-WOPI- ExtendedData <div></div><div>WOPI <div></div></div><div></div><div>OxOffice Online <div></div>          WOPI</div><div></div></li></ul></div>
Action_SaveAs	<div>Filename: &lt;String&gt; Notify: &lt;boolean&gt;</div>	<div><div></div><ul style="list-style-type: none"><li>Filename <div></div></li><li>Notify  true <div></div><div>WOPI <div></div>  Action_Save_Resp</div></li></ul></div>
Action_FollowUser	<div>Follow: &lt;Boolean&gt; ViewId: &lt;Number&gt;</div>	<div><div></div><div></div><ul style="list-style-type: none"><li>Follow true  / false  </li><li>ViewId <div></div>  ID</li></ul></div>
Action_Close		<div></div>
Action_Print		<div></div>
Action_Export	<div>Format: &lt;String&gt;</div>	<div>  Format <div></div><div>Get_Export_Formats <div></div></div></div>
Action_InsertGraphics	<div>url: &lt;String&gt;</div>	<div></div>

MessageId	Values	Schema
Action_ShowBusy	<div>Label: &lt;String&gt;</div>	<div>Label <div></div></div>
Action_HideBusy		<div></div>
Action_ChangeUIMode	<div>Mode:'classic'   'notebookbar'</div>	<div><div></div><ul style="list-style-type: none"><li>classic<div></div></li><li>notebookbar<div></div></li></ul></div>
Action_Paste	<div>Mimetype: &lt;string&gt;</div> <div>Data: &lt;string&gt;</div>	<div></div> <div></div> <div>Values: {Mimetype: "text/plain;charset=utf-8", Data: "haha"};}</div>

WOPI

MessageId	Values	Schema
Action_Load_Resp	<div>success: &lt;boolean&gt;</div> <div>result: &lt;string&gt;</div> <div>errorMsg: &lt;string&gt;</div>	<div><div></div><ul style="list-style-type: none"><li>success true   false</li><li>result <div></div></li><li>errorMsg <div></div></li></ul><div>WOPI</div></div>



WOPI

MessageId	Values	
App_VersionRestore	<div>Status: &lt;string&gt;</div>	<div> <div>Host_VersionRestore</div> <div>Status</div> <div>Pre_Restore_Ack</div> <div>WOPI</div> </div>

App>LoadingStatus

VersionStates

WOPI

MessageId	Values	
-----------	--------	--





Hide_Menubar		<div></div>
Show_Menubar		<div></div>
Grab_Focus		<div><div></div><div></div><div></div><div></div><div>Grab_Focus</div><div></div><div></div></div>
Hide_Ruler		<div></div> Writer <div></div>
Show_Ruler		<div></div> Writer <div></div>
Hide_Menu_Item	<div>id: &lt;string&gt;</div>	<div><div></div><div>id<div></div>ID</div><div></div><div><div><div></div><div>uiconfig/text/menubar.json</div></div><div><div></div><div>uiconfig/spreadsheet/menubar.json</div></div><div><div></div><div>uiconfig/presentation/menubar.json</div></div><div><div></div><div>uiconfig/drawing/menubar.json</div></div></div></div>
Show_Menu_Item	<div>id: &lt;string&gt;</div>	<div><div></div><div>id<div></div>ID</div><div></div><div>Hide_Menu_Item</div></div>



- Control.StatusBar.js

ID

# ID

ID Control.StatusBar.js onDocLayerInit ID

WOPI

MessageId	Values	
Clicked_Button	id: <string>	Insert_Button API
Download_As	Type: 'print' 'slideshow' 'export' URL: <string>	... WOPI CheckFileInfo DownloadAsPostMessage Web view
UI_Close	EverModified: true   false	EverModified
UI_Save	source: 'filemenu'   'notebookbar'   'toolbar'	source
UI_CreateFile	DocumentType: 'text'   'spreadsheet'   'presentation'   'drawing'	WOPI DocumentType text spreadsheet presentation drawing

MessageId	Values	
UI_SaveAs		<div>WOPI UI</div> <div></div> <div></div> <div></div> <div>WOPI</div> <div>Action_SaveAs</div> <div></div>
UI_Cancel_Password		<div>WOPI</div> <div></div> <div></div>
UI_Hyperlink		<div>WOPI</div> <div></div> <div></div> <div>OxOffice Online iframe</div> <div>App</div> <div></div> <div>Android Activity iOS</div> <div></div> <div>WOPI</div> <div>Disable_Default_UIAction</div> <div>UI_Hyperlink</div>
Doc_ModifiedStatus	<div>Modified: true   false</div>	<div></div> <div>Modified true</div> <div>Modified</div> <div>false</div> <div></div> <div></div> <div>Modified</div> <div></div> <div></div> <div></div>

Python

WOPI

MessageId	Values	
CallPythonScript	<div>ScriptFile: &lt;string&gt;</div> <div>Function: &lt;string&gt;</div> <div>Values: &lt;object&gt;</div>	<div>Python</div> <div> <ul style="list-style-type: none"> <li>ScriptFile</li> <li>Function</li> <li>Values key: value, ...</li> </ul> </div>

MessageId	Values	[[
CallPythonScript-Result	<div>commandName: &lt;string&gt; Values: &lt;object&gt;</div>	<div>[[ Python ]]]] ]]]]] URL]</div> <div>commandName</div>