








OxOffice Online








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- 
-  Collabora
- 
- 
- Cookies 
- PostMessage API



Web



- OxOffice Online 
-  iframe 
-  _____
-  _____

☐ OxOffice Online ☐

WOPI ☐ ☐ ☐

OxOffice Online [] WOPI [] Web []
[] **WOPI** [] [] **WOPI** [] []
[] WOPI documentation.

OxOffice Online
WOPI



 **iframe** 

[illegible]

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

UserExtraInfo Details

<div></div>	<div><div></div><div>Data type</div></div>	<div><div></div><div>Required</div></div>	<div></div>
avatar	string	no	<div>XXXXXXXXXX</div>
mail	string	no	<div>XXXXXXXXXX</div>

ip	string	no	IP OxOffice Online reverse proxy IP IP IP IP
watermark	object	no	 Watermark Details

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

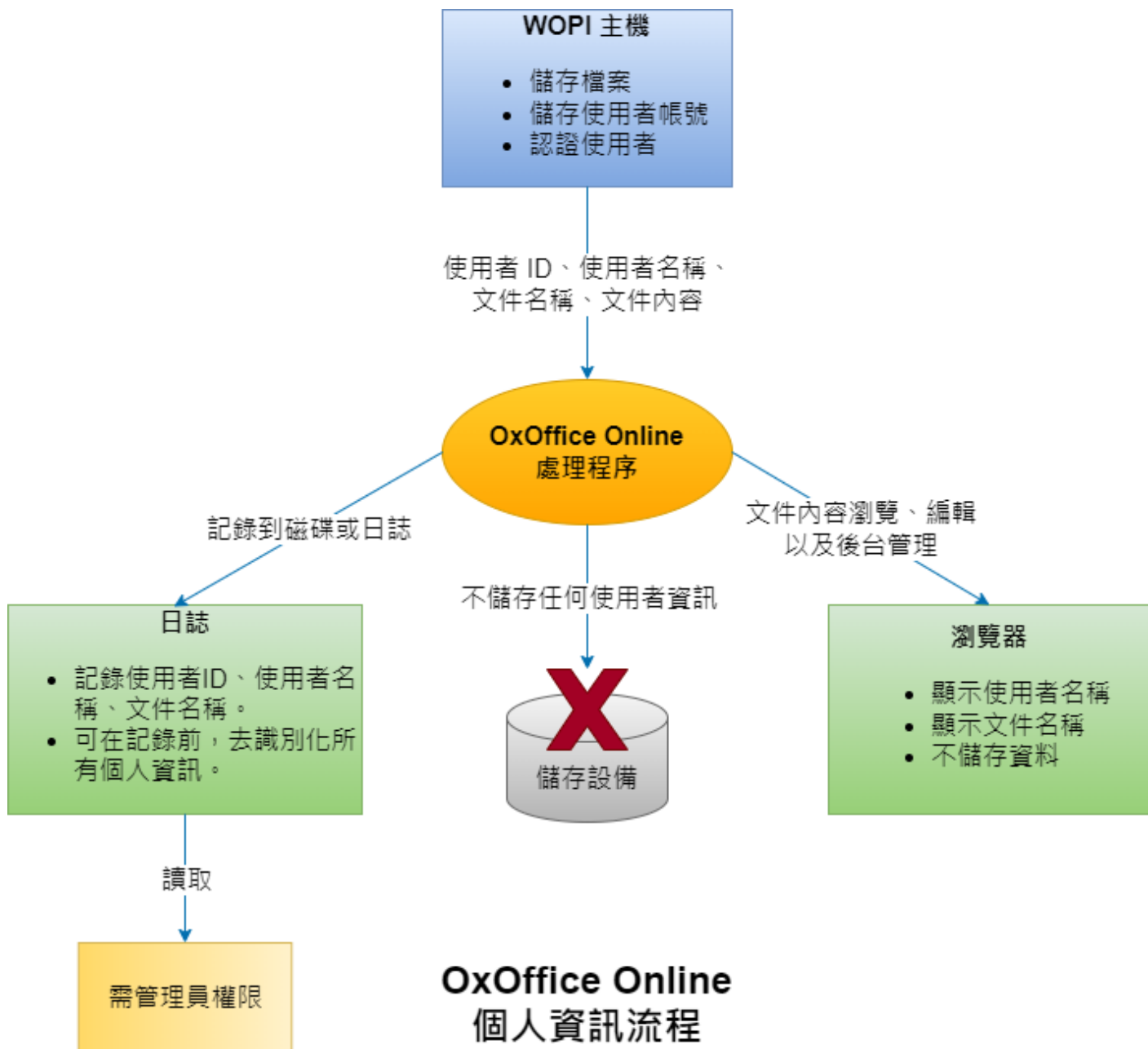


WOPI docs.

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OxOffice Online

CheckFileInfo

[illegible]

Cookies

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OxOffice Online

cookies[] [] OxOffice Online [][][][][][]

session cookie

[illegible]










11

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

WOPI PostMessage API MessageID

MessageID "_Resp"

WOPI

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

WOPI

WOPI

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

MessageId	Values	Schema
Action_ShowBusy	<div>Label: <String></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">classic<div></div>notebookbar<div></div></div>
Action_Paste	<div>Mimetype: <string></div> <div>Data: <string></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: <boolean></div> <div>result: <string></div> <div>errorMsg: <string></div>	<div><div></div><ul style="list-style-type: none">success true falseresult <div></div>errorMsg <div></div><div>WOPI</div></div>

MessageId	Values	
Action_Save_Resp	<div>success: <boolean></div> <div>result: <string></div> <div>errorMsg: <string></div> <div>fileName: <string></div>	<div><div>Success</div><div>Action_Save</div><div>Action_SaveAs</div><div>PostMessage</div><div>API</div><div>Notify</div><div>Success</div><div>true</div><div>Success</div><div>• success true</div><div>Success</div><div>Success</div><div>Success</div><div>unmodified</div><div>WOPI</div><div>Success</div><div>Success</div><div>• errorMsg</div><div>Success</div><div>WOPI</div><div>Success</div><div>• fileName</div><div>Success</div><div>success</div><div>true</div><div>Success</div></div>
FollowUser_Changed	<div>FollowedViewId: <Number></div> <div>IsFollowUser: <Boolean></div> <div>IsFollowEditor: <Boolean></div>	<div><div>Success</div><div>• FollowedViewId</div><div>Success</div><div>• IsFollowUser</div><div>Success</div><div>• IsFollowEditor</div><div>Success</div><div>• IsFollowUser</div><div>IsFollowEditor</div><div>false</div><div>Success</div></div>
Action_ChangeUIMode_Resp	<div>Mode: <string></div>	<div><div>Success</div><div>Mode</div><div>Success</div></div>



WOPI

MessageId	Values	
Host_VersionRestore	<div>Status: <string></div>	<div><div>Success</div><div>Pre_Restore</div><div>Success</div><div>Success</div><div>Success</div><div>OxOffice Online</div><div>Success</div><div>Success</div></div>

WOPI

MessageId	Values	
App_VersionRestore	<div>Status: <string></div>	<div> <div>Host_VersionRestore</div> <div>Status</div> <div>WOPI</div> <div>Pre_Restore_Ack</div> </div>

App>LoadingStatus

VersionStates

WOPI

MessageId	Values	
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Insert_Button	<div>id: <string></div> <div>imgurl: <string></div> <div>hint: <string></div> <div>accessKey: <string></div> <div>mobile: <boolean></div> <div>tablet: <boolean></div> <div>insertBefore: <string></div> <div>unoCommand: <string></div>	<div><div><div></div><div></div></div><div><div></div><div></div></div><div>unoCommand<div></div></div><div>Clicked_Button<div></div>WOPI<div></div></div><div>WOPI<div></div><ul style="list-style-type: none">id<div></div>ID<div></div><div></div><div>ID<div></div></div>ID<div></div><div></div><div></div><div></div>imgurl<div></div>24x24 px<div></div>WOPI<div></div>Content-Security-Policy<div></div>hint<div></div>accessKey<div></div>Alt<div></div>Alt+Shift<div></div>mobile<div></div>tablet<div></div>insertBefore<div></div><div>ID<div></div></div>unoCommand<div></div>UNO<div></div><div></div><div></div><div>Clicked_Button<div></div>WOPI<div></div>LibreOffice<div></div></div></div></div>
Hide_Button	<div>id: <string></div>	<div><div></div><div>id<div></div>ID<div></div></div><div><div></div><div>ID<div></div></div></div></div>
Show_Button	<div>id: <string></div>	<div><div></div><div>id<div></div>ID<div></div></div><div><div></div><div>ID<div></div></div></div></div>
Remove_Button	<div>id: <string></div>	<div><div></div><div>id<div></div>ID<div></div></div><div><div></div><div>ID<div></div></div></div></div>
Remove_Statusbar_Element	<div>id: <string></div>	<div><div></div><div>id<div></div>ID<div></div></div><div><div></div><div><div></div><div>ID<div></div></div></div></div></div>

Hide_Menubar		[] [] [] [] [] [] [] []
Show_Menubar		[] [] [] [] [] [] [] []
Grab_Focus		[] Grab_Focus [] [] [] [] [] [] [] [] [] [] [] [] [] []
Hide_Ruler		[] [] [] [] [] [] [] [] [] [] Writer [] []
Show_Ruler		[] [] [] [] [] [] [] [] [] [] Writer [] []
Hide_Menu_Item	id: <string>	[] [] [] [] [] [] [] [] id [] [] ID [] [] [] [] [] [] [] [] • [] [] [] [] <u>uiconfig/text/menubar.json</u> • [] [] [] [] <u>uiconfig/spreadsheet/menubar.json</u> • [] [] [] [] <u>uiconfig/presentation/menubar.json</u> • [] [] [] [] <u>uiconfig/drawing/menubar.json</u>
Show_Menu_Item	id: <string>	[] [] [] [] [] [] [] [] id [] [] ID [] [] [] [] [] [] [] [] Hide_Menu_Item

- 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	[[
<div>CallPythonScript-Result</div>	<div>commandName: <string> Values: <object></div>	<div>[[Python]]]]]]]]] URL]</div> <div>commandName</div>