







OxOffice Online



- [\[\]](#)
- [\[\]\[\]](#)
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- [\[\]\[\]\[\]\[\] Collabora\[\]](#)
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- [\[\]\[\]\[\]](#)
- [Cookies \[\]\[\]\[\]\[\]](#)
- [PostMessage API](#)




OxOffice Online

 Web  OxOffice Online  VM
 WOPI  WOPI


iframe


  iframe
OxOffice Online 



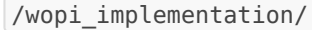
 iframe  WOPI  WOPI  OxOffice Online
 discovery XML 


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

 discovery.xml **urlsrc**  **urlsrc**  iframe











 **WOPISrc**  **WOPISrc** 










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

   wopi    
 

<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 

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

DisableCopy	boolean	no	<p>□□□□□□□□</p> <p>□□□□□□□□</p> <p>□□□□□□</p>
DownloadAsPostMessage	boolean	no	<p>WOPI</p> <p>□□□□□□□□</p> <p>□□□□□□□□</p> <p>□□□□□□□□</p> <p>□□□□□□</p> <p>Download_As □</p> <p>PostMessage API</p> <p>□□□□□□□□</p> <p>JSON□</p> <pre> { □Type: 'print' 'slideshow' 'export', □URL: '..□□□□□□ URL...' } </pre>
EnableOwnerTermination	boolean	no	<p>□□□□□□□□</p> <p>□□□□□□□□</p> <p>□□□□□□□□</p> <p>□□□□□□</p>
LastModifiedTime	string	no	<p>□□□□□□□□</p> <p>ISO8601 □□□□ UTC</p> <p>□□□□ YYYY-MM-DDThh:mm:ss.nnnnZ□</p>
UserExtraInfo	object	no	<p>□□□□□□□□</p> <p>UserExtraInfo Details</p> <p>□</p>

UserExtraInfo Details□

□□	□□ □ Data type□	□□ Required	□□
avatar	string	no	□□□□□□
mail	string	no	□□□□□□□□

ip	string	no	<p>IP address</p> <p>OxOffice Online reverse proxy</p> <p>IP address</p> <p>IP address</p> <p>IP address</p> <p>IP address</p>
watermark	object	no	<p>Watermark details</p> <p>Watermark Details</p>

Watermark Details

Property	Data type	Required	Value
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-L00L-WOPI-Timestamp ISO8601

WOPI

OxOffice Oline HTTP 409

OxOffice Online

```
{
  "X-L00LStatusCode": 1010
}
```

JSON

[CheckFileInfo](#)

LastModifiedTime

OxOffice Online

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

PutFile OxOffice Online

X-L00L-WOPI-IsModifiedByUser - true

false

X-L00L-WOPI-IsAutosave - true false

X-L00L-WOPI-IsExitSave -

true

4. PutRelativeFile

URL

WOPI

OxOffice

Online

```
POST https://<WOPI host URL>/<...>/wopi/files/<id>?access_token=<token>
```




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

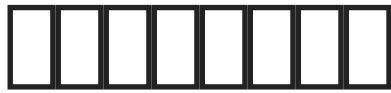
[]

5. JavaScript OxOffice
Online iframe token OxOffice Online
token

6. REST API Hello World
 3 JSON [CheckFileInfo](#)
 JSON

7. [PutFile](#) POST

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.](#)

Cookies

OxOffice Online 



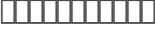
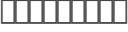




cookies  OxOffice Online 
 JSON Web Token (JWT) 

session cookie



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 Host_PostmessageReady OxOffice Online
 WOPI

OxOffice Online iFrame OxOffice Online WOPI
 CheckFileInfo PostMessageOrigin OxOffice Online



WOPI

MessageID	Values	
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MessageID	Values	
Get_Views_Resp	<pre>[{ ViewId: <Number> UserId: <String> UserName: <String> Color: <Number> ReadOnly: <Boolean> IsCurrentView: <Boolean> },...]</pre>	<pre>[Get_Views []]</pre>
Get_Export_Formats_Resp	<pre>[{ Label: <String> Format: <String> },...]</pre>	<pre>[Get_Export_Formats [] • Label [] • Format []]</pre>



WOPI [] [] [] []

MessageID	Values	
Action_RemoveView	<pre>ViewId: <Number></pre>	<pre>[Id [] []]</pre>

[] [] WOPI [] []

MessageID	Values	
Views_List	<pre>[Get_Views_Resp []]</pre>	<pre>[[] [] []]</pre>



MessageId	Values	{}
Action_ShowBusy	Label: <String>	{} Lable {}
Action_HideBusy		{}
Action_ChangeUIMode	Mode: 'classic' {} 'notebookbar'	{} • classic {} • notebookbar {}
Action_Paste	Mimetype: <string> Data: <string>	{} {} Values: {Mimetype: "text/plain;charset=utf-8", Data: "haha"};}

{} {} WOPI {}

MessageId	Values	{}
Action_Load_Resp	success: <boolean> result: <string> errorMsg: <string>	{} • success true {} false {} • result {} • errorMsg {} {} WOPI {}

MessageId	Values	JSON
Action_Save_Resp	<pre> success: <boolean> result: <string> errorMsg: <string> fileName: <string> </pre>	<pre> { "Action_Save": { "Action_SaveAs": "PostMessage API", "Notify": true }, "success": true, "result": { "unmodified": true, "WOPI": {} }, "errorMsg": { "WOPI": {} }, "fileName": "success" } </pre>
FollowUser_Changed	<pre> FollowedViewId: <Number> IsFollowUser: <Boolean> IsFollowEditor: <Boolean> </pre>	<pre> { "FollowedViewId": {}, "IsFollowUser": {}, "IsFollowEditor": {}, "IsFollowUser": false, "IsFollowEditor": false } </pre>
Action_ChangeUIMode_Resp	<pre> Mode: <string> </pre>	<pre> { "Mode": {} } </pre>



WOPI {} {} {}

MessageId	Values	JSON
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Remove_Statusbar_Element	id: <string>	<pre> XXXXXXXXXX id XXXXX ID XXXXXX XXXXXX ID </pre>
Hide_Menubar		<pre> XXXXXXXXXX </pre>
Show_Menubar		<pre> XXXXXXXXXX </pre>
Grab_Focus		<pre> XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX Grab_Focus XXXXXXXXXXXXXXXXXXXX XX </pre>
Hide_Ruler		<pre> XXXXXXXXXXXXXXXXXXXX Writer XX </pre>
Show_Ruler		<pre> XXXXXXXXXXXXXXXXXXXX Writer XX </pre>
Hide_Menu_Item	id: <string>	<pre> XXXXXXXXXXXXXXXXXXXX id XXXX ID XXXXXXXXXXXX • XXXXX uiconfig/text/menubar.json • XXXXX uiconfig/spreadsheet/menubar.json • XXXXX uiconfig/presentation/menubar.json • XXXXX uiconfig/drawing/menubar.json </pre>
Show_Menu_Item	id: <string>	<pre> XXXXXXXXXXXXXXXXXXXX id XXXX ID XXXXXXXXXXXX Hide_Menu_Item </pre>

<p>Disable_Default_UIAction</p>	<p>action: <string> disable: <Boolean></p>	<pre> UI • action • disable (true) (false) true postMessage WOPI postMessage UI_SaveAs UI_Share postMessage UI_Save Disable_Default_UIAction UI_Save WOPI Action_Save UI_Close UI_Close postMessage WOPI Action_Close WOPI Action_xyyzz UI_Save UI_Close UI_Hyperlink </pre>
<p>Send_UNO_Command</p>	<p>Command: <string> Args: <object></p>	<pre> UNO framed.doc.html </pre>



ID

getToolItems/create

- [Control.TopToolBar.js](#)
- [Control.MobileTopBar.js](#)
- [Control.MobileBottomBar.js](#)

MessageId	Values	
UI_SaveAs		<p>WOPI UI</p> <p>WOPI</p> <p>Action_SaveAs</p>
UI_Cancel_Password		<p>WOPI</p>
UI_Hyperlink		<p>WOPI</p> <p>OxOffice Online iframe</p> <p>App</p> <p>Android Activity iOS</p> <p>WOPI</p> <p>Disable_Default_UIAction</p> <p>UI_Hyperlink</p>
Doc_ModifiedStatus	<div style="border: 1px solid gray; padding: 5px; width: fit-content;">Modified: true false</div>	<p>Modified true</p> <p>Modified</p> <p>false</p> <p>Modified</p>

Python

WOPI

MessageId	Values	
CallPythonScript	<div style="border: 1px solid gray; padding: 5px; width: fit-content;"> ScriptFile: <string> Function: <string> Values: <object> </div>	<p>Python</p> <ul style="list-style-type: none"> ScriptFile Function Values key: value, ...



WOPI

MessageId	Values	
CallPythonScript-Result	commandName: <string> Values: <object>	Python URL commandName