

OxOffice Online ?????

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

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OxOffice Online ??

Web OxOffice Online VM
WOPI 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 /wopi/files/ /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 WOPI
token token iframe

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WOPI URL OxOffice Online WOPI URL OxOffice Online

WOPI OxOffice Online WOPISrc

```
GET https://<WOPI URL>/<...>/wopi/files/<file id>/contents?access_token=<token>
```

WOPI

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

OxOffice Online 4 WOPI **CheckFileInfo** **GetFile** **PutFile** **PutRelativeFile**

token token
 token URL access_token=<token>
 HTTP header OxOffice Online token

```
Authorization: Bearer <token>
```

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1. CheckFileInfo??? URL ?????????? JSON ?????? BaseFileName ? Size?

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

OxOffice Online ??? CheckFileInfo ??????

	Data type	Required	
BaseFileName	string	yes	
OwnerId	string	yes	ID
Size	number (int64)	yes	bytes 64

watermark	object	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> Watermark Details
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Watermark Details?

Property	Data type	Required	Value
editing	boolean	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> false
printing	boolean	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> false
opacity	number(double)	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> 0.01-1.00 0.20
familyname	string	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div>
angle	number(int)	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> 0-360 45°
color	string	no	CSS #rrggbb <div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> #000000
bold	boolean	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> false
italic	boolean	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> false
outline	boolean	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> false
shadow	boolean	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> false
text	string	no	<div style="border: 1px solid black; width: 100px; height: 15px; background-color: #cccccc;"></div> \n

2. **GetFile** URL WOPI OxOffice Online?

```
GET https://<WOPI host 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>
```


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**

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

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MessageID	Values	
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MessageId	Values	JSON
Action_HideBusy		{}
Action_ChangeUIMode	<pre>Mode: 'classic' 'notebookbar'</pre>	<pre>{ "classic": true, "notebookbar": true }</pre>
Action_Paste	<pre>Mimetype: <string> Data: <string></pre>	<pre>{ "Mimetype": "text/plain;charset=utf-8", "Data": "haha" }</pre>

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MessageId	Values	JSON
Action_Load_Resp	<pre>success: <boolean> result: <string> errorMsg: <string></pre>	<pre>{ "success": true, "result": "WOPI", "errorMsg": "" }</pre>
Action_Save_Resp	<pre>success: <boolean> result: <string> errorMsg: <string> fileName: <string></pre>	<pre>{ "success": true, "result": "WOPI", "errorMsg": "", "fileName": "success" }</pre>

WOPI ??? ???

Messageld	Values	[]
<p>Insert_Button</p>	<pre> id: <string> imgurl: <string> hint: <string> accessKey: <string> mobile: <boolean> tablet: <boolean> insertBefore: <string> unoCommand: <string> </pre>	<pre> [] [] unoCommand [] Clicked_Button [] WOPI [] WOPI [] • id [] ID [] [] ID [] ID [] [] [] • imgurl [] 24x24 px[] WOPI [] Content-Security-Policy[] • hint [] • accessKey [] Alt [] Alt+Shift [] • mobile [] • tablet [] • insertBefore [] [] ID [] [] ID • unoCommand UNO [] [] [] Clicked_Button [] WOPI [] LibreOffice [] </pre>
<p>Hide_Button</p>	<pre> id: <string> </pre>	<pre> [] id [] ID [] ID </pre>
<p>Show_Button</p>	<pre> id: <string> </pre>	<pre> [] id [] ID [] ID </pre>

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

MessageId	Values	
Disable_Default_UIAction	<pre> action: <string> disable: <Boolean> </pre>	<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_xxyzz UI_Save UI_Close UI_Hyperlink </pre>
Send_UNO_Command	<pre> Command: <string> Args: <object> </pre>	<pre> UNO framed.doc.html </pre>

???????? ID

getToolItems/create

- Control.TopToolbar.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	<p>Modified: true false</p>	<p>Modified true</p> <p>Modified</p> <p>false</p> <p>Modified</p>

?? Python ??

WOPI ? ? ? ? ?

MessageId	Values	
CallPythonScript	<p>ScriptFile: <string></p> <p>Function: <string></p> <p>Values: <object></p>	<p>Python</p> <ul style="list-style-type: none"> ScriptFile Function Values key: value, ...

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