

?????

OxOffice Online ??

Web OxOffice Online VM
WOPI 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 /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 WOPIsrc URL token WOPI
token token iframe

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 IP</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>

WOPI [] OxOffice Online [] - X-WOPI-Override []

PUT_RELATIVE

[] [CheckFileInfo](#) []

UserCanNotWriteRelative [] true []

[] OxOffice Online []

X-WOPI-SuggestedTarget

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