






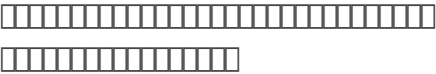


# OxOffice Online








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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



# 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 XXX      OxOffice Online XXXXXXX      **WOPISrc** XXXX

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

XXXXXX

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

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

XXXXXXXXXXXXXXXXXXXX      token   token  
XXXXXXXXXXXXXXXXXXXXXXXX      token   URL   access\_token=<token>  
XXXXXXXXXXXXXXXX      HTTP header   OxOffice Online   token

Authorization: Bearer <token>

XXXXXX      4   XXX

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

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

**OxOffice Online**   **CheckFileInfo**

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

UserExtraInfo Details

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

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 ☐☐☐☐☐☐☐☐☐☐☐☐



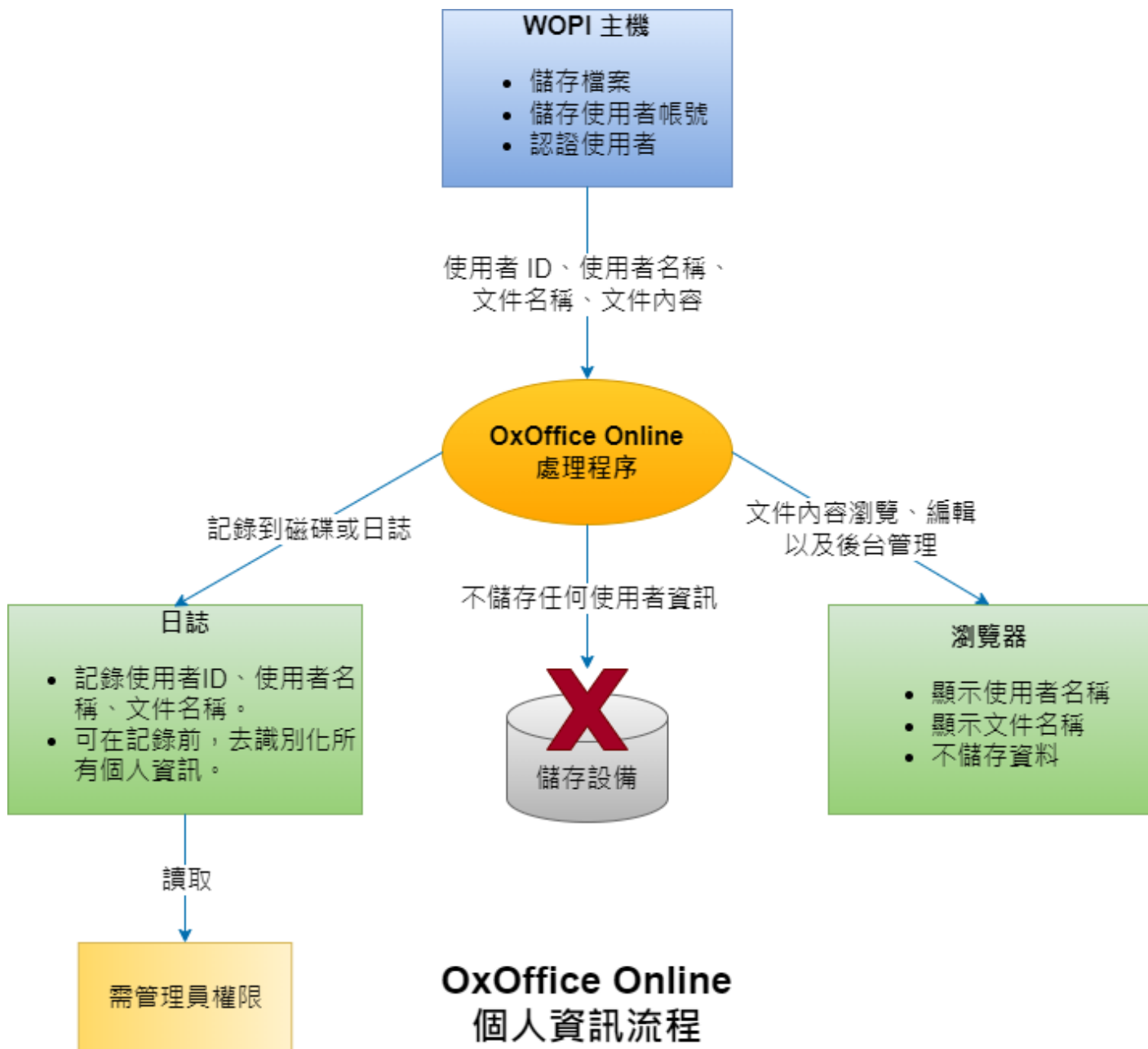
WOPI docs.

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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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- 
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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

MessageID	Values	
Get_Views_Resp	<div>[   {     ViewId: &lt;Number&gt;     UserId: &lt;String&gt;     UserName: &lt;String&gt;     Color: &lt;Number&gt;     ReadOnly: &lt;Boolean&gt;     IsCurrentView: &lt;Boolean&gt;   },... ]</div>	<div><div>Get_Views</div><div></div></div>
Get_Export_Formats_Resp	<div>[   {     Label: &lt;String&gt;     Format: &lt;String&gt;   },... ]</div>	<div><div>Get_Export_Formats</div><div><div>Label</div><div></div><div>Format</div><div></div></div></div>

WOPI      

MessageID	Values	
Action_RemoveView	<div>ViewId: &lt;Number&gt;</div>	<div><div>Id</div><div></div><div></div></div>

   WOPI   

MessageID	Values	
Views_List	<div>Get_Views_Resp</div>	<div><div></div><div></div><div></div></div>

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> <div>Action_Save_Resp</div></div></li><li>ExtendedData <div></div> X-LOOL-WOPI-<div></div><div>ExtendedData <div></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> <div>Action_Save_Resp</div></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	Label: <String>	<div>Label</div> <div>Lable</div>
Action_HideBusy		
Action_ChangeUIMode	Mode:'classic' or 'notebookbar'	<div>UI Mode</div> <ul style="list-style-type: none"> <li>classic</li> <li>notebookbar</li> </ul>
Action_Paste	Mimetype: <string> Data: <string>	<div>Mimetype</div> <div>Values: {Mimetype: "text/plain;charset=utf-8", Data: "haha"};}</div>

WOPI

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>Response</div> <ul style="list-style-type: none"> <li>success true or false</li> <li>result</li> <li>errorMsg</li> </ul> <div>WOPI</div>

MessageId	Values	
Action_Save_Resp	<div>success: &lt;boolean&gt;</div> <div>result: &lt;string&gt;</div> <div>errorMsg: &lt;string&gt;</div> <div>fileName: &lt;string&gt;</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 true false</div><div>• result</div><div>unmodified</div><div>WOPI</div><div>errorMsg</div><div>WOPI</div><div>• fileName success</div><div>true</div></div>
FollowUser_Changed	<div>FollowedViewId: &lt;Number&gt;</div> <div>IsFollowUser: &lt;Boolean&gt;</div> <div>IsFollowEditor: &lt;Boolean&gt;</div>	<div><div>FollowedViewId</div><div>IsFollowUser</div><div>IsFollowEditor</div><div>IsFollowUser</div><div>IsFollowEditor false</div></div>
Action_ChangeUIMode_Resp	<div>Mode: &lt;string&gt;</div>	<div><div>Mode</div></div>



WOPI      

MessageId	Values	
Host_VersionRestore	<div>Status: &lt;string&gt;</div>	<div><div>Pre_Restore</div><div></div><div></div><div>OxOffice Online</div></div>

WOPI

MessageId	Values	
App_VersionRestore	<div>Status: &lt;string&gt;</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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[illegible]

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
Show_Ruler		<div></div> Writer
Hide_Menu_Item	<div>id: &lt;string&gt;</div>	<div><div></div><div></div><div>id</div><div>ID</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></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><div>WOPI</div><div>UI</div><div>WOPI</div><div>Action_SaveAs</div></div>
UI_Cancel_Password		<div><div>WOPI</div></div>
UI_Hyperlink		<div><div>WOPI</div><div>OxOffice Online</div><div>iframe</div><div>App</div><div>Android</div><div>Activity</div><div>iOS</div><div>WOPI</div><div>Disable_Default_UIAction</div><div>UI_Hyperlink</div></div>
Doc_ModifiedStatus	Modified: true   false	<div><div>Modified</div><div>true</div><div>Modified</div><div>false</div><div>Modified</div></div>

# Python

WOPI

MessageId	Values	
CallPythonScript	ScriptFile: <string> Function: <string> Values: <object>	<div><div>Python</div><div>ScriptFile</div><div>Function</div><div>Values</div><div>key:</div><div>value, ...</div></div>

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