



oRTB Video Request parameter	DFP parameter	OpenWrap Parameter	Parameter Type	Notes																				
API		pwtvapi																						
BAttr		pwtbattr																						
BoxingAllowed		pwtbox																						
Delivery		pwtadvry																						
H	sz	pwtvsz		W and H would be provided in pwtvsz or sz in the format: WxH																				
Linearity	vad_type	pwtvlin		linear=1,nar=2																				
MaxBitrate		pwtmabr																						
MaxDuration	max_ad_duration	pwtvmaxd																						
MaxExtended		pwtmmax																						
Mimes		pwtmime	List of Integers; for example, pwtmime=1,2	<p>Possible Integer values for pwtmime and their corresponding meaning:</p> <table border="1"> <thead> <tr> <th>ID</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>All</td> </tr> <tr> <td>1</td> <td>video/mp4</td> </tr> <tr> <td>2</td> <td>application/x-shockwave-flash (VPAID - FLASH)</td> </tr> <tr> <td>3</td> <td>video/wmv</td> </tr> <tr> <td>4</td> <td>video/h264</td> </tr> <tr> <td>5</td> <td>video/webm</td> </tr> <tr> <td>6</td> <td>application/javascript (VPAID - JS)</td> </tr> <tr> <td>7</td> <td>video/ogg</td> </tr> <tr> <td>8</td> <td>video/flv</td> </tr> </tbody> </table>	ID	Value	0	All	1	video/mp4	2	application/x-shockwave-flash (VPAID - FLASH)	3	video/wmv	4	video/h264	5	video/webm	6	application/javascript (VPAID - JS)	7	video/ogg	8	video/flv
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MinBitrate		pwtmabr																						
MinDuration	min_ad_duration	pwtvmin																						
Placement		pwtvplc																						

PlaybackMethod	vpmute, vpa	pwtplbk		<ol style="list-style-type: none"> <li>1. Vpmute=1 &amp; vpa=0, ortb playback =2,6</li> <li>2. Vpmute=0 &amp; vpa=1, ortb playback =1,2</li> <li>3. Vpmute=1 &amp; vpa=1, ortb playback =2</li> <li>4. Vpmute=0 &amp; vpa=0, ortb playback =&lt;none selected&gt;</li> </ol>
Pos		pwtvpos		
Protocol		pwtprot		
Protocols		pwtprots		
Sequence		pwtseq		
Skip		pwtskip		
SkipAfter		pwtskat		
SkipMin		pwtskmn		
StartDelay	vpos	pwtldly		<ul style="list-style-type: none"> <li>• preroll=0</li> <li>• midroll=-1</li> <li>• postroll=-2</li> </ul>
W	sz	pwtvsz		W and H would be provided in pwtvsz or sz in the format: WxH

## Sample request

```

http://ow.pubmatic.com/openrtb/2.5/video/?
v=1&pubId=5890&iuId=Div1&profId=4415&pwtvmxd=100&pwtvmnd=25&
pwtmime=1&pwtplbk=1,2&pwtldly=-1&pwtm_description_url=www.
abc.com&pwtm_sz=640x480&pwtbatr=1,26&owredirect=https%3A%2F%
2Fpubads.g.doubleclick.net%2Fgampad%2Fads%3Fiu%3D%
2F15671365%2FVideohbHack%26description_url%3Dhttp%253A%252F%
252Ftimesofindia.com%3Fpwtv%3D1%26env%3Dvp%26impl%3Ds%
26correlator%3D%26tfcd%3D0%26npa%3D0%26gdfp_req%3D1%
26output%3Dvast%26sz%3D300x250%26max_ad_duration%3D%26url%
3Dhttp%253A%252F%252Ftimesofindia.com%
26unviewed_position_start%3D1%26vpos%3Dpreroll%26vad_type%
3Dnar%26vpmute%3D1%26vpa%3D1

```

## Macro Support

You can also send macros for DFP parameters as query parameters to the video endpoint. For example, sending pwtm\_description\_url=www.test.com would replace the description\_url value in the DFP url, then use the same in constructing the oRTB Video object, and also update the DFP redirect URL with these values.

To send a macro for a given DFP parameter, use query parameter key, pwtm\_<exact DFP parameter name>. For example,

|

```
http://ow.pubmatic.com/openrtb/2.5/video/?
v=1&pwtm_description_url=www.abc.com ....
```

## Debug Support

When a request is made to OpenWrap Video endpoint, it responds with a 302 redirect to the DFP URL. But sometimes, you may want to debug a particular request. You may enable debugging for an OpenWrap video request which would return a JSON response containing debug information. However, an important point to note here is: when debugging is enabled, the usual flow of redirection to DFP URL would **NOT** work and creative would not be rendered.

To enable debugging, you may follow these steps:

1. Use macro to set pwtm\_url query parameter in the Video endpoint dynamically.
2. Add logic to always set page URL in pwtm\_url macro before making a call to Video endpoint. This way any query parameters added to the page URL would be set in pwtm\_url value.
3. When you want to enable debugging, add query parameter pwtvc=1 in the page URL. This would be replaced in the pwtm\_url macro with the above logic and Video endpoint would respond with debug response.

Sample Video endpoint call with pwtm\_url macro along with macros for a few other DFP parameters like sz, vpos, vtype:

```
http://ow.pubmatic.com/openrtb/2.5/video/?
v=1&pubId=5890&profId=1294&pwtmime=1&owredirect=https://puba
ds.g.doubleclick.net/gampad/ads?correlator=19812761&iu=
/15671365
/MG_VideoAdUnit&env=vp&gdfp_req=1&output=vast&sz=640x480&des
cription_url=http%3A%2F%2Fwww.test.com?
pwtv=1&tfc=0&npa=0&vpmute=0&vpa=0&vtype=linear&url=http%3A%
2F%2Fwww.test.com&vpos=preroll&unviewed_position_start=1&pwtm_url=%URL%
&pwtm_sz=%SIZE%&pwtm_vtype=%VTYPE%&pwtm_vpos=%VPOS%
```

Here is a sample code snippet that replaces pwtm\_url macro dynamically with the page URL.

```
< script type = "text/javascript" >

    function makeRequest() {

        var url = document.getElementById
("tag").value;
        var size = document.getElementById
("size").value;
        var vtype = document.getElementById
("vtype").value;
        var vpos = document.getElementById
("vpos").value;

        var pageURL = window.location.
toString();

        url = url.replace("%%URL%%", pageURL);
        url = url.replace("%%SIZE%%", size);
        url = url.replace("%%VTYPE%%", vtype);
        url = url.replace("%%VPOS%%", vpos);

        var xhttp = new XMLHttpRequest();

        xhttp.onreadystatechange = function() {
            if (this.readyState == 4 && this.
status == 200) {
                document.getElementById("op").
innerHTML = this.responseText;
            }
        };

        xhttp.open("GET", url, true);
        xhttp.send();
    }

< /script>
```

## Limitations

OpenWrap for Video Ads does not currently support Companion Ads.

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