



Website Previews API Documentation

v1.0.4

OVERVIEW

The ShrinkTheWeb API is designed such that anyone can code a hook into our system remotely. It is possible to code for making REST calls, .NET calls, AJAX, etc. Currently, however, ShrinkTheWeb supplies and maintains only PHP4 & PHP5 sample code.

Other code may available through the community with development and sharing strongly encouraged. As time permits, we will add to our library of supported code. If you have code to contribute, please let us know and we will give appropriate credit in the community for your efforts!

STW API RESPONSE CODES

Advanced Method

CASES	EXISTS	VERIFIED	ACTION	NOTES
Thumbnail New				
<i>New Request</i>	false	false	noexist	Successfully Queued. Check back later.
Thumbnail Queued				
<i>Pending</i>	false	false	queued	Still in Queue. Check back later.
Thumbnail Captured				
<i>Captured</i>	true	false	delivered	Captured but not verified.
Thumbnail Verified				
<i>Finalized</i>	true	true	delivered	Status verified.
<i>Error External</i>	false	true	noretry	No need to try again.
Bad Request				
<i>General Error</i>	false	false	noretry	Change your request before trying again.
<i>STW Offline</i>	false	false	offline	STW temporarily offline for maintenance.
<i>ANY Access Denied</i>	false	false	fix_and_retry	Change your request before trying again.
Refresh On-Demand				
<i>Refresh Queued</i>	false	false	queued	Successfully Queued. Check back later.
<i>Exists in STW cache</i>	true	false	delivered	Existing capture exists & delivered.

Basically, if the thumbnail exists and we delivered, you'll get "delivered"

If the PagePix service is temporarily offline for maintenance, the thumbnail action will be "offline"

If there is a problem where the domain/request is broken, the thumbnail action will be "noretry"

If there is a problem with your request, the thumbnail action will be "fix_and_retry"

If there is a problem with our capture, the thumbnail action will be "fix_and_retry" and no charge for refreshing



Example XML Response (ready to download)

```
<?xml version="1.0" encoding="UTF-8"?>
<stw:ThumbnailResponse xmlns:stw="http://www.shrinktheweb.com/doc/stwresponse.xsd">
  <stw:Response>
    <stw:ThumbnailResult>
      <stw:Thumbnail
Exists="true">http://images.shrinktheweb.com/xian.php?stwaccesskeyid=
&amp;stw=&amp;subref=&amp;stwq=95&amp;stwxmax=320&amp;hash=</stw:Thumbnail>
      <stw:Thumbnail Verified="true">delivered</stw:Thumbnail>
    </stw:ThumbnailResult>
    <stw:ResponseStatus>
      <stw:StatusCode>Success</stw:StatusCode>
    </stw:ResponseStatus>
    <stw:ResponseTimestamp>
      <stw:StatusCode>1426457959</stw:StatusCode>
    </stw:ResponseTimestamp>
    <stw:ResponseCode>
      <stw:StatusCode>HTTP:200</stw:StatusCode>
    </stw:ResponseCode>
    <stw:CategoryCode>
      <stw:StatusCode></stw:StatusCode>
    </stw:CategoryCode>
    <stw:Quota_Remaining>
      <stw:StatusCode>162</stw:StatusCode>
    </stw:Quota_Remaining>
    <stw:Bandwidth_Remaining>
      <stw:StatusCode>999673</stw:StatusCode>
    </stw:Bandwidth_Remaining>
  </stw:Response>
</stw:ThumbnailResponse>
```

Example XML Response (successfully queued for capture)

```
<?xml version="1.0" encoding="UTF-8"?>
<stw:ThumbnailResponse xmlns:stw="http://www.shrinktheweb.com/doc/stwresponse.xsd">
  <stw:Response>
    <stw:ThumbnailResult>
      <stw:Thumbnail
Exists="false">http://www.shrinktheweb.com/images/nothumb-xlg.jpg</stw:Thumbnail>
      <stw:Thumbnail Verified="false">noexist</stw:Thumbnail>
    </stw:ThumbnailResult>
    <stw:ResponseStatus>
      <stw:StatusCode>Success</stw:StatusCode>
    </stw:ResponseStatus>
    <stw:ResponseTimestamp>
      <stw:StatusCode></stw:StatusCode>
    </stw:ResponseTimestamp>
    <stw:ResponseCode>
      <stw:StatusCode></stw:StatusCode>
    </stw:ResponseCode>
    <stw:CategoryCode>
      <stw:StatusCode></stw:StatusCode>
    </stw:CategoryCode>
```



```
<stw:Quota_Remaining>
  <stw:StatusCode>162</stw:StatusCode>
</stw:Quota_Remaining>
<stw:Bandwidth_Remaining>
  <stw:StatusCode>999672</stw:StatusCode>
</stw:Bandwidth_Remaining>
</stw:Response>
</stw:ThumbnailResponse>
```

Example XML Response (invalid request - BLANK_DETECTED)

```
<?xml version="1.0" encoding="UTF-8"?>
<stw:ThumbnailResponse xmlns:stw="http://www.shrinktheweb.com/doc/stwresponse.xsd">
  <stw:Response>
    <stw:ThumbnailResult>
      <stw:Thumbnail
Exists="false">http://www.shrinktheweb.com/images/baddom-xlg.jpg</stw:Thumbnail>
      <stw:Thumbnail Verified="false">noretry</stw:Thumbnail>
    </stw:ThumbnailResult>
    <stw:ResponseStatus>
      <stw:StatusCode>BLANK_DETECTED</stw:StatusCode>
    </stw:ResponseStatus>
    <stw:ResponseTimestamp>
      <stw:StatusCode>1426469587</stw:StatusCode>
    </stw:ResponseTimestamp>
    <stw:ResponseCode>
      <stw:StatusCode>INVALID_REQUEST</stw:StatusCode>
    </stw:ResponseCode>
    <stw:CategoryCode>
      <stw:StatusCode></stw:StatusCode>
    </stw:CategoryCode>
    <stw:Quota_Remaining>
      <stw:StatusCode>161</stw:StatusCode>
    </stw:Quota_Remaining>
    <stw:Bandwidth_Remaining>
      <stw:StatusCode>999671</stw:StatusCode>
    </stw:Bandwidth_Remaining>
  </stw:Response>
</stw:ThumbnailResponse>
```



Example JSON Response (ready to download)

```
{"exists":"true","image":"http:\\\\images.shrinktheweb.com\\xian.php?stwaccesskeyid=&stwu=&subref=&stwq=95&stwxmax=120&hash=","verified":"true","actionmsg":"delivered","responsecode":"HTTP:200","thumbnailsize":9,"responsestatus":"Success","responsetimestamp":"1460439057","quota_remaining":168,"bandwidth_remaining":994242}
```

Example JSON Response (successfully queued for capture)

```
{"exists":"false","image":"http:\\\\www.shrinktheweb.com\\images\\nothumb-sm.jpg","verified":"false","actionmsg":"noexist","responsecode":null,"thumbnailsize":0,"responsestatus":"Success","responsetimestamp":null,"quota_remaining":168,"bandwidth_remaining":994241}
```

Example JSON Response (invalid request - BLANK_DETECTED)

```
{"exists":"false","image":"http:\\\\www.shrinktheweb.com\\images\\baddom-sm.jpg","verified":"false","actionmsg":"noretry","responsecode":"INVALID_REQUEST","thumbnailsize":1,"responsestatus":"BLANK_DETECTED","responsetimestamp":"1460439126","quota_remaining":168,"bandwidth_remaining":994239}
```

Definitions

Fetch: A request that we already have captured and stored in cache (i.e. not yet deleted by retention)

New Request: A request that we must capture and store

Retention: We store website thumbnails on our storage but delete eventually, if not requested again

Rolling Refresh: Our term for the automatic monthly (30-45 days) refresh of popular requests



Simple Method

REQUEST PARAMETERS	VALUES	NOTES
stwembed		
	1	Tells STW to return raw image data to your web page.*
stwaccesskeyid		
<i>Credentials</i>	[KeyId]	Required for both methods (simple or advanced).
stwsiz		
75x56	mcr	Tells STW to return the "micro" size.
90x68	tny	Tells STW to return the "tiny" size.
100x75	vsm	Tells STW to return the "very small" size.
120x90	sm	Tells STW to return the "small" size.
200x150	lg	Tells STW to return the "large" size.
320x240	xl	Tells STW to return the "extra large" size.
stwad		
{format}	xml json	Tells STW to respond with "XML" or "JSON" for "Advanced Method" API
stwxmax		
{number}	[123]	[OPTIONAL] Omit stwsiz to specify the xmax value explicitly.
stwurl		
URL	[URL]	Tells STW what URL to work on.** (Should <u>ALWAYS</u> come last!)

*It is not "Best Practices" to use &stwembed=1 for scripts or applications. Use the "Advanced Method" API instead. If you try to cache locally with the "Embedded Method", you must check the headers for "404 Not Ready".

**Supports with or without "HTTP" ; Supports "HTTPS" ; Supports with or without "WWW"

Example: &stwurl=http://www.cnn.com OR &stwurl=www.cnn.com OR &stwurl=cnn.com

For PRO Features, please refer to the PRO Feature Documentation PDF for the latest usage guidelines.

Free, Basic service allows homepage and subdomain. Inside pages require the "Inside Page" PRO Feature upgrade.

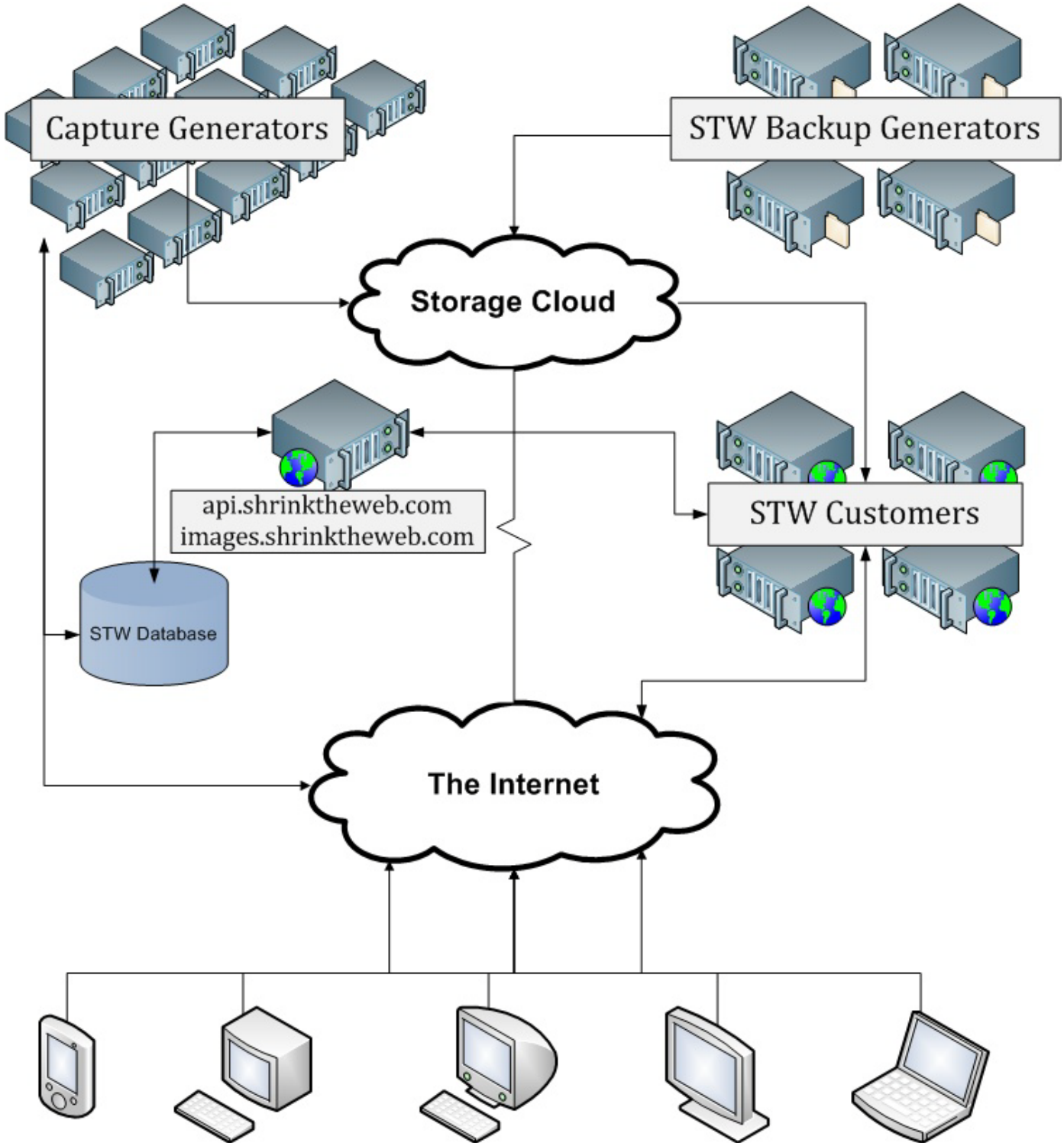
DO NOT send &stwu (Secret Key) with "Simple Method" embedded requests. It will be blocked and return an error.

Tip: Paste your request into a browser with stwembed=0 and &stwu (secret key) in order to get raw XML response.

Pass &stwad=json, BEFORE &stwurl, in order to receive a JSON response instead of the XML default.

Note: You must have your IP on your allowed referrers list, but it will be added automatically with this type of request.

WEBSITE PREVIEWS GENERAL LOGIC FLOWCHART



WEBSITE PREVIEWS DETAILED LOGIC FLOWCHART

