**SinglePlatform Photos API Documentation**

**Introduction**

The SinglePlatform Photos API enables you to retrieve photo URLs for the hundreds of thousands of photos uploaded by merchants to SinglePlatform’s database. All of the photos retrieved through this API have been manually curated, tagged with a photo category, and checked for quality and appropriateness.

**Partner Agreement Considerations**

As a partner of SinglePlatform, you have full rights to these photos to display them however you’d like. Our partners, however, are **prohibited** from redistributing these photos.

As a requisite to receiving access to SinglePlatform’s Photos API, you have agreed to SinglePlatform’s latest Updating Amendment. This requires our partners to update SinglePlatform’s data every 24 hours. To do this most efficiently, our partners make use of the updatedSince parameter in our [Search API](https://singleplatform.jira.com/wiki/display/PubDocs/Publisher+Integration+-+SinglePlatform+REST+API+-+SPv2).

In addition, our partners are required to match and add SinglePlatform’s new locations on the 1st and 15th of every month, at a minimum. Again, using the updatedSince parameter in SinglePlatform’s [Search API](https://singleplatform.jira.com/wiki/display/PubDocs/Publisher+Integration+-+SinglePlatform+REST+API+-+SPv2) will alert our partners of any newly added locations that need to be added / matched to our partners’ web and mobile properties.

Matt Doumar (<mdoumar@singleplatform.com>), SinglePlatform’s product lead, will be available to work with our partners' dev teams to ensure the process of matching / updating / adding locations is as straightforward as possible and in compliance with SinglePlatform's partner agreement.

**Photos API Authentication**

To interact with the Photos API, you must generate a HMAC-SHA1 signature for each HTTP request made to the API. By this point, you should have received a valid and unique {Client ID, Signing Key} pair from SinglePlatform.

1. **Construct the signature base string**
   1. Start with your path for the resource, e.g. /location/test-pizzeria/photos
   2. Append any URL parameters, e.g. ?type=exterior&source=singleplatform

\* Please note, querying by the type and source URL parameters is not available in this beta version.

* 1. Append the Client ID, e.g. &client=cf1v0wbva8k53lbun17ox4vgh

The signature base string should look something like: */location/test-pizzeria/photos?type=exterior&source=singleplatform&client=cf1v0wbva8k53lbun17ox4vgh*

1. **Calculate the signature**
   1. Pass the signature base string and your Signing Key to the HMAC-SHA1 hashing algorithm to generate the key
   2. Base64-encode the generated key
   3. Percent-encode the string

The signature should turn into something like: *XfSxrN3lSK8DGtsiVJndJ9EjwPM%3D*

1. **Append the signature to the URL**

The entire URL should look something like:

[*http://publishing-api.singleplatform.com/location/test-pizzeria/photos?type=exterior&source=singleplatform&client=cf1v0wbva8k53lbun17ox4vgh&signature=XfSxrN3lSK8DGtsiVJndJ9EjwPM%3D*](http://publishing-api.singleplatform.com/location/test-pizzeria/photos?type=exterior&source=singleplatform&client=cf1v0wbva8k53lbun17ox4vgh&signature=XfSxrN3lSK8DGtsiVJndJ9EjwPM%3D)

**The Request**

Base URL: http://publishing-api.singleplatform.com

**Get Photos by Location:** Send HTTP GET request to URL /location/<location\_id>/photos with the following URL parameters.

*height:* the maximum height (in pixels) for photos returned.

*width:* the maximum width (in pixels) for photos returned.

*type:* Including this parameter in your request will filter your results by photo category. SinglePlatform’s categories include interior, exterior, item, logo, or uncategorized. Excluding this parameter in your request will return all photo categories.

*source:* Including this parameter in your request will filter your results by photo source. SinglePlatform’s photo sources include singleplatform and mobile. The ‘singleplatform’ photo source indicates that the photo has been uploaded directly by the merchant. The ‘mobile’ photo source indicates the photo has been uploaded by a consumer via SinglePlatform’s mobile sites. All photos, regardless of the source, have been manually approved for quality and appropriateness.

\* Please note, querying by the type and source URL parameters is not available in this version.

\*\* The *height* and *width* parameters specific the maximum dimensions for **all** photos returned by the request. The photos’ original aspect ratios are maintained, so the final dimensions of photos may be smaller than the specified *height* and *width* parameters.

**Get Photos by Date Added:** Send HTTP GET request to URL /photos/updated\_since with the following URL parameters.

*date:* The date must be in a YYYY-MM-DD format. This would return a response of all photo URLs (and their respective attributes) that have been added/updated since the given date.

*height:* the maximum height (in pixels) for photos returned.

*width:* the maximum width (in pixels) for photos returned.

**The Response**

After the API receives a properly formatted request, it attempts to pass back all photo data for the respective location. The response is a JSON object with a status code and data list.

If there is no error in your request, and the location contains no photos, you will receive an empty data list with a 200 status code.

If there is an error in your request, you will receive an error status code paired an error type and error message.

**Examples**

1. **Querying a location with one photo**

**Request:** /location/landmarc/photos

**Response:**

{

**code**: 200,

**data**:   
[

{

**location\_id**: "landmarc",

**photo\_id**: "2f0b4fe88b3bdea96d1b21a64e67f54c6b21edfd",

**title**: "Landmarc",

**type**: "Logo",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/2f0b4fe88b3bdea96d1b21a64e67f54c6b21edfd.jpg",

**original\_height**: 480,

**original\_width**: 720,

**size**: 52934,

**source**: "singleplatform",

**main\_image**: true

}

]

}

1. **Querying a location with multiple photos**

**Request:** /location/mad-rose-tavern/photos

**Response:**

{

**code**: 200,

**data**:   
[

{

**location\_id**: "mad-rose-tavern",

**photo\_id**: "fcd3747dd03abac5a75875d3d1699dff8c4c1898",

**title**: "mad",

**type**: "Logo",

**url**: "<http://res.cloudinary.com/singleplatform/image/upload/fcd3747dd03abac5a75875d3d1699dff8c4c1898.jpg>",

**original\_height**: 258,

**original\_width**: 387,

**size**: 14204,

**source**: "singleplatform",

**main\_image**: true

},

{

**location\_id**: "mad-rose-tavern",

**photo\_id**: "c6b02892c214e5dfdc2d456aa8bcf40db53c264e",

**title**: "madr",

**type**: "Product",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/c6b02892c214e5dfdc2d456aa8bcf40db53c264e.jpg",

**original\_height**: 434,

**original\_width**: 640,

**size**: 67880,

**source**: "singleplatform",

**main\_image**: false

},

{

**location\_id**: "mad-rose-tavern",

**photo\_id**: "b5be5553db527d5802c9197253e8138e545d0228",

**title**: "madrose",

**type**: "Interior",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/b5be5553db527d5802c9197253e8138e545d0228.jpg",

**original\_height**: 360,

**original\_width**: 594,

**size**: 44594,

**source**: "singleplatform",

**main\_image**: false

},

{

**location\_id**: "mad-rose-tavern",

**photo\_id**: "da3ce282290ea793f9bc36dedf7dbe2323d1aeb6",

**title**: "madroseee",

**type**: "Interior",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/da3ce282290ea793f9bc36dedf7dbe2323d1aeb6.jpg",

**original\_height**: 360,

**original\_width**: 594,

**size**: 22560,

**source**: "singleplatform",

**main\_image**: false

},

{

**location\_id**: "mad-rose-tavern",

**photo\_id**: "0031ef393c6d801b71a6a7db3293607420553b91",

**title**: "madroseeee",

**type**: "Interior",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/0031ef393c6d801b71a6a7db3293607420553b91.jpg",

**original\_height**: 360,

**original\_width**: 594,

**size**: 47063,

**source**: "singleplatform",

**main\_image**: false

},

{

**location\_id**: "mad-rose-tavern",

**photo\_id**: "48f84a4da1714ba335b4cc27b9ee05ba08ad6337",

**title**: "madroseee5",

**type**: "Interior",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/48f84a4da1714ba335b4cc27b9ee05ba08ad6337.jpg",

**original\_height**: 720,

**original\_width**: 482,

**size**: 73581,

**source**: "singleplatform",

**main\_image**: false

}

]

}

1. **Querying a location without photos**

**Request:** /location/south-beach-grill/photos

**Response:**

{

**code**: 200,

**data**: [ ]

}

1. **Querying for photos by date added/updated**

**Request:** /photos/updated\_since?date=2013-04-23

**Response:**

{

**code**: 200,

**data**:   
[

{

**location\_id**: "unum",

**photo\_id**: "5d2ef1347478fab644926f0b3a6fb7a865da048f",

**title**: "",

**type**: "unclassified",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/5d2ef1347478fab644926f0b3a6fb7a865da048f.jpg",

**original\_height**: 1224,

**original\_width**: 1632,

**size**: 286179,

**source**: "singleplatform",

**main\_image**: false

},

{

**location\_id**: "cafe-japengo",

**photo\_id**: "11def24079e4d89752928dae4a22b64b3c79ba83",

**title**: "",

**type**: "unclassified",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/11def24079e4d89752928dae4a22b64b3c79ba83.jpg",

**original\_height**: 1225,

**original\_width**: 825,

**size**: 197311,

**source**: "singleplatform",

**main\_image**: false

},

{

**location\_id**: "pangea-cafe-and-catering",

**photo\_id**: "5c1281a5c50bc57b4b7cde2566fed594eff1f89c",

**title**: "",

**type**: "unclassified",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/5c1281a5c50bc57b4b7cde2566fed594eff1f89c.jpg",

**original\_height**: 1728,

**original\_width**: 1292,

**size**: 310554,

**source**: "singleplatform",

**main\_image**: false

}

]

}

1. **Querying a location for photos and specifying photo dimensions**

**Request:** /location/pizza-express-30/photos?width=700&height=100

**Response:**

{

**code**: 200,

**data**:   
[

{

**location\_id**: "pizza-express-30",

**photo\_id**: "c2d14e47e2a8a7da84eb935905c68680b6fdf614",

**title**: "",

**type**: "Product",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/w\_700,h\_100,c\_fit/c2d14e47e2a8a7da84eb935905c68680b6fdf614.jpg",

**original\_height**: 189,

**original\_width**: 189,

**size**: 13245,

**source**: "singleplatform",

**main\_image**: true

},

{

**location\_id**: "pizza-express-30",

**photo\_id**: "c81e1d25de9f3c5c7d115239377ad51942fbcd13",

**title**: "",

**type**: "Product",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/w\_700,h\_100,c\_fit/c81e1d25de9f3c5c7d115239377ad51942fbcd13.jpg",

**original\_height**: 191,

**original\_width**: 193,

**size**: 11485,

**source**: "singleplatform",

**main\_image**: false

},

{

**location\_id**: "pizza-express-30",

**photo\_id**: "17b5c8d562f4e7f8c4c63133da3dcfdeb1200d21",

**title**: "",

**type**: "Product",

**url**: "http://res.cloudinary.com/singleplatform/image/upload/w\_700,h\_100,c\_fit/17b5c8d562f4e7f8c4c63133da3dcfdeb1200d21.jpg",

**original\_height**: 191,

**original\_width**: 194,

**size**: 11710,

**source**: "singleplatform",

**main\_image**: false

}

]

}

**Questions & API Support**

Please reach out to Matt Doumar with any questions or feedback.

Email: [mdoumar@singleplatform.com](mailto:mdoumar@singleplatform.com)

Phone: 561.346.5661