**OptimusQ-BGU API’s Documentation**

**Creative - Get**

GET https://optimusqbgu.azurewebsites.net/api/managementservice

**URI Parameters**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **In** | **Required** | **Type** | **Description** |

**Request Body**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Required** | **Type** | **Description** |
| stock | True | String | Image repository. Must be either “pixable” or “shutterstock” |
| landingPage | True | String | Valid landing page URL |
| imageServiceProperties | False | [ImagePropertiesPixable](#ImagePropertiesPixable)/ [ImagePropertiesShutterstock](#ImagePropertiesShutterstock) | Any additional requirements for the images |
|  |  |  |  |

**ImagePropertiesPixable**

|  |  |  |
| --- | --- | --- |
| **Parameter** | *Type* | Description |
| **q** | *str* | A URL encoded search term. If omitted, *all images* are returned. This value may not exceed 100 characters. Example: "yellow+flower" |
| **lang** | *str* | [Language code](https://en.wikipedia.org/wiki/List_of_ISO_639-1_codes) of the language to be searched in. Accepted values: cs, da, de, en, es, fr, id, it, hu, nl, no, pl, pt, ro, sk, fi, sv, tr, vi, th, bg, ru, el, ja, ko, zh Default: "en" |
| **id** | *str* | Retrieve individual images by ID. |
| **image\_type** | *str* | Filter results by image type. Accepted values: "all", "photo", "illustration", "vector" Default: "all" |
| **orientation** | *str* | Whether an image is wider than it is tall, or taller than it is wide. Accepted values: "all", "horizontal", "vertical" Default: "all" |
| **category** | *str* | Filter results by category. Accepted values: backgrounds, fashion, nature, science, education, feelings, health, people, religion, places, animals, industry, computer, food, sports, transportation, travel, buildings, business, music |
| **min\_width** | *int* | Minimum image width. Default: "0" |
| **min\_height** | *int* | Minimum image height. Default: "0" |
| **colors** | *str* | Filter images by color properties. A comma separated list of values may be used to select multiple properties. Accepted values: "grayscale", "transparent", "red", "orange", "yellow", "green", "turquoise", "blue", "lilac", "pink", "white", "gray", "black", "brown" |
| **editors\_choice** | *bool* | Select images that have received an [Editor's Choice](https://pixabay.com/editors_choice/) award. Accepted values: "true", "false" Default: "false" |
| **safesearch** | *bool* | A flag indicating that only images suitable for all ages should be returned. Accepted values: "true", "false" Default: "false" |
| **order** | *str* | How the results should be ordered. Accepted values: "popular", "latest" Default: "popular" |
| **page** | *int* | Returned search results are paginated. Use this parameter to select the page number. Default: 1 |
| **per\_page** | *int* | Determine the number of results per page. Accepted values: 3 - 200 Default: 20 |
| **callback** | *string* | JSONP callback function name |
| **pretty** | *bool* | Indent JSON output. This option should not be used in production. Accepted values: "true", "false" Default: "false" |

**ImagePropertiesShutterstock**

| **Parameter** | *Type* | Description |
| --- | --- | --- |
| added\_date | string | Show images added on the specified date  Format: YYYY-MM-DD Example: 2020-05-29 |
| added\_date\_end | string | Show images added before the specified date  Format: YYYY-MM-DD Example: 2020-05-29 |
| added\_date\_start | string | Show images added on or after the specified date  Format: YYYY-MM-DD Example: 2020-05-29 |
| aspect\_ratio | number | Show images with the specified aspect ratio, using a positive decimal of the width divided by the height, such as 1.7778 for a 16:9 image |
| aspect\_ratio\_max | number | Show images with the specified aspect ratio or lower, using a positive decimal of the width divided by the height, such as 1.7778 for a 16:9 image |
| aspect\_ratio\_min | number | Show images with the specified aspect ratio or higher, using a positive decimal of the width divided by the height, such as 1.7778 for a 16:9 image |
| category | string | Show images with the specified Shutterstock-defined category; specify a category name or ID |
| color | string | Specify either a hexadecimal color in the format '4F21EA' or 'grayscale'; the API returns images that use similar colors |
| contributor | [string] | Show images with the specified contributor names or IDs, allows multiple |
| contributor\_country | [string] | Show images from contributors in one or more specified countries, or start with NOT to exclude a country from the search  One of these formats:   * Format: A two-character (ISO 3166 Alpha-2) country code Example: US * Format: A NOT followed by a two-character (ISO 3166 Alpha-2) country code Example: NOT US |
| fields | string | Fields to display in the response; see the documentation for the fields parameter in the overview section |
| height\_from | integer | Show images with the specified height or larger, in pixels |
| height\_to | integer | Show images with the specified height or smaller, in pixels |
| image\_type | [string] | Show images of the specified type  Valid values: photo, illustration, vector |
| keyword\_safe\_search | boolean | Hide results with potentially unsafe keywords  Default: true |
| language | [Language](https://api-reference.shutterstock.com/#schema-language) | Set query and result language (uses Accept-Language header if not set) |
| license | [string] | Show only images with the specified license  Default: [commercial]  Valid values: commercial, editorial, enhanced |
| model | [string] | Show image results with the specified model IDs |
| orientation | string | Show image results with horizontal or vertical orientation  Valid values: horizontal, vertical |
| page | integer | Page number  Minimum: 1  Default: 1 |
| people\_age | string | Show images that feature people of the specified age category  Valid values: infants, children, teenagers, 20s, 30s, 40s, 50s, 60s, older |
| people\_ethnicity | [string] | Show images with people of the specified ethnicities, or start with NOT to show images without those ethnicities  Valid values: african, african\_american, black, brazilian, chinese, caucasian, east\_asian, hispanic, japanese, middle\_eastern, native\_american, pacific\_islander, south\_asian, southeast\_asian, other, NOT african, NOT african\_american, NOT black, NOT brazilian, NOT chinese, NOT caucasian, NOT east\_asian, NOT hispanic, NOT japanese, NOT middle\_eastern, NOT native\_american, NOT pacific\_islander, NOT south\_asian, NOT southeast\_asian, NOT other |
| people\_gender | string | Show images with people of the specified gender  Valid values: male, female, both |
| people\_model\_released | boolean | Show images of people with a signed model release |
| people\_number | integer | Show images with the specified number of people  Maximum: 4 |
| per\_page | integer | Number of results per page  Maximum: 500  Default: 20 |
| query | string | One or more search terms separated by spaces; you can use NOT to filter out images that match a term |
| region | string | Raise or lower search result rankings based on the result's relevance to a specified region; you can provide a country code or an IP address from which the API infers a country  One of these formats:   * Format: A two-character (ISO 3166 Alpha-2) country code Example: US * Format: A valid IPv4 address Example: 1.1.1.1 |
| safe | boolean | Enable or disable safe search  Default: true |
| sort | string | Sort by  Default: popular  Valid values: newest, popular, relevance, random |
| spellcheck\_query | boolean | Spellcheck the search query and return results on suggested spellings  Default: true |
| view | string | Amount of detail to render in the response  Default: minimal  Valid values: minimal, full |
| width\_from | integer | Show images with the specified width or larger, in pixels |
| width\_to | integer | Show images with the specified width or smaller, in pixels |
| height | integer | (Deprecated; use height\_from and height\_to instead) Show images with the specified height |
| width | integer | (Deprecated; use width\_from and width\_to instead) Show images with the specified width |

## Responses

|  |  |  |
| --- | --- | --- |
| **Name** | *Type* | Description |
| 200 OK | [Creative](#_Creative) | OK response definition. |

## Creative

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| title | String | Suggested title for the creative |
| description | String | Suggested creative for the creative |
| keywords | String[] | Keywords extracted from the landing page |
| images | String[] | Suggested images for the creative |

## Examples

**Example 1:**

GET https://optimusqbgu.azurewebsites.net/api/managementservice

Request Body:

{

    "stock": "shutterstock",

    "landingPage": "https://www.bbc.com/storyworks/clear-sky-thinking-airbus-2021/airbus-2021-clear-sky-thinking-?utm\_source=taboola&utm\_medium=native&tblci=GiDbJRndUImP9rc80Mls7KW1gFpDdEMCGlkTelmGFUrFzyCLjFQojKLYzprtvuKHAQ#tblciGiDbJRndUImP9rc80Mls7KW1gFpDdEMCGlkTelmGFUrFzyCLjFQojKLYzprtvuKHAQ"

}

**Sample Response:**

**Status code: 200**

{

    "title": "Clear Sky Thinking  | Clear Sky Thinking, Airbus 2021 | BBC StoryWorks",

    "description": "Cannot extract description",

    "keywords": [

        "airbus",

        "hydrogen",

        "global",

        "aviation",

        "aircraft",

        "saf",

        "towing vehicles",

        "semi-robotic towing",

        "emissions",

        "aerospace",

        "industry",

        "air",

        "solutions",

        "energy",

        "sustainable",

        "sustainable aviation",

        "airbus summit",

        "fuel",

        "aircraft taxi",

        "airbus recently"

    ],

    "images": {

        "airbus": [

            "https://image.shutterstock.com/display\_pic\_with\_logo/228984501/1889697850/stock-photo-zoom-photo-of-airbus-a-passenger-airplane-taking-off-in-deep-blue-sky-and-beautiful-clouds-1889697850.jpg"

        ],

        "hydrogen": [

            "https://image.shutterstock.com/display\_pic\_with\_logo/301517351/1739405825/stock-vector-hydrogen-tank-icon-simple-outline-colored-vector-of-sustainable-energy-icons-for-ui-and-ux-1739405825.jpg"

        ],

        "global": [

            "https://image.shutterstock.com/display\_pic\_with\_logo/162718586/287193896/stock-photo-close-up-of-businessman-hand-showing-texture-the-world-with-digital-social-media-network-diagram-287193896.jpg"

        ],

        "aviation": [

            "https://image.shutterstock.com/display\_pic\_with\_logo/250738318/1859181214/stock-photo-wide-shot-of-engineers-assembling-an-engine-of-a-passenger-jet-at-a-hangar-1859181214.jpg"

        ],

        "aircraft": [

            "https://image.shutterstock.com/display\_pic\_with\_logo/250738318/1859178628/stock-photo-wide-shot-of-an-engineer-repairing-the-wing-of-a-passenger-jet-at-a-hangar-1859178628.jpg"

        ]

    }

}

**Example 2:**

{

    "stock": "pixable",

    "landingPage": "https://www.bbc.com/storyworks/clear-sky-thinking-airbus-2021/airbus-2021-clear-sky-thinking-?utm\_source=taboola&utm\_medium=native&tblci=GiDbJRndUImP9rc80Mls7KW1gFpDdEMCGlkTelmGFUrFzyCLjFQojKLYzprtvuKHAQ#tblciGiDbJRndUImP9rc80Mls7KW1gFpDdEMCGlkTelmGFUrFzyCLjFQojKLYzprtvuKHAQ",

    "imageServiceProperties": {

        "colors": "yellow"

    }

}

**Sample response:**

**Status code: 200**

{

    "title": "Clear Sky Thinking  | Clear Sky Thinking, Airbus 2021 | BBC StoryWorks",

    "description": "Cannot extract description",

    "keywords": [

        "airbus",

        "hydrogen",

        "global",

        "aviation",

        "aircraft",

        "saf",

        "towing vehicles",

        "semi-robotic towing",

        "emissions",

        "aerospace",

        "industry",

        "air",

        "solutions",

        "energy",

        "sustainable",

        "sustainable aviation",

        "airbus summit",

        "fuel",

        "aircraft taxi",

        "airbus recently"

    ],

    "images": {

        "global": [

            "https://pixabay.com/get/g59d2167199df77c6ffbc8652ca9275ee935a4658658ccd567c872a9a6e7c47a8cf9c42b8d98760fdafb3e2f096efdcd552c2bbed0e6aa03840869f8d40dfabdd\_640.jpg"

        ],

        "aircraft": [

            "https://pixabay.com/get/ga8d5a8c3834746436ee881e00049e7889ff67506b4c8f4f547e3a7521ca16e8e93918a262de637095e6af820590fe22732675474330c006ec9142e7126d9914e\_640.jpg"

        ],

        "industry": [

            "https://pixabay.com/get/g354bfcd0b17c0d57c934e40df21335154a9c2acdbaf74bc7060a0b7d6b39beee3b6bbd11ddb33bf129668dfcaafb38a27a24e60b6f9fbbec8741f0e4432d12c8\_640.jpg"

        ],

        "air": [

            "https://pixabay.com/get/gd9a224e48b572b0b85dd1b51a1572111269b0c5d975d17fa5249de5e8843261657054168aaacf87973bd57e7f5277613bf9acf50674c7c4e0fe4fe3dfaaf9403\_640.jpg"

        ],

        "solutions": [

            "https://pixabay.com/get/g1b10f4570c1c95e2d14380bf730ac9afd4a790c200c579bf637b20e3623372ce74786ecb666191f925c40955932ea8384bc6418fbe7f5db26650fca264358fe6\_640.jpg"

        ]

    }

}