

PhotoAI API

USAGE FLOW:

1. Send request to optimize images.
 - a. Receive a response with token
2. Periodically send token to server
 - a. Receive a status of request
 - b. Alternatively, you can get the list of requests and tokens
3. When status is complete, make the final request with the token
4. Receive a full processed response.
5. Images will be hosted at the new "modifiedUrl" for you to download for 7 days.

Note: You can have many requests queued at same time, so there is no need to wait for one to finish before sending subsequent requests.

Individual requests should be limited to 1,000 images at a time for optimal efficiency. The processing time for a batch of 1,000 images is approximately 20 minutes

User Credentials:

username: **<these values will be given in a different document>**

password: **<these values will be given in a different document>**

All requests must include basic authentication in the header

For example, using cURL you can set basic authentication with:

```
curl -u username:password
```

1. SUBMIT REQUESTS

Host - <https://photoai.lotlinx.com>

POST /images/optimize

POST body must be in one of the following format(s):

For a single dealer:

```
{
  "dealerId":<dealerId>,
  "vehicles":[
    {
      "id": <vehicle id>,
      "images" : [
        {
          "imageId": <image id>,
          "imageUrl": "<image url>"
        },
        ...
      ]
    },
    ...
  ]
}
```

For multiple dealers:

```
[
  {
    "dealerId":<dealerId>,
    "vehicles":[
      {
        "id": <vehicle id>,
        "images" : [
          {
            "imageId": <image id>,
            "imageUrl": "<image url>"
          },
          ...
        ]
      },
      ...
    ]
  },
  ...
]
```

Will return response in the following format:

```
{
  "data": [
    {
      "token": "<request token>",
      "status": "<request status>"
    }
  ],
  "status": 200
}
```

On errors, will return:

```
{
  "meta": {
    "errorMsg": "<description of issue>",
    ...
  },
  "status": <server status code>
}
```

SAMPLE REQUEST:

POST BODY

```
[
  {
    "dealerId":12345,
    "vehicles":[
      {
        "id": 55,
        "images" : [
          {
            "imageId": 91,
            "imageUrl":"https://img.lotlinx.com/...273984882.jpg"
          },
          {
            "imageId": 92,
            "imageUrl":"https://img.lotlinx.com/...273984883.jpg"
          }
        ]
      }
    ]
  }
]
```

SAMPLE RESPONSE:

```
{
  "data": [
    {
      "token": "6BAhiEJVD1GuWEj9ncrglZJoGzieB1HBmBNdnjD3BQvWjXKVYvdCuB23DUsl1234",
      "status": "queued"
    }
  ],
  "status": 200
}
```

2. CHECK STATUS

Host - <https://photoai.lotlinx.com>

GET /images/<token>/status

Will return response in the following format:

```
{
  "data": [
    {
      "token": "<request token>",
      "status": "<request status>"
    }
  ],
  "status": 200
}
```

Where <request status> will be one of:

queued

complete

failed

- A **queued** request is still waiting to be processed.
- A **complete** request is finished, and can be called.
- A **failed** request must be called again to restart.

2b. GET REQUESTS

Host - <https://photoai.lotlinx.com>

GET /images/requests

QUERY PARAMETERS:

startDate=<date>

Get requests entered after a specific date

"<date>" should be in "yyyy-MM-dd'T'HH:mm:ss" format, ie

startDate=2018-01-28T01:22:33

status=<status>

Get requests with the specified status

"<status>" should be one of "complete", "failed", or "queued", ie

status=queued

Example url :

<https://photoai.lotlinx.com/images/requests?status=complete&startDate=2018-01-28T01:22:33>

Will return all your request tokens entered since January 1st, 2018 at 1:22:33 AM UTC that have a status of complete.

SAMPLE RESPONSE:

```
{
  "data": [
    {
      "token": "ywKYsFJ0K3owppaYZ7CdPgkue5cpFMe8DyvUCNimBOM59g4V6T76Hp4pClFjo3gw",
      "status": "complete"
    },
    {
      "token": "yXKiB16dI8odDu02HbteUiWZQQ2oZJlE7g9KL3B0e0CQCOPtF2X3nbHZHTExtY5W",
      "status": "complete"
    },
    {
      "token": "zCMQ5UL88PjHZ3m10VFOY5v1LLZQgTGY70Zst2xmEYpGkP5IbA9zpN1pOpmPmxJ",
      "status": "complete"
    },
    {
      "token": "zED0GiIQKmlu1eqy5efC6noxt39zq6QFVRvAlp4dWyZNB1YxeVCXqujV2bmm9Cg",
      "status": "complete"
    },
    {
      "token": "ZT7iUdYaxoZiRBuAJUeIrs0QSG3XAEuzHRDiFx02qrAG59KseU15HiIrFMArKMKb",
      "status": "failed"
    },
    {
      "token": "ZTrm6fyAKkAeaT0V9CPXBdikzywgmSTBTv4VXEKIzJobQUcH4YSmuIZcV8IMJFs",
      "status": "complete"
    },
    {
      "token": "zuWgEzdqsPitr3ai7sRUx96VKrfb1gomObWbSK0IdvFCzyULB7QtyTFpzmZT2M2F",
      "status": "queued"
    }
  ],
  "status": 200
}
```


3. LOAD RESPONSE

Host - <https://photoai.lotlinx.com>

GET /images/<token>

Will return JSON in the following format:

```
{
  "data": [
    {
      "dealerId": <dealer id>,
      "vehicles": [
        {
          "id": <vehicle id>,
          "images": [
            {
              "imageId": <image id>,
              "imageUrl": "<original image url>",
              "modifiedUrl": "<optimized image url>",
              "classification": "<image classification>",
              "color": [
                <red value>,
                <green value>,
                <blue value>
              ],
              "points": [
                [
                  <x position>,
                  <y position>
                ],
                [
                  <x position>,
                  <y position>
                ]
              ]
            },
            ...
          ]
        },
        ...
      ]
    },
    ...
  ],
  "status": 200
}
```

SAMPLE RESPONSE:

```
"data": [  
  {  
    "dealerId": 12345,  
    "vehicles": [  
      {  
        "id": 55,  
        "images": [  
          {  
            "imageId": 91,  
            "imageUrl": "https://img.lotlinx.com/...13687_273984882.jpg",  
            "modifiedUrl": "http://lotlinx-ml-images.s3.amazonaws.com/...273984882.png",  
            "classification": "front_3_quarter",  
            "color": [  
              142,  
              46,  
              46  
            ],  
            "points": [  
              [  
                0,  
                0  
              ],  
              [  
                300,  
                225  
              ]  
            ]  
          },  
          {  
            "imageId": 92,  
            "imageUrl": "https://img.lotlinx.com/...273984883.jpg",  
            "modifiedUrl": "http://lotlinx-ml-images.s3.amazonaws.com/...273984883.png",  
            "classification": "rear_3_quarter",  
            "color": [  
              110,  
              46,  
              46  
            ],  
            "points": [  
              [  
                0,  
                0  
              ],  
              [  
                640,  
                480  
              ]  
            ]  
          }  
        ]  
      }  
    ]  
  }  
]
```

```
    ]
  }
]
},
{
  "id": 56,
  "images": [
    {
      "imageId": 94,
      "imageUrl": "https://img.lotlinx.com/...291987639.jpg",
      "modifiedUrl": "http://lotlinx-ml-images.s3.amazonaws.com/...291987639.png",
      "classification": "side",
      "color": [
        206,
        206,
        206
      ],
      "points": [
        [
          0,
          0
        ],
        [
          640,
          480
        ]
      ]
    }
  ]
}
]
}
],
},
{
  "dealerId": 908,
  "vehicles": [
    {
      "id": 123,
      "images": [
        {
          "imageId": 100,
          "imageUrl": "https://img.lotlinx.com/...283768721.jpg",
          "modifiedUrl": "http://lotlinx-ml-images.s3.amazonaws.com/...283768721.png",
          "classification": "front_3_quarter",
          "color": [
            15,
            15,
            238
          ],
          "points": [
            [
```

```
        0,
        0
    ],
    [
        640,
        360
    ]
]
},
{
    "imageId": 101,
    "imageUrl": "https://img.lotlinx.com/...283768721.jpg",
    "modifiedUrl": "http://lotlinx-ml-images.s3.amazonaws.com/...283768721.png",
    "classification": "front_3_quarter",
    "color": [
        15,
        15,
        142
    ],
    "points": [
        [
            0,
            0
        ],
        [
            640,
            360
        ]
    ]
},
{
    "imageId": 102,
    "imageUrl": "https://img.lotlinx.com/...283768721.jpg",
    "modifiedUrl": "http://lotlinx-ml-images.s3.amazonaws.com/...283768721.png",
    "classification": "front_3_quarter",
    "color": [
        15,
        15,
        46
    ],
    "points": [
        [
            0,
            0
        ],
        [
            640,
            360
        ]
    ]
}
```

```
    }  
  ]  
}  
]  
}  
],  
"status": 200  
}
```


