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Base64 Encoding

You can provide image data to the Vision API by specifying the URI path to the image, or by sending the image data as base64-encoded text.

Most development environments contain a native "base64" utility to encode a binary image into ASCII text data. To encode an image file:

```
LINUX  MAC OSX  WINDOWS  MORE ▾  
$ base64 input.jpg > output.txt
```

You can then use this output image data natively within the JSON request:

```
{  
  "requests": [  
    {  
      "image": {  
        "content": "BASE64_ENCODED_DATA"  
      },  
      "features": [  
        {  
          "type": "LABEL_DETECTION",  
          "maxResults": 1  
        }  
      ]  
    }  
  ]  
}
```

Each programming language has its own way of base64 encoding image files:

```
PYTHON  NODE.JS  JAVA  GO  
In Python, you can base64-encode image files as follows:  
  
# Import the base64 encoding library.  
import base64
```

```
# Pass the image data to an encoding function.  
def encode_image(image):  
    image_content = image.read()  
    return base64.b64encode(image_content)
```

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