image_cont

March 4, 2025

```python
import os

from azure.ai.contentsafety import ContentSafetyClient
from azure.ai.contentsafety.models import AnalyzeImageOptions, ImageData,
 ↪ImageCategory
from azure.core.credentials import AzureKeyCredential
from azure.core.exceptions import HttpResponseError

def analyze_image(img_path):
    image_path = img_path

    # Create an Azure AI Content Safety client
    client = ContentSafetyClient(endpoint, AzureKeyCredential(key))


    # Build request
    with open(image_path, "rb") as file:
        request = AnalyzeImageOptions(image=ImageData(content=file.read()))

    # Analyze image
    try:
        response = client.analyze_image(request)
    except HttpResponseError as e:
        print("Analyze image failed.")
        if e.error:
            print(f"Error code: {e.error.code}")
            print(f"Error message: {e.error.message}")
            raise
        print(e)
        raise

    hate_result = next(item for item in response.categories_analysis if item.
 ↪category == ImageCategory.HATE)
    self_harm_result = next(item for item in response.categories_analysis if
 ↪item.category == ImageCategory.SELF_HARM)
    sexual_result = next(item for item in response.categories_analysis if item.
 ↪category == ImageCategory.SEXUAL)
```

```python
    violence_result = next(item for item in response.categories_analysis if␣
 ↪item.category == ImageCategory.VIOLENCE)

    if hate_result:
        print(f"Hate severity: {hate_result.severity}")
    if self_harm_result:
        print(f"SelfHarm severity: {self_harm_result.severity}")
    if sexual_result:
        print(f"Sexual severity: {sexual_result.severity}")
    if violence_result:
        print(f"Violence severity: {violence_result.severity}")
```

Self Harm Example

```python
[15]: # self harm example
      analyze_image("self_harm.jpg")
```

```
Hate severity: 0
SelfHarm severity: 6
Sexual severity: 0
Violence severity: 2
```

Violence Example

```python
[16]: # violence example
      analyze_image("violence.jpg")
```

```
Hate severity: 0
SelfHarm severity: 0
Sexual severity: 0
Violence severity: 0
```

```python
[ ]:
```