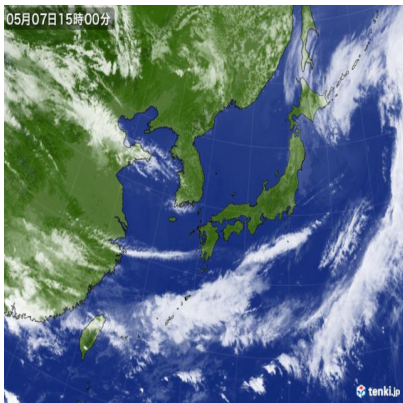




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Description

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```
import requests
from bs4 import BeautifulSoup
import time
import os

# JMAの天気予報を取得するURL
JMA_URL = "https://tenki.jp/satellite/japan-near/"

# 保存ディレクトリを作成
SAVE_DIR = "./himawari_images"
os.makedirs(SAVE_DIR, exist_ok=True)

def get_latest_image_url():
    try:
        # 天気予報ページを取得
        response = requests.get(JMA_URL, verify=False)
        response.raise_for_status()
        soup = BeautifulSoup(response.text, "html.parser")

        # HTMLから最新の衛星画像のURLを取得
        # 画像のURLは、HTMLの<img>タグのsrc属性から取得
        image_url = None
        elems = soup.find_all("img")
        for img in elems:
            if img.get("id") == "satellite-image":
                image_url = img["src"]
                break
    except Exception as e:
        print(f"Error: {e}")

# 最新の衛星画像のURLを取得
latest_image_url = get_latest_image_url()

# 画像をダウンロード
if latest_image_url:
    response = requests.get(latest_image_url, verify=False)
    response.raise_for_status()
    image_data = response.content

    # 画像を保存
    image_filename = f"{latest_image_url.split('/')[-1]}.png"
    with open(os.path.join(SAVE_DIR, image_filename), "wb") as f:
        f.write(image_data)
    print(f"Image saved to {os.path.join(SAVE_DIR, image_filename)}")
else:
    print("No image URL found.")
```

```
if image_url:
    # ç?_â¼ã??ã?¹ã??çµ¶â¼URLã•«â?æ•?
    if image_url.startswith("//"):
        image_url = "https:" + image_url
    return image_url
else:
    print("ç?»â?•URLã??â?•?â¼?ã•§ã••ã•¼ã•?ã??ã•§ã•?ã•?ã??")
    return None
except Exception as e:
    print(f"â?¨â?©â?¼: {e}")
    return None

def download_image(url, filename):
    try:
        response = requests.get(url)
        response.raise_for_status()
        with open(filename, "wb") as f:
            f.write(response.content)
        print(f"ç?»â?•ã??ä¿•â¿ã•?ã•¼ã•?ã?: {filename}")
    except Exception as e:
        print(f"ç?»â?•ã??ã?|ã?³ã?ã?¼ã??ã?¨â?©â?¼: {e}")

def main():
    while True:
        image_url = get_latest_image_url()
        if image_url:
            # ç•¼â?¨æ?¥æ??ã??ã??ã?jã?ªã?«â••ã•«â•«ã?•ã??
            timestamp = time.strftime("%Y%m%d_%H%M%S")
            filename = os.path.join(SAVE_DIR, f"himawari_{timestamp}.jpg")
            download_image(image_url, filename)
        else:
            print("ç?»â?•â?•?â¼?ã•«â±æ??ã?•?ã•¼ã•?ã•?ã??")
            # 10â??ã?•?ã•¨â•«â@?èj?i¼?é•©â@?èªæ?´i¼?
            time.sleep(600)

if __name__ == "__main__":
    main()
```

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Tags

- AI
- LLM
- Python
- Raspberry NOAA
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Date Created
2025å'5æ??7æ?¥

Author
kazuo-tsubaki

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