

# Function Compute and OSS Integration

## Code

```
# -*- coding: utf-8 -*-
import oss2
import requests
import logging
import os

def handler(event, context):
    # Configuration
    # model_url = "https://huggingface.co/TheBloke/Mistral-7B-Instruct-v0.2-GGUF/resolve/main/mistral-7b-inst"

    model_url = "https://storage.googleapis.com/lzwjava1/ss_urls.txt"
    oss_bucket_name = "lzw-download" # Your bucket name
    oss_endpoint = "oss-cn-hangzhou.aliyuncs.com" # Public endpoint

    try:
        # Use the provided role ARN to create the auth object
        role_arn = "acs:ram::1768386076294612:role/fc"
        auth = oss2.Auth(
            os.environ['ALIBABA_CLOUD_ACCESS_KEY_ID'],
            os.environ['ALIBABA_CLOUD_ACCESS_KEY_SECRET']
        )

        sts_auth = oss2.StsAuth(
            os.environ['ALIBABA_CLOUD_ACCESS_KEY_ID'],
            os.environ['ALIBABA_CLOUD_ACCESS_KEY_SECRET'],
            os.environ['ALIBABA_CLOUD_SECURITY_TOKEN']
        )

        # 2. Initialize OSS client with proper endpoint
        bucket = oss2.Bucket(
            sts_auth,
            oss_endpoint,
            oss_bucket_name
        )

        # 3. Stream download & upload
```

```

logging.info("Starting download...")
with requests.get(model_url, stream=True) as response:
    response.raise_for_status()

    # Upload to OSS
    result = bucket.put_object(
        'models/mistral-7b-instruct-v0.2.Q4_K_M.gguf',
        response.iter_content(chunk_size=1024*1024)
    )

if result.status == 200:
    logging.info("Upload succeeded!")
    return "Success"
else:
    raise Exception(f"OSS upload failed: {result.status}")

except Exception as e:
    logging.error(f"Error: {str(e)}")
    raise e

```

## Error

We encountered the same error as before. It appears a VPN is required to complete this task.

```

2025-01-24 17:43:342025-01-24 17:43:34 1-679360a6-154b432a-15cadcce0c27 ERROR { "errorMessage" : "HTTPSConnectionPool(host= 'huggingface.co' , port=443): Max retries exceeded with url: /TheBloke/Mistral-7B-Instruct-v0.2-GGUF/resolve/main/mistral-7b-instruct-v0.2.Q4_K_M.gguf (Caused by NewConnectionError( '<urllib3.connection.HTTPSConnection object at 0x7f7d3c289f60>: Failed to establish a new connection: [Errno 101] Network is unreachable' ))"

```