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import boto3
from flask import Flask, jsonify, request
import time

app = Flask(__name__)

# Dictionary to store distribution IDs
distribution_ids = {"api": "E2FEAOV0WNFROQ", "domain": "E48YW4L8R3IT6"}

@app.route("/clear_cache", methods=["GET", "POST"])
def clear_cache():
    if request.method == "POST":
        invalidation_path = request.args.get("path")
        distribution_id_key = request.args.get("distribution_id")
        print(type(invalidation_path))
        if not invalidation_path or not distribution_id_key:
            return (
                jsonify({"error": "Invalid request, 'path' and 'distribution_id' parameters are missing"}),
                400,
            )
        if distribution_id_key not in distribution_ids:
            return (
                jsonify({"error": "Invalid distribution_id"}),
                400,
            )

        client = boto3.client("cloudfront")
        paths = [invalidation_path]

        response = client.create_invalidation(
            DistributionId=distribution_ids[distribution_id_key],
            InvalidationBatch={
                "Paths": {"Quantity": 1, "Items": paths},
                "CallerReference": str(time.time()).replace(".", ""),
            },
        )

        return jsonify(
            {
                "message": "Cache cleared successfully",
                "invalidation_id": response["Invalidation"]["Id"]
            }
        )

if __name__ == "__main__":
    app.run(debug=True)

```