

# Configure Umbrella Geo-Location Support for Google Work

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## Introduction

This document describes how Umbrella's geo-location supports Google Work.

## Problem

Umbrella utilizes [anycast routing](#). When you configure your network to send traffic to the Umbrella servers, your traffic could be routed through any of the locations listed on our [System Status page](#), depending on geographical distance, peering, congestion, and other measures.

Some websites and content delivery networks provide different results based on the IP-Geolocation they detect for the user. Using Umbrella can affect the geo-location results you receive. The behaviour encountered depends primarily on the Umbrella Data Center location that the traffic arrives from. As a result, some websites do not display pages that match where the user is located geographically. For example, a user in Italy might be routed to our Frankfurt datacenter, resulting in websites displaying in German instead of Italian.

## Solution

Umbrella SWG supports geo-location pass-through for many services, including Google. Umbrella inserts the customer's source IP into proxied HTTP requests using X-Forwarded-For (XFF) or Forwarded headers. Any site that honors XFF headers use the customer's geolocation instead of the Umbrella data center's geolocation.

This is automatic and requires no configuration.

### Requirements:

- HTTPS decryption must be enabled in the Umbrella web policy
- Destination website must honor XFF headers

### Supported connection types:

- AnyConnect, proxy chaining, PAC file, or IPsec tunnel

### Unsupported connection types:

- [Meraki Cloud On-Ramp](#)



**Note:** If you are experiencing issues confirm that all requirements are met, and then check the geolocation of your IP address using a service such as [MaxMind](#) or [IP2Location](#).

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