

# Permit Compatibility between Umbrella Roaming Client and DNSMasq

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## Introduction

This document describes the compatibility considerations between Umbrella Roaming Client and DNSMasq.

## Overview

Umbrella Roaming Client and [DNSMasq](#) both use port 53 for DNS and compete for the same resources. These two services are incompatible with each other.

## Compatibility Details

Umbrella Roaming Client functions as a DNS proxy server, listening on 127.0.0.1 (localhost) port 53. Any other service, such as DNSMasq, that attempts to listen on the same port creates a conflict. Running both services on the same system is not supported.

- Only one service can operate on port 53 at a time.
- If both DNSMasq and Umbrella Roaming Client are installed, only one can function, usually whichever service starts first.

## Recommended Action

You must choose to use either the Umbrella Roaming Client or DNSMasq, but not both, to avoid DNS conflicts on port 53.