Understand the Difference of Internal and External Domain Lists

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Introduction

This document describes the differences between Internal Domain lists and External Domain lists in Umbrella.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on Umbrella Roaming Client.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Overview

After introducing the Umbrella SIG solution, Umbrella added the concept of the External Domain list. This article explains the difference between the Internal domains list and the External domains list.

Internal Domain List

For all the domains that are added to the Internal Domain list, the DNS queries are sent through the local network's DNS servers. These domains are bypassing the Roaming devices and the Virtual appliances to resolve using the configured DNS on the machine. This also bypass esthe Umbrella DNS layer. The Umbrella dashboard admin cannot be see the DNS record under the dashboard.

External Domain List

All the domains that are added to the External Domain list can bypass the SWG, and the domain cannot be proxied. The External Domain list can bypass the Umbrella proxy layer. The External Domain list can be applied only to the Hosted PAC, AnyConnect devices. The Umbrella dashboard admin cannot see the Web record under the dashboard.

Caveats

Domains listed in the Internal Domain list can bypass both the DNS Layer Protection and SWG Proxy.

Domains listed in the External Domain list do not bypass the DNS Layer Protection only the SWG Proxy.

Recommendation

You must only add the domains that are trusted since this can bypass a layer of the Umbrella protection depending on the list to which you added the domain.