

Guide to ISR G2 Configuration

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Introduction

This document describes how to configure Cisco Integrated Services Router (ISR) G2.

Background Information

As the administrator of a ISR G2, you are able to use the DNS IP addresses of 208.67.222.222 and 208.67.220.220 of the global network. The service offers you visibility into all internet traffic originating from your ISR and results in a faster internet experience for your users.

Note: This guide is for the ISR G2, not the ISR 4K series. See Integration for ISR 4K and ISR 1100 – Security Configuration Guide if you use an ISR 4K.

Configure

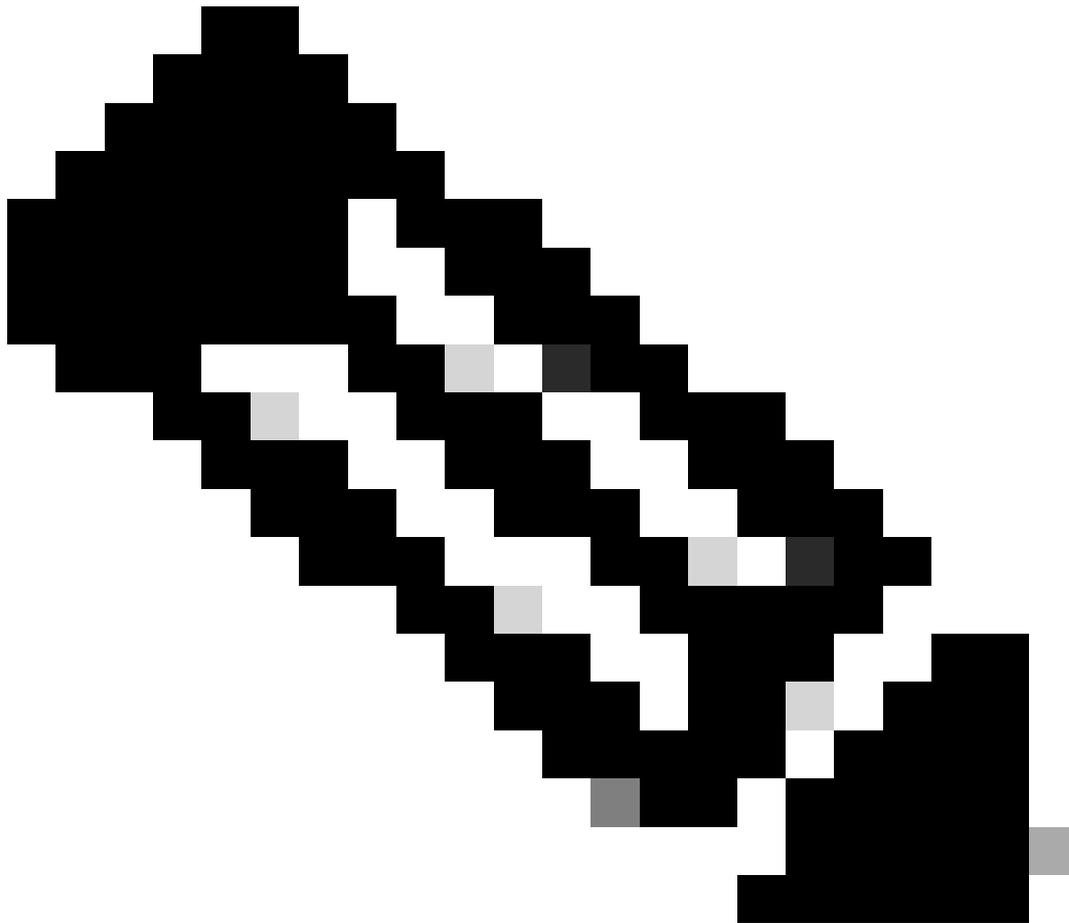
The next table outlines the differences between the the ISR G2 and the ISR 4K and their available packages.

Feature	ISR 4K	ISR G2
Built-in Connector	Yes	No
DNS Layer Protection	Yes	Yes
Intelligent Proxy	Yes	Yes

SSL Decryption	Yes	Yes
DNSECrypt-capable	Yes	No
Policy Per Interface	Yes	No
Transparent DNS Proxy	Yes	No
DHCP/Endpoint DNS changes required	No	Yes
Client IP Reporting	Yes (requires Cisco IOS® XE version 16.6.1 or later)	No
Dynamic Public IP Address Support	Automatic	Via Dynamic DNS
Umbrella Branch Package available	Yes	No
Other Umbrella Packages available	Professional, Insights, Platform	Professional, Insights, Platform

Our DNS servers can be used as the name servers on your ISR G2. Example:

```
hostname(config)# ip name-server 208.67.222.222 208.67.220.220
hostname(config)# ip domain lookup
```



Note: If your ISR G2 needs to resolve internal DNS then it must use internal DNS servers. In this scenario, the internal DNS servers are configured to use Umbrella as their DNS forwarders.

You can also use the DNS servers for your ISR G2 DHCP server. As a result, the devices that receive addressing from your ISR G2 will also be protected. For example:

```
hostname(config)# ip dhcp pool <pool_number>
hostname(dhcp-config)# dns server 208.67.222.222 208.67.220.220
```

Verify

Once you have configured your ISR G2, see [What are the Umbrella Test Destinations?](#) in order to verify that Umbrella is working.

Troubleshoot

There is currently no specific troubleshooting information available for this configuration.