

Configure Umbrella Chromebook Client to Send User-IP Mappings to Umbrella VA

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Introduction

This document describes how to configure Umbrella Chromebook client to send user-IP mappings over a secure channel to an Umbrella Virtual Appliance.

Prerequisites

Starting version 2.7, Umbrella Virtual Appliances can now receive GSuite user-IP mappings from each Umbrella Chromebook Client over HTTPS. For this functionality to work correctly, the Umbrella Virtual Appliance (VA) must be running version 2.7 or later, the Umbrella Chromebook Clients (UCC) must be running version 1.3.3 or higher. At least one of the configured VA needs to be configured as the DNS server of the Chromebook with UCC running.

Use Plain (HTTP) VA Communication

To use the plain (HTTP) communication between Cisco VA and UCC, you must add the “**vaInfo**” with the IP addresses of each VA in the configuration file. Refer to Example 1 for the sample configuration.

Example 1: Use plain (HTTP) VA communication.

```
"vaInfo": {  
  "Value": [  
    {  
      "IP": "192.168.100.10"  
    },  
    {  
      "IP": "192.168.100.11"  
    }  
  ]  
}
```

Use Secure (https) VA Communication

To encrypt the communication between Cisco VA and UCC, first refer to this link for information on enabling encrypted communication on VA: [Configure Umbrella VA to Receive User-IP Mappings](#).

Then, create Unique FQDN names for each VA in the network and add them to the configuration file, as shown in Example 2.

Example 2: Use secure (https) VA communication.

```
"vaInfo": {  
  "Value": [  
    {  
      "FQDN": "myVA1.mydomain.com",  
      "IP": "192.168.100.10"  
    },  
    {  
      "FQDN": "myVA2.mydomain.com",  
      "IP": "192.168.100.11"  
    }  
  ]  
}
```

Lastly please make sure the certificate of each VA configured in this UCC configuration file is pushed to all Chromebook running UCC via the G-Suite admin console.

Please note these important details:

1. The new version UCC is back-compatible supporting the "vaIPs" in the configuration file which uses plain VA communication. No need to change the configuration file if HTTP communication is preferred.
2. All VA FQDNs in these configuration files need to be resolved to the same IP in the internal DNS server configured for the VA.
3. All parameters in the configuration file are case sensitive.