

# OpenCNAM Sonus Integration Guide

## A. Introduction

OpenCNAM has several ways through which customers can query its Caller ID Name lookup services. This document details how to configure an ENUM service, on a per trunk group basis, on the Sonus SBC.

## B. Operation

Once the service is on the inbound trunk group, the calls flow will be as follows:

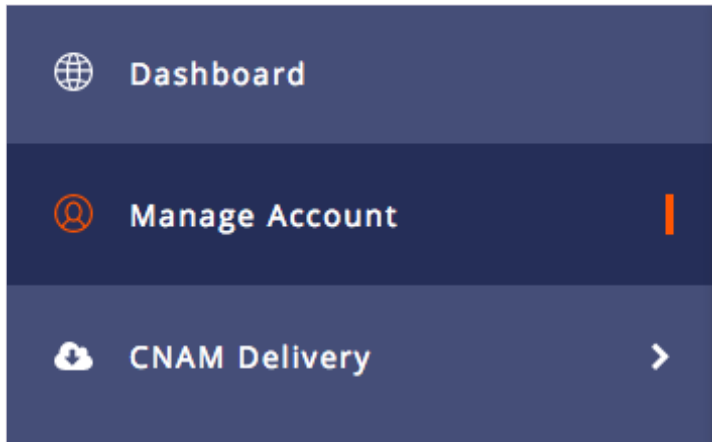
- 1 The call comes into the SBC and is triggered by the trunk group.
- 2 The call then makes a query for Caller ID Name to OpenCNAM using the ENUM service.
- 3 The query returns with the caller ID information and goes out the egress trunk group.

## C. Requirements

- 1 The SBC must be running version 5.1 or greater.

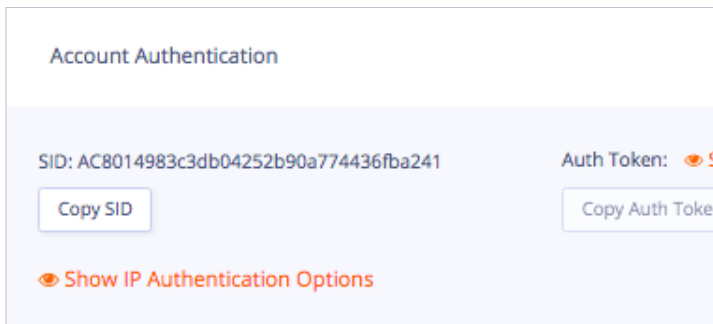
## D. Enabling IP authentication for OpenCNAM

First, you must whitelist the static IP address(es) from which ENUM queries will be issued. This can be accomplished in the OpenCNAM customer portal as follows:

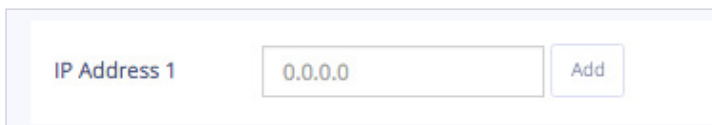


1 | Log into the customer dashboard at [www.opencnam.com/dashboard](http://www.opencnam.com/dashboard)

2 | Click on **Manage Account** in the sidebar



3 | Click **Show IP Authentication Options** to expose the IP address whitelist



4 | Add the **IP address(es)** of the ENUM signalling endpoint(s) from which your queries will be issued here

Queries from dynamic IP addresses are not supported.

## E. Enabling the ENUM service

SSH into the SBC and type "configure"

```
userHome$ ssh admin@10.21.30.5
admin@10.21.30.5's password:
Unauthorized access to this system is forbidden and will be prosecuted
by law. By accessing this system, you agree that your actions may be
monitored if unauthorized
usage is suspected.
admin connected from 10.21.40.193 using ssh on SonusSbc01
Your last successful login was at 2017-8-8 19:31:29
Your last successful login was from 10.21.40.193
=====
Do you agree to these terms and conditions ?
=====
Please enter (yes/no)yes
Your password will be expired in 11 day(s).
admin@SonusSbc01> configure
Entering configuration mode private
[ok][2017-08-15 15:11:48]

[edit]
admin@SonusSbc01%
```

## F. Edit and paste the configuration.

Please paste this one section at a time

**This criteria will trigger on a trunk group**

```
set profiles digitParameterHandling
numberTranslationCriteria cnamTG
trunkGroup <peer> <SBCNAME> Sonus_NULL
Sonus_NULL lookupType enumCnam
commit
```

**Example:**

```
et profiles digitParameterHandling
numberTranslationCriteria cnamTG
trunkGroup peer_FR1 SONUSSBC Sonus_NULL Sonus_NULL
lookupType enumCnam
commit
```

**a. Configuring the ENUM Service**

```
Set global servers enumService enumCname criteria
triggerCriteria cnamTG
commit
```

**b. Configuring the Service Type**

```
set global servers enumService enumCname defaultTreatment
routeAsDialed
set global servers enumService enumCname serviceType cnam
set global servers enumService enumCname flags active enable
set global servers enumService enumCname defaultTreatment
applyFinalTreatment
commit
```

**c. Configuring the ENUM Domain Name and Address**

```
set global servers enumDomainName enum.opencnam.com
forwardersData 1 forwarderIP 34.194.142.97
set global servers enumDomainName enum.opencnam.com
forwardersData 1 forwarderDescription openCnam
commit
```

#### d. Configuring the Private Domain Name

```
Set the global servers enumService enumCname enumDefinitions
privateDomainNameForEnumLookups enum.opencnam.com

Set global servers enumDomainNameLabel DEFAULT_ZONE_LABEL
enumDomainNameId enum.opencnam.com

commit
```

#### e. Configuring the IP Access Control List

```
Set addressContext default ipAccessControllist rule
ENUM sourceIpAddress 34.194.142.97 action accept
sourceAddressPrefixLength 32 precedence 1 state enabled

commit
```

#### f. (Optional) If the CNAM requests should be sent by the pkt port.

```
set addressContext default staticRoute 34.194.142.97 32
<YOUR IP> IG_V50 <PKT Port> preference 100

commit
```

#### Example:

```
Set addressContext default staticRoute 34.194.142.97 32
1.1.1.1 IG_V50 pkt1.50 preference 10

commit
```

#### g. If the CNAM requests should be sent by the mgmt port, then a Static Route for the ENUM service is not required.

## G. Troubleshooting

Test if the ENUM IP/domain is reachable from the SBC.  
Here is an example via the mgmt port:

```
ping -I mgmt0 34.194.142.97  
ping -I mgmt0 enum.opencnam.com
```

## H. Support / Assistance

We are happy to assist with your integration. Our team can be reached in any of the following ways:

Phone: +1-888-315-8356 (TELO) or +1-678-631-8356 (TELO)

Email: [support@opencnam.com](mailto:support@opencnam.com)