

## **Asterisk, Trixbox, FreePBX Integration**

EZCNAM can be used with your existing Asterisk / FreePBX / Trixbox installation.

First, create an account with EZCNAM, and take note of your API key. Then follow the instructions below:

### **For Trixbox or FreePBX:**

The following was last tested with FreePBX 2.7.0.5:

1. From the main screen choose the "Setup" tab on the left-hand menu.
2. Under "Inbound Call Control", click "CallerID Lookup Sources"
3. On the right-hand side of the screen, click "Add CID Lookup Source"
4. For "Source Description" enter "EZCNAM"
5. For "Source Type", choose "HTTP"
6. For "Host", enter "api.ezcnam.com"
7. For "Path", enter "/v1/"
8. For "Query", enter "key=MYKEY&phone=[NUMBER]", but replace MYKEY with your EZCNAM API key..
9. Leave "Port", "Username", and "Password" blank, and leave "Cache" unchecked.
10. Click "Submit Changes"
11. In the "Setup" tab on the left-hand menu, click "Inbound Routes"
12. From the right-hand menu, choose your existing inbound route (or create one)
13. Under "CID Lookup Source", set "Source" to "EZCNAM"
14. Click the "Submit" button
15. At the top of the screen, click "Apply Configuration Changes"

Troubleshooting: If you are not getting caller id back, it could be because func\_curl.so doesn't exist in your /usr/lib/asterisk/modules/ directory. To remedy this, make sure you have curl and curl-devel installed on your

server, and recompile Asterisk. If this is not possible (for example, if you installed Asterisk from binaries), you can use the method below instead:

### **Adding EZCNAM to your Asterisk Dialplan**

Add the following to your Asterisk dialplan for inbound calls:

1. On your Asterisk server, navigate to the `/var/lib/asterisk/agi-bin/` directory.
2. Look for `phpagi.php`. If you don't have it, get it here: <http://sourceforge.net/projects/phpagi/>
3. Enter the following on the command line to retrieve the `ezcnam.agi` script: `wget http://www.ezcnam.com/integrations/asterisk/ezcnam.agi`
4. Edit this script, and set the `$EZCNAM_KEY` variable to the API key for your EZCNAM account.
5. In your dialplan, after you answer an inbound call, add an AGI call to this script, like in the example below:

```
exten => _1NXXNXXXXXX,1,Answer  
exten => _1NXXNXXXXXX,2,AGI(ezcnam.agi)
```

Try placing an inbound call; the caller ID should now be populated into Asterisk's `CALLERID(name)` variable.

Troubleshooting: If an agi file gets edited in a Windows environment, it may not work properly on your Asterisk server. To fix this, use the `dos2unix` command to convert the file back to Linux format.