Vega with FreePBX (PJSIP on port 5060)

- Vega Configuration
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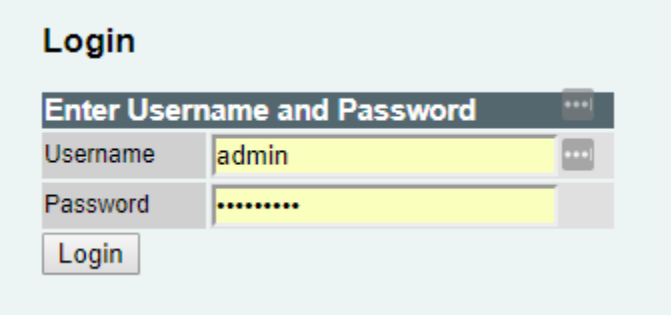
- Intrusion detection (Recommendation)

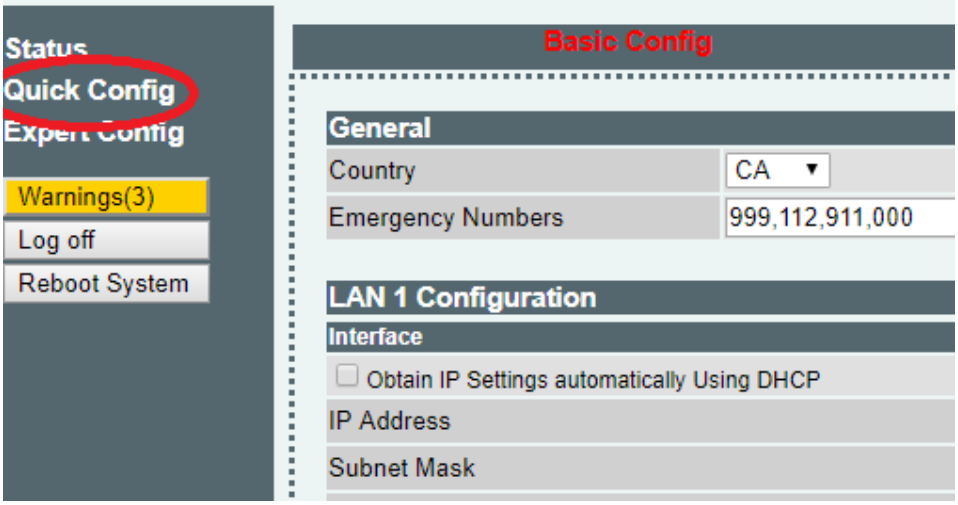
Vega Configuration

The following steps illustrate how to register your Vega product with FreePBX. This guide applies to all Vega products

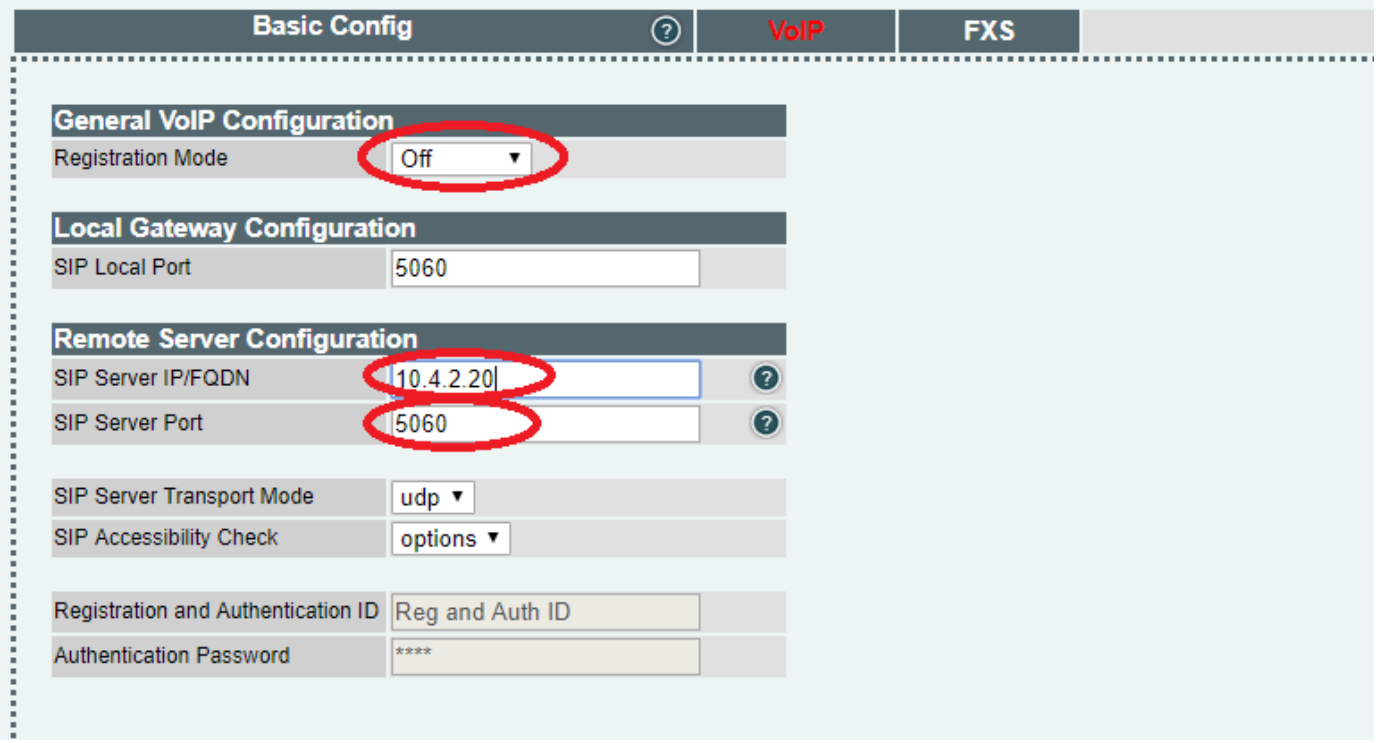
1. Log into your Vega **webGUI**



2. Log into the ***Quick Config***
**Any modifications performed in *Quick Config* will overwrite ALL configuration on the Vega (so if you have made any adjustments in *Expert Config*, they will be erased!!)

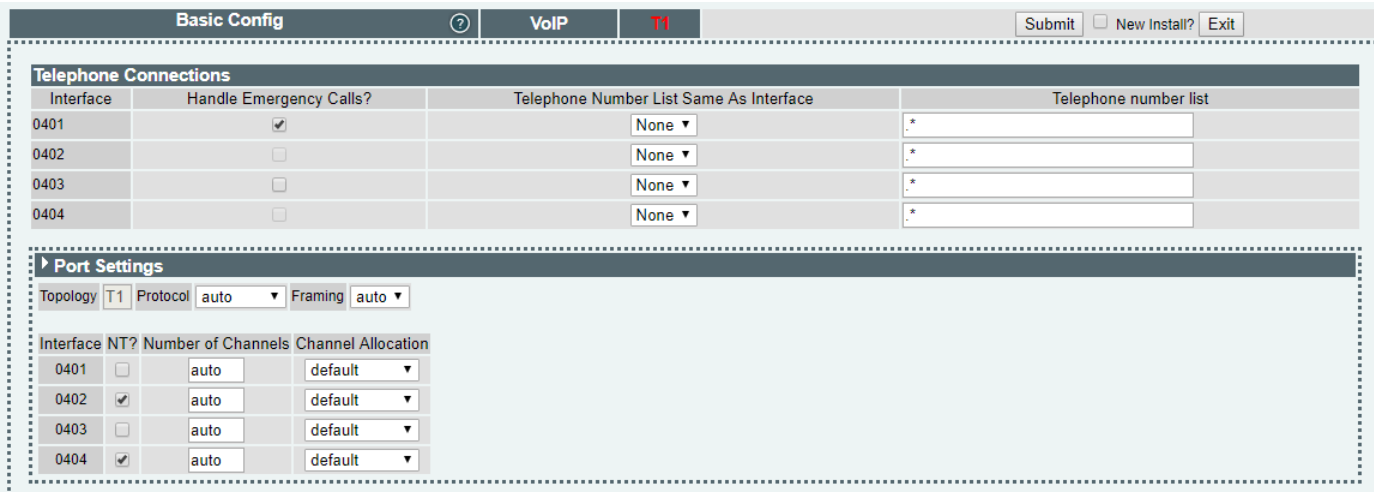


3. **Configure VoIP** Registration details as follows



- a. Click on the 'Registration Mode' and select '*Off*'
- b. Insert your FreePBX IP address in 'SIP Server IP/Name'
- c. Enter the PJSIP port (5060)

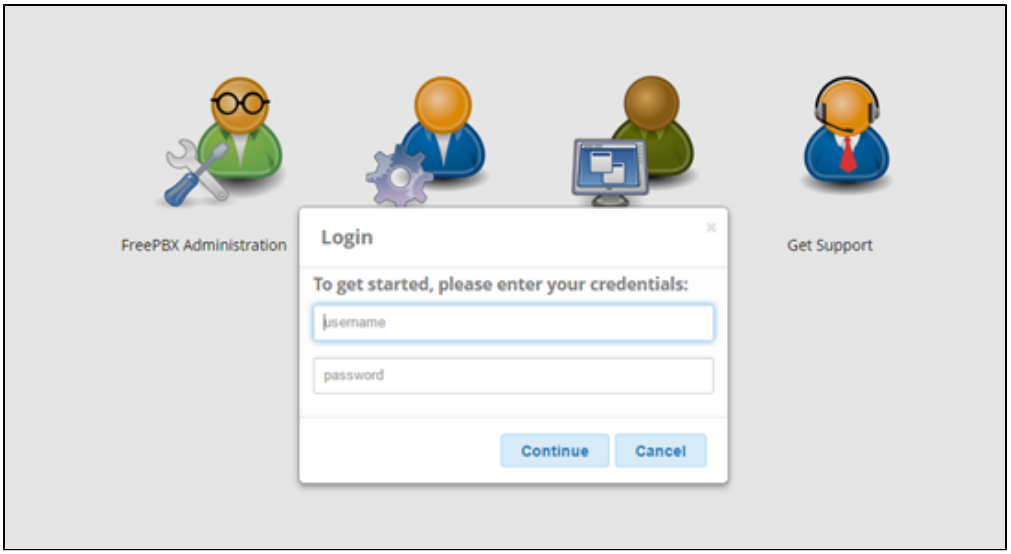
4. Finish configuring your Vega by clicking on the last tab.
In our example we are using a Vega 100



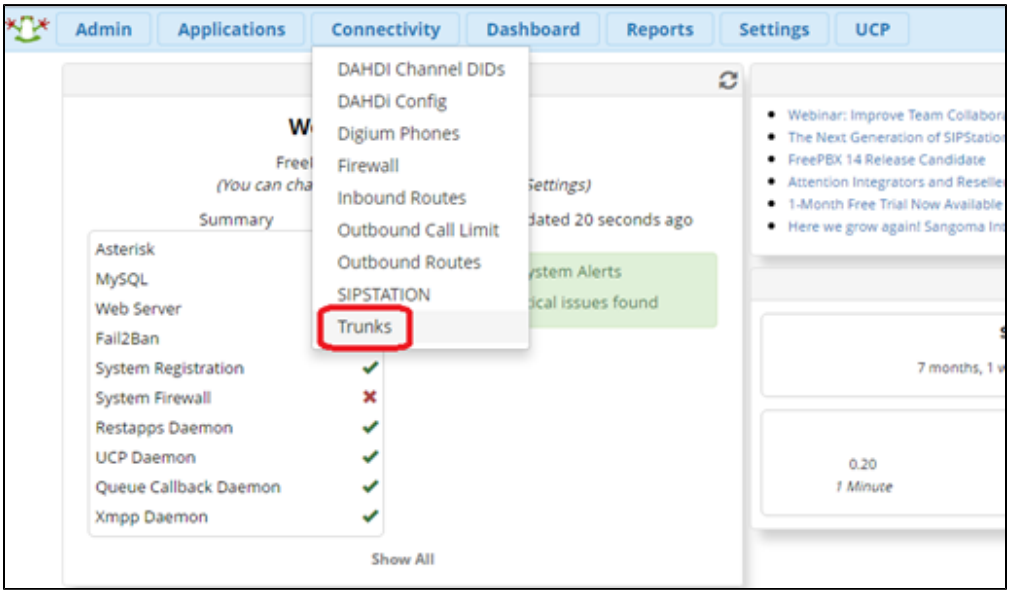
The Vega will ask you to **apply** and **save** your changes.

FreePBX Configuration

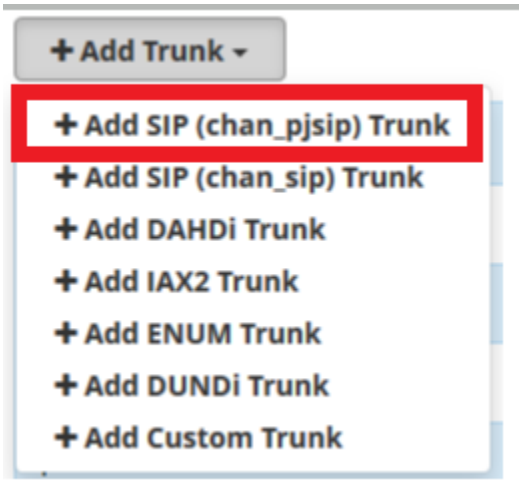
1. Log into the **FreePBX webGUI**



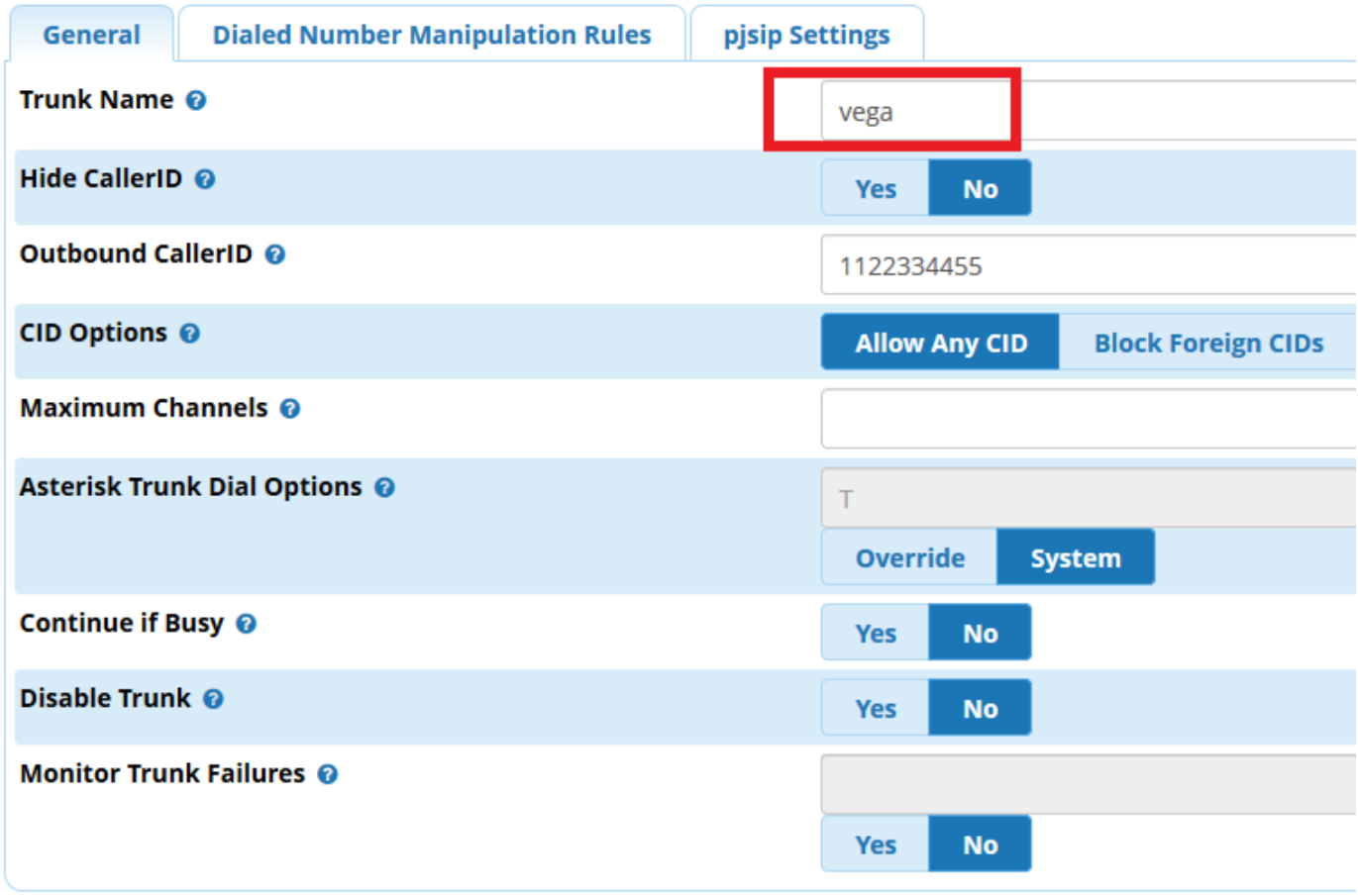
2.Click on ***Trunks***, located under ***Connectivity***



3. Click on **'Add SIP (chan_pjsip) Trunk**', to add a new trunk



4. Define the **Trunk Name**. In our example, we called it '**vega**' which is the same as the Registration/Authentication ID we entered in the Vega Quick Config Wizard.



5. Configure the **PJSIP Settings** under the **General** Tab as follows:

a. Leave the **Username** blank, since the Username is the trunk name

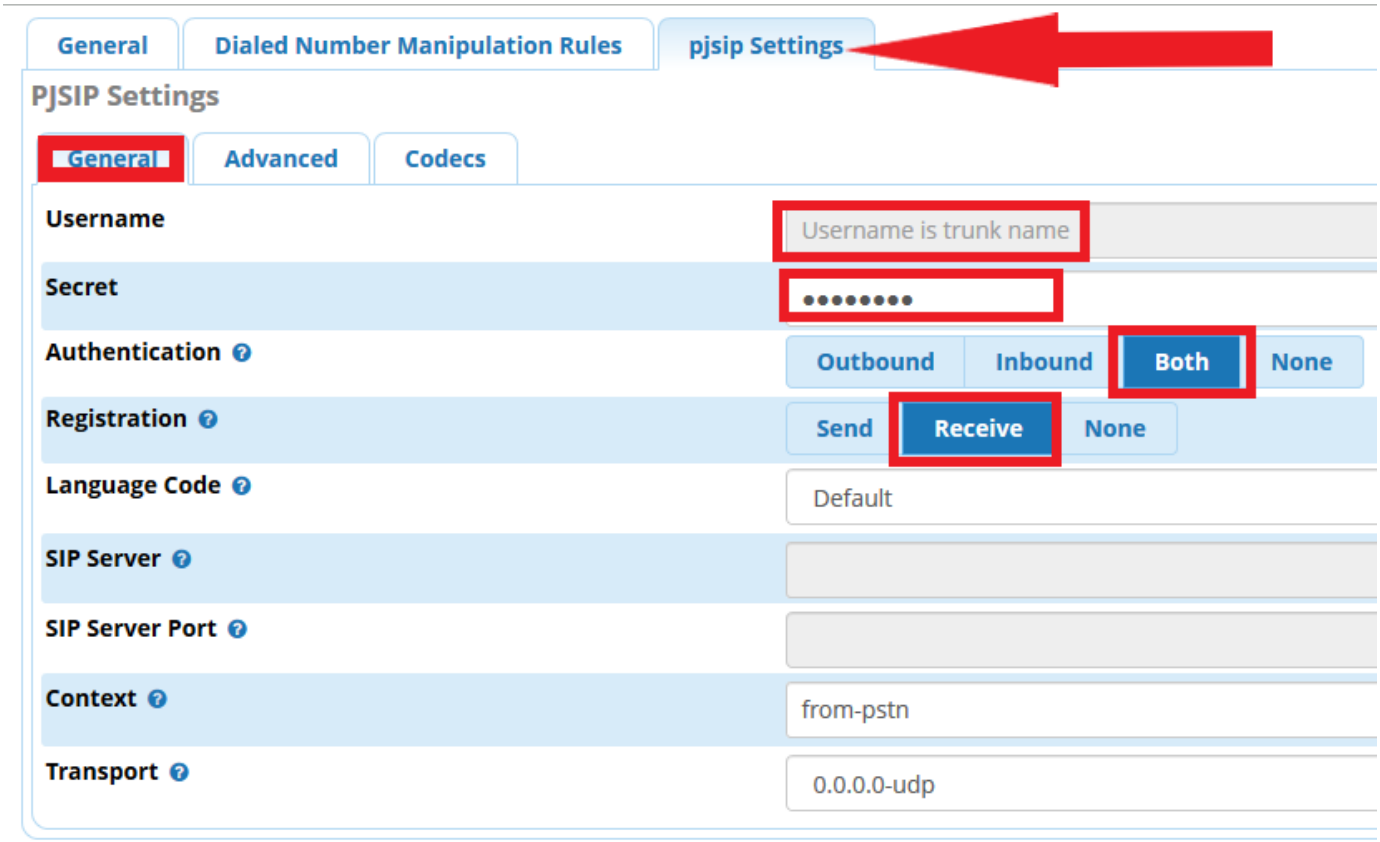
b. Enter the Authentication Password (**secret**). In our example it is 'sangoma1'

c. Set the **Authentication** option as **Both**

d. Set the **Registration** parameter as **Receive**, since the Vega is sending the SIP registration string to FreePBX

e. Leave the rest of the options with their default values.

f. Click on the **Submit** button.

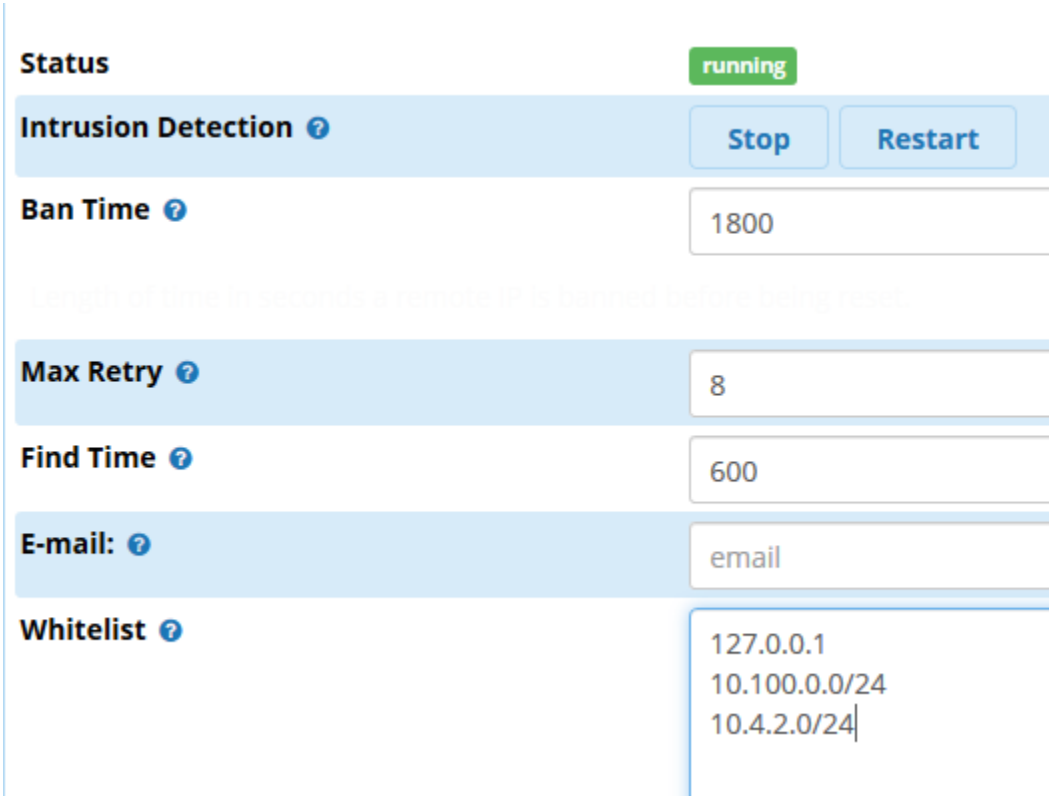


6. The last step is to **Apply Configuration**.

To verify registration Open the 'Status' Page of the Vega Gateway webgui and look at *SIP Registrations*

```
SIP REG
------------------------------------------------
SIP Profile 1 - registration expiry = 600s
------------------------------------------------
SIP REG USER 1
--- address   - vega@10.4.2.20
--- registrar - 10.4.2.20:5060
--- auth user - vega
--- contact   - [sip:vega@10.4.2.21:5060]
--- state     - registered   (user 1)
--- TTL       - 400 seconds
```

Intrusion detection (Recommendation)

In order to have the **Vega** register to **FreePBX** we recommend adding the Vega's IP Address (or add the entire subnet where the Vega is installed) to the **Intrusion Detection** module whitelist.

- To do this navigate to **Admin -> System Admin -> Intrusion Detection**
- Add the Vega's IP or Subnet in the **Whitelist** field
- **Submit** changes
- **Restart** the Intrusion Detection service