Using a Local Registrar

When using Asterisk as a local registrar, your SIP phones are registered with that SIP server, and Asterisk must be configured to forward the registration information to the 8x8 registrar. No configuration changes need be done on the phone.

The Asterisk configuration is done in the **sip.conf** configuration file. In the [general] section, add the following lines:

```
[general]
registertimout=3600
registerattempts=5
register => Agent1.MyCompany@8x8Registrar/Agent1_Ext
register => Agent2.MyCompany@8x8Registrar/Agent2_Ext
register => Agent3.MyCompany@8x8Registrar/Agent3_Ext
...
[8x8Registrar]
type=friend
qualify=no
allow=all
   host=vcc-sip-us1.8x8.com
   insecure=very
```

As you can see from this example, there is a "register" line for each agent. The format of the entry is

`Agent_UserName.CompanyName@8x8Registrar/AgentExt` Where

- `Agent_UserName` is a unique identifier.
- `CompanyName` is the company domain.
- `8x8Registrar` is the address of the 8x8 SIP registrar.
- `AgentExt` is the agent's Asterisk extension.

Choose a user name and company that uniquely identifies you and your domain. If you are Fred Jones at Acme, for example, you might choose a username of "fred.acme". If you are sharing a desk with someone else, you might choose a location-based name: "room101.acme".
For example, `register => fred.acme@ vcc-sip-us1.8x8.com /1234`

Finally, in the Agent Profile, you must enter a URI that will allow the VCC system to send a call to the local SIP server. Set the URI field with the following format:

`<username>@<8x8Registrar>`

For example, `fred.acme@ vcc-sip-us1.8x8.com`