

Ham 97B – ASV Control – Shebang 2

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1. Continue advanced programming tips, methods, and locations.
2. Admin Menu 11- Asterisk CLI gives CLI client. Type bang ‘!’ to get a Linux shell. ‘exit’
 - a. Menu 9- Start Bash gives Linux shell. This is exactly equivalent. ‘exit’
3. Asterisk conf files store in */etc/asterisk*. Reminder, conf files edit with ‘nano’ not ‘txt’.
4. *extensions.conf* mainly routes incoming connections from remote nodes to the correct node number in *app_rpt*.

```
[radiosecure]                #
exten => 1234,1,rpt,1234      # Incoming connection to extension 1234 calls app_rpt (rpt) with a value
                              # of # 1234, which should be a node defined in rpt.conf
```
5. *iax.conf* defines how to register with www.allstarlink.org .

```
register=anode:password@register.allstarlink.org
```
6. *rpt.conf* holds configuration information for *app_rpt*. A system with two nodes defined will have two node stanzas.

```
[functions58220]             #controls DTMF operations
cop,62,GPIO8:1 = c|t|RPT_RXKEYED #c(ontrol) o p, FOB pin 8 on = | c | t(rue) |RX (receive) keyed
```
7. Run an Asterisk command within a shell.
 - a. `asterisk -rx "[command]"` # generic command (-x) in already running server (-r)
 - b. Connect to a remote shell -r. ‘exit’ to exit
 - c. `rm -rf "/tmp/message$1.wav"` to remove the file.
 8. `echo $?` at command line gives last exit error code.
9. A very old document for asterisk <https://www.hamvoip.org/howto/acid-sysadmin.pdf>
10. DNS node lookup

```
/usr/local/sbin/remote_command.sh # lookup nodes DNS, etc
```
11. Linkunkeyct command in Asterisk can be used to customize the courtesy tone based on a node number.
12. Tones, but not workable yet.

```
exten => 123,1,Playtones(busy)
exten => 123,2,Wait(2)
exten => 123,3,StopPlaytones()
```
13. Life is good. Enjoy!

