

Structure of Config Files

wiki.allstarlink.org

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1 Structure of Config Files

Legacy Version - This page is about a legacy version of AllStarLink. See ¹

Configuration files have a simple structure consisting of stanzas, key/value pairs and comments. A stanza is a block of text within a configuration file. It starts with a name (or number) surrounded by square brackets on a line by itself. Configuration files will have one or more stanzas. Each stanza continues until the next stanza or end of file.

```
[this is a stanza]
...

[this is another stanza]
...
```

Stanzas contain one or more key/value pairs. Key/value pairs set various values within each stanza.

```
myname=timothy ; There are some who call me Tim?
```

Config file comments are preceded with a semicolon. In this example of two nodes the stanza is the node number and the key/value pairs set the CW ID and the ID timer:

```
[1998]
idrecording = |iW1ABC
idtime = 540000 ; 9 minutes

[1999]
idrecording = |iW1XYZ
idtime = 540000
```

1.1 Settings to name other Stanzas

Some key=value pairs point to other stanzas. This allows nodes on the same server to have the same settings (without duplicate entries) or different settings in some cases. For example the phone patch command may be *6 on one node, yet *61 on another.

For example:

```
[1000]
functions=functionsVHF

[1001]
```

¹ <https://allstarlink.github.io/config/config-structure/>

```
functions=functionsVHF ;same functions as node 1000

[1002]
functions=functionsUHF

[functionsVHF]
; Two meter Autopatch up is *6
6=autopatchup,noct=1,farenddisconnect=1,dialtime=20000
0=autopatchdn ; Autopatch down

[functionsUHF]
; 440 Autopatch up is *61
61=autopatchup,noct=1,farenddisconnect=1,dialtime=20000 ; Autopatch up
0=autopatchdn ; Autopatch down
```

1.2 Named Stanzas in rpt.conf

- controlstates=
- functions=
- link_functions=
- macro=
- phone_functions=
- telemetry=
- wait_times=

Note: A stanza is also called a context in Asterisk PBX terminology, particularly related to the dialplan.

1.3 Contributors

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- This page was last edited on 11 July 2025, at 02:55.

² <https://wiki.allstarlink.org/index.php?title=User:KK9ROB&action=edit&redlink=1>
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