

# **Blacklist or whitelist**

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# 1 Blacklist or whitelist

**Legacy Version** - This page is about a legacy version of AllStarLink. See <sup>1</sup>

Occasionally it becomes necessary to limit connections to your node. With this configuration you can either blacklist (block) or whitelist (allow) inbound connections. Outbound connections are not blocked. Only one list can be used at a same time and it applies to all nodes on the server. If using the whitelist all nodes on the local server (127.0.0.1) are allowed. The lists are managed with these Asterisk CLI commands:

## 1.0.1 Easy

WA3DSP wrote a script simplifies this process nicely: Download `node-ban-allow.sh`<sup>2</sup>

## 1.0.2 Less Easy

- Blacklist

```
*CLI> database put blacklist 1998 "any comment"
*CLI> database del blacklist 1998
*CLI> database show blacklist
```

- Whitelist

```
*CLI> database put whitelist 1000 "any comment"
*CLI> database del whitelist 1000
*CLI> database show whitelist
```

- Both

```
*CLI> database show
```

## 1.1 Blacklist Configuration

Add this to `extensions.conf` just below the `[radio-secure]` context.

```
[radio-secure]
...
```

---

<sup>1</sup> <https://allstarlink.github.io/adv-topics/allowdenylists/>  
<sup>2</sup> <https://hamvoip.org/downloads/node-ban-allow.sh>

```
; To add a node to the blacklist:
; database put blacklist 1998 "any comment"
; to remove:
; database del blacklist 1998
; to list
; database show blacklist

[blacklist]
exten => _XXXX!,1,NoOp(${CALLERID(num)})
exten => _XXXX!,n,GotoIf($[${DB_EXISTS(blacklist/${CALLERID(num)})}]?blocked)
exten => _XXXX!,n,Goto(radio-secure,${EXTEN},1)
exten => _XXXX!,n(blocked),Hangup

[whitelist]
exten => _XXXX!,1,NoOp(${CALLERID(num)})
exten => _XXXX!,n,NoOp(${IAXPEER(CURRENTCHANNEL)})
exten => _XXXX!,n,GotoIf($["${IAXPEER(CURRENTCHANNEL)}" =
    "127.0.0.1"?radio-secure,${EXTEN},1) ;permit local IPs
exten => _XXX
X!,n,GotoIf($[${DB_EXISTS(whitelist/${CALLERID(num)})}]?radio-secure,${EXTEN},1)
exten => _XXXX!,n,Hangup
```

In `iax.conf` modify the `[radio]` context by adding and/or commenting context = lines.

```
[radio]
type = user
disallow = all
allow = ulaw
allow = adpcm
allow = gsm
codecpriority = host
;context = radio-secure
;context = whitelist
context = blacklist
transfer = no
```

## 1.2 Web Portal

If you want to have a blacklist for the web portal users you will need to modify the `[allstar-public]` context in `extensions.conf`

```
[allstar-public]

exten => s,1, Ringing
exten => s,n,Set(RESPEX=${CU
RL(https://register.allstarlink.org/cgi-bin/authwebphone.pl?${CALLERID(name)}))}
exten => s,n,Set(NODENUM=${CALLERID(number)})
exten => s,n,GotoIf($["${RESP:0:1}" = "?"?hangit)
exten => s,n,GotoIf($["${RESP:0:1}" = ""?hangit)
exten => s,n,GotoIf($["${RESP:0:5}" != "OHYES"?hangit)
exten => s,n,Set(CALLSIGN=${RESP:5})
exten => s,n,Wait(3)
exten => s,n,Playback(rpt/node|noanswer)
exten => s,n,Saydigits(${NODENUM})
exten => s,n,Set(CALLERID(name)=${CALLSIGN})
exten => s,n,Set(CALLERID(num)=0)
exten => s,n,GotoIf($[${DB_EXISTS(blacklist/${CALLERID(name)})}]?blacklisted)
exten => s,n,Rpt(${NODENUM}|X)
exten => s,n,Hangup
exten => s,n(hangit),Answer
```

```
exten => s,n(hangit),Wait(1)
exten => s,n(hangit),Hangup
exten => s,n(blacklisted),Playback(privacy-you-are-blacklisted)
exten => s,n(blacklisted),Playback(goodbye)
exten => s,n(blacklisted),Wait(1)
exten => s,n(blacklisted),Hangup
```

Whitelist is not implemented here, but it should be easy to do

To block a web-portal user you will need to add the callsign in capital letters to the blacklist.

- \*CLI> database put blacklist KM6RPT "no comment"

## 1.3 Contributors

- KK9ROB<sup>3</sup>
- N8EI<sup>4</sup>
- This page was last edited on 29 June 2024, at 21:25.

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

4 <https://wiki.allstarlink.org/index.php?title=User:N8EI&action=edit&redlink=1>



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Edits User



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<sup>1</sup> Chapter 3 on page 13





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