

Setup IAXRPT use

wiki.allstarlink.org

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1 Setup/Download IAXRpt

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

IAXRPT is a specialized Windows "soft phone" program which allows users to connect from their PC's to an AllStarLink node. Setting up IAXRPT access is similar to setting up dial-in access, but a different command line switch is used in extensions.conf, and user authorization is done in iax.conf.

1.1 Download

Download Setup file for IAXRPT² - This was at Xeletec³, but their servers are offline as of 2019-04-04.

1.1.1 Security Issues

Incoming IAXRPT connections need to be authorized by making sure the incoming IAX user stanza is protected with a secret. This is the case because incoming IAX calls are not checked against a nodes stanza.

1.2 Modifying iax.conf

You may already have a stanza named [iaxrpt] in your iax.conf. You may re-use this stanza, but you will need to change the password

1. SSH into your node and modify /etc/asterisk/iax.conf.
2. A user stanza needs to added to iax.conf to allow incoming IAXRPT calls to be routed to a context in extensions.conf. A modified on the following stanza should be placed in iax.conf:

```
[iaxrpt]
type=user
context=iaxrpt
auth=md5
secret=CHANGEMEPLEASE ; *** Important! Change this!!!
```

1 <https://allstarlink.github.io/user-guide/externalapps/>
2 https://wiki.allstarlink.org/images/5/56/Setup_iaxrpt_xipar_010146.exe
3 <http://www.xeletec.com/>

```
host=dynamic
disallow=all
allow=ulaw
allow=gsm
transfer=no
; requirecalltoken = no ; Un-comment or insert for ASL3
```

Add a context stanza to /etc/asterisk/extensions.conf to transfer control to app_rpt:

```
[iaxrpt]
```

```
<<< choose one of the following formats >>>>>>>exten = 1234,1,Rpt,1234|X
; Change 1234 to your node number < this is for "pre" ASL3exten =
1234,1,Rpt(1234|X) ; Change 1234 to your node number < this is for ASL3
```

The X option passed to the Rpt application disables the normal security checks. Because incoming connections are validated in iax.conf, and we don't know where the user will be coming from in advance, the X option is required.

1.3 IAXRpt Usage

Program Setup

"Account Name" is the node number

User is the "stanza name" or iaxrpt in our example.

1.4 Contributors

- KB8JNM⁴
- KK9ROB⁵
- VE7FET⁶
- This page was last edited on 3 July 2025, at 23:27.

4 <https://wiki.allstarlink.org/index.php?title=User:KB8JNM&action=edit&redlink=1>

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Edits User

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1 Chapter 3 on page 11

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Version 3, 29 June 2007

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