

Setup/Download IAXRpt

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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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Version 3, 29 June 2007

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