

Node Registration

wiki.allstarlink.org

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1 Node Registration

Obsolete - This page has obsolete information that is likely no longer relevant and will be deleted.

1.1 How It Works

There is a registration server located at `register.allstarlink.org` which receives registration requests from all Allstar link nodes. If the node number is valid, and the password matches what is on file for the node, then a master list of valid Allstar link nodes is updated with the latest IP address seen by the registration server. This master list is then periodically retrieved by another set of entirely different Allstar link node servers which are located in different geographical locations. All valid Allstar nodes can then request and retrieve a copy of the master node list by running the `rc.updatenodelist` script at periodic intervals. `App_rpt` reads the output of this script and will allow incoming connections originating from nodes in this list, and will also allow outgoing connections for any node listed in the script.

1.2 Manual setup Instructions

In order to use the registration feature, you will need to know both your Allstar link node number and Allstar Link access password. If you have forgotten your Allstar link access password, you can retrieve it from `allstarlink.org`, if you know the email address you registered the node to, and the node number of the node.

To use the new update process, a registration statement is added to the general section of `/etc/asterisk/iax.conf` using a text editor such as `vi`, `emacs`, or `nano`. The format of the register statement is:

```
register=node:password@register.allstarlink.org
```

where:

node is your assigned Allstar link node number.

password is your assigned Allstar Link node access password.

For example, node 1234 which has a password of 12345678 would put the following line in [general] section `/etc/asterisk/iax.conf`:

```
[general]
```

```
.
```

.
.

```
register=1234:12345678@register.allstarlink.org.
```

Note: You will need to issue an `iax2 reload` command from the Asterisk Command line, or restart Asterisk after you save `iax.conf`.

1.3 Obsolete variations:

As of 7/1/2008, dynamic DNS and/or static IP addresses are no longer required for nodes which are part of the Allstar Link network. The new node identification method uses an `iax.conf` register statement to update the Allstar Link registration server with the latest IP address in use by the Allstar Link node. Depending upon the distribution

ACID

Please note that in the ACID Distribution, node registration is automatically configured for you. You will be prompted for your node number and node password at the completion of the installation process.

Limey Linux

Limey Linux has the `nodesetup` script available. Just type `nodesetup` at the shell prompt, and you will be prompted for your node number, password, and node callsign.

1.4 Contributors

- N8EI¹
- This page was last edited on 24 October 2024, at 13:00.

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

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Version 3, 29 June 2007

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