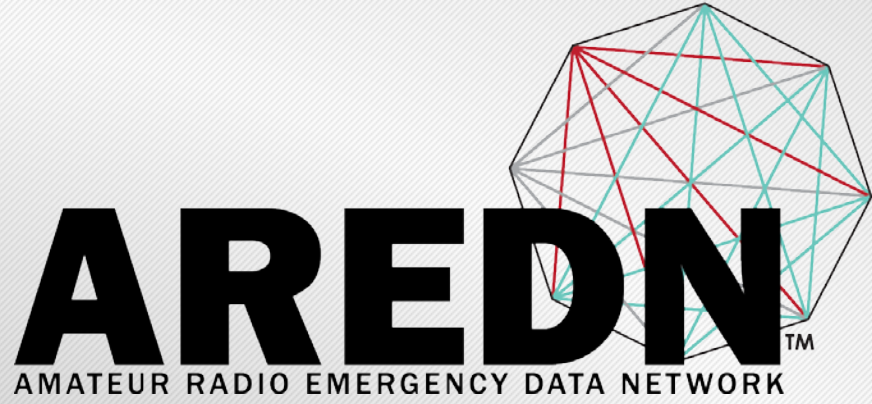




AREION™
AMATEUR RADIO EMERGENCY DATA NETWORK



MeshChat

Features and Benefits



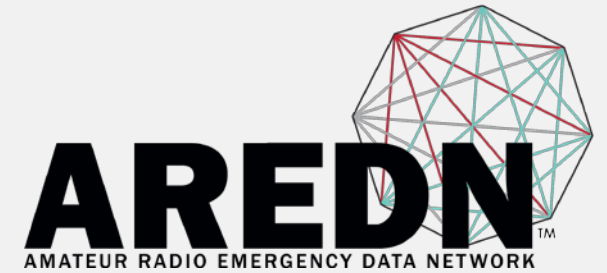
- Keyboard text messaging
- Robust and redundant
- Easy to use
- History of text threads is maintained
- Unambiguous, less subject to misunderstanding than voice communications
- No single point of failure like some applications. Able to have multiple servers
- Little training required. Web interface on desktop or mobile device
- Logouts or disconnections won't lose information. Text gets restored.

How It Works



- The web application runs on the mesh node itself or a raspberry pi
- Type into a text box and clicking submit
- The message database is stored on every node mesh chat is running on

How It Works



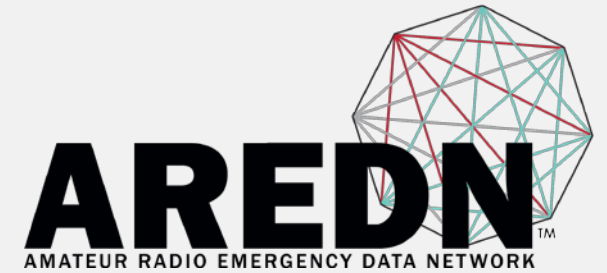
- A daemon runs and gets a list of all nodes in the mesh running mesh chat
- The daemon then polls those nodes several times a minute and gets any new messages and a list of users logged into mesh chat on that node.
- If any new messages are found, they are appended to the local message database.

Zones



- Meshchat is configured to run on a particular zone based on the service name it is given in the AREDN services screen.
- This lets you run multiple installations of Meshchat on a single mesh and separate messages.

Channels



- Channels separate messages inside a zone.
- For example, an Emergency channel that CERT users would monitor so they would not need to filter out Health and Welfare communications.
- You can also use channels to trigger Action Scripts.

Using MeshChat

- Brief Demo

