

## About ARDC

The mission of ARDC is to support, promote, and enhance amateur radio and digital communications science and technology.

**Background.** AMPRNet was established in 1981 when a 44/8 netblock of ~16.7M IP addresses was assigned for non-commercial amateur radio use, namely to investigate the potential of TCP/IP for applications in packet radio.

In 2011, ARDC was founded to oversee 44Net, ensuring that it will be continually used for non-profit purposes.

**Today.** After selling ~4M addresses in 2019 and creating an endowment to fund 44Net operations and our grants program, 44Net is a network resource that helps amateur radio operators, learners, and makers democratize technology and enable learning for IP networks, electronics, and RF use cases.



## Get Involved!

**Acquire address space:**  
[portal.ampr.org](http://portal.ampr.org)

**Volunteer as a Beta Tester for PoPs-related projects:**  
[contact@ardc.net](mailto:contact@ardc.net)

**Become a Wiki maintainer:**  
[ardc.groups.io/g/wiki](http://ardc.groups.io/g/wiki)

**Start or join a conversation:**  
[ardc.groups.io/g/44net/](http://ardc.groups.io/g/44net/)

## Contact Us

**Website:** [www.ardc.net/44Net/](http://www.ardc.net/44Net/)

**General:** [contact@ardc.net](mailto:contact@ardc.net)

**Twitter / X:** @ARDC\_73

### Image credits

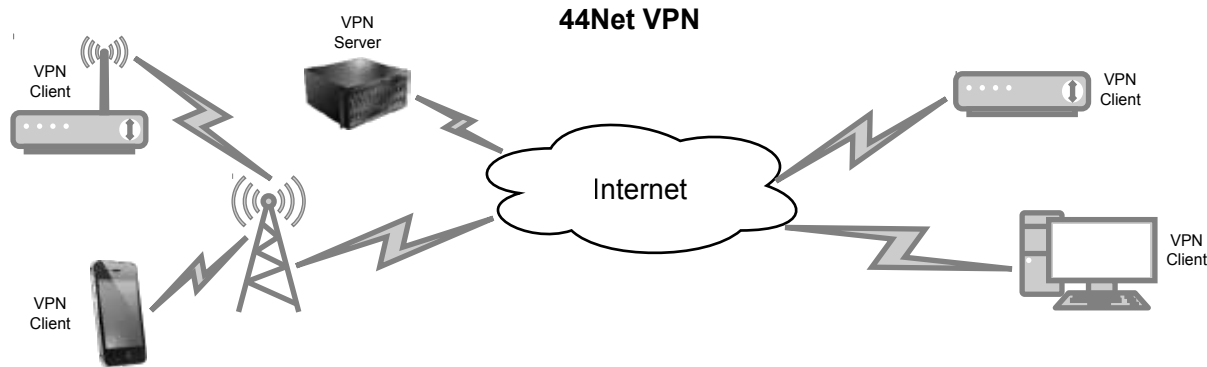
Above -- GL.iNet Router

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# 44Net



# 44Net: A Closer Look



## Use Cases

44Net provides static IPv4 addresses for:

- WebSDR
- Repeaters
- Hosting services (e.g., email servers)
- TCP/IP Amateur Networking
- VPNs (see above)
- VoIP
- Remote Station Control

## Connecting with 44Net

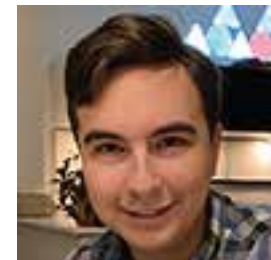
- **Portal** - request and manage IP allocations - [portal.ampr.org](http://portal.ampr.org)
- **VPN Routers** - used to create 44Net VPN tunnels into ARDC PoPs - list of recommended routers **coming soon!**
- **VPN Software Clients**
- **BGP Advertised Subnets** - BGP allocations can be requested through the Portal - [portal.ampr.org](http://portal.ampr.org)
- **IPIP Mesh Tunnels** - [portal.ampr.org](http://portal.ampr.org)

Further 44Net documentation can be found on the Wiki: [wiki.ampr.org](http://wiki.ampr.org)

## TAC Testimonials



**Adam Lewis - KC7GCY** - initiated the Point-of-Presence (PoP) project, saying "I am truly thrilled by the potential impact and boundless opportunities that this project brings. It has been an absolute joy to engage in meaningful discussions and contribute to the vision and future plans of ARDC."



**Zach Seguin - VA3ZTS** - contributed to the development of the Requirements Document for the 44Net Portal and also to the development of the PoP Proof of Concept, projects he cites as the work that he is the most proud of while serving on the TAC.