

This has been quite a busy year, and we thank you for your support. I'm happy to say that we were able to hit quite a few milestones.

We brought a new 10gbps fiber circuit online, so we now have plenty of room to expand and more than enough bandwidth

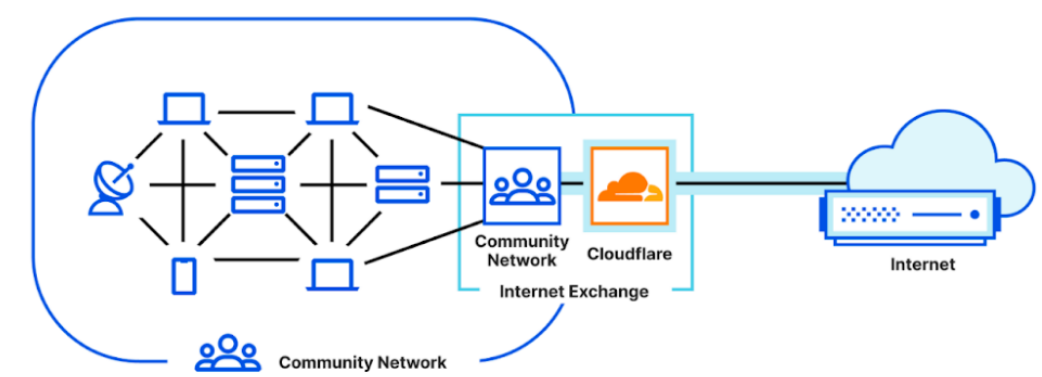
Machine-learning threat analytics & security services have been brought online, and will be available as an opt-in security service in the future

Full-mesh topology is now live across the network for increased resiliency

We're now fully compliant with the FCC's new BDC reporting system, and we're now certified to offer the Affordable Connectivity and Lifeline Programs to low-income households on our network to help subsidize access and the purchase of a new computer. This one was a huge pain to get through, but we now have the government's stamp of approval and are fully compliant.

We donated a substantial amount of time and money to various high-impact community efforts, and helped local businesses and individuals by providing emergency interest-free loans and support.

Last, we're about to bring Project Pangea access online - this gives Ayva Networks priority fiber access across the US and throughout the world, along with best-in-class DDoS protection. This is normally a service that is only affordable for the largest of enterprises. Cloudflare is generously giving us 6gbps of magic transit bandwidth, a service that normally costs approximately \$40,000/mo for 1gbps. In short, we will have the absolute highest-quality IP peering/transit services you can get, and we won't be subject to common upstream congestion problems that plague most central internet exchanges. That's something no other residential/business internet provider can offer.



One of several possible [deployment models](#) Pangea participants can use to get connected

Pangea participant highlight: Ayva Networks

Ayva Networks is a not-for-profit Wireless Internet Service Provider that provides backbone and Internet services to approximately 400 households in the rural mountain areas west of Boulder, Colorado. In 2023, they will grow their network to provide more gigabit network access. Nick Wilson from Ayva Networks explains that *"reliable Internet in our community isn't a privilege, it's an essential utility, and often provides the only means of communication for many homes in our region as cellular service is generally rare."*

After connecting through Magic Transit, Nick shared *"speeds are noticeably better on Magic Transit, especially for those who work with cloud resources"* and that *"our firewalls deal with a lot less background noise"* due to all the attack traffic mitigated by Cloudflare.

Colorado's environment can be pretty extreme, and present many challenges to running a Wireless Internet Service Provider. Ayva Networks responds to 100+ mph wind, massive hail, blizzards, flooding, insects, lightning, and fire. By using Magic Transit, Ayva Networks is better able *"to engineer traffic flows much more granularly than we otherwise are able to with BGP alone, and has become an essential tool for us in mitigating and responding to outages."*



Your Contributions

Address: N/A - Generalized Report

Total Contributed for 2022: N/A - Generalized Report
Average Monthly Amount: N/A - Generalized Report

Hi there! This is a generalized public report. If you're an Ayva subscriber, you'll get some details about how you've supported the network here. Don't worry - contributions are kept private and we'll ask beforehand if we can include you in any public reports.



Top Supporters

Huge thanks and shoutout to Todd & Jane for going above & beyond with their financial support for the project.

Other top contributors this year:

- **Chad McGimpsey**
- **Dave Dewoina**

As a thank you, you will permanently have access to the "pay-whatever" plan in the future and you'll skip the line for any support issues. We'll also bump your traffic priority in the event of congestion, should it occur, and give you early access to some new features that are rolling out.

One last thing - expect some chocolate and other treats to arrive shortly if it hasn't already.



Financial Health

Ayva Networks was not cost neutral for 2022

This is expected and not to worry - we'll continue to cover the shortfall to keep things running.

If you're paying less than average and you're in a spot to contribute a bit more, we'd always appreciate the support, but we pledge to maintain the "pay-whatever" system for at least a few more years.

We'll be rolling out a big expansion in 2023, and I'm forecasting that we'll reach a healthy forward-looking financial status by Q3 2024 with a goal of covering the initial startup-costs by 2028. Any excess profits will always be reinvested back into network upgrades and the community.

Goals for 2023

- Launch the new self-service control & status portal
- Bring up an additional 10gbps fiber circuit
- Enable Project Pangea access for all members
- Expand coverage area to cover underserved areas and legacy MRIC Subscribers
- Hire additional community members to help with support & installations
- Purchase additional IP resources to facilitate additional public addressing
- Deploy autonomous outage notifications & updates
- Install fire/smoke detection & weather stations on all towers



We wish you all an amazing year, and on behalf of Ayva, Thank You

- Nick Wilson
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