

# PeerStory: NETGEAR

This PeerStory is a collection of quotes from a real user who shared his experience using NETGEAR on IT Central Station.



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## USE CASE

As an engineering company who pioneered network-based AV solutions, we strongly rely on our in-house network backbone. It is fundamental for all required AV protocols, as well as for all of the standard network purposes.

Since we were looking to go to 10GbE, our choices were either Cisco or NETGEAR. We were using and selling the Cisco Small Business 300 and 500 Series. Seeing this, and **the fact that Cisco does not have 10GbE hardware for a reasonable price, convinced us to switch to NETGEAR.**

In our case, [we are using it for] SDVoE, Dante (professional audio), office traffic, etc. flow on different VLANs which are incorporated into **one single physical network infrastructure.** Divided over two racks, three switches from the M4300 series are running in stacked mode and provide 10GbE connections to the SDVoE encoders and decoders from ZeeVee, as well as to all our other gear, including Dante devices, computers, access points, and phones.

## RESULTS

Thanks to the availability of 10GbE, we have been able to show the difference between compressed 4K video streaming over 1GbE and uncompressed 4K video streaming with the use of the SDVoE protocol and 10GbE.

**It provides the ability to stack switches together, and this is a huge time saver!** Having one interface to configure the complete system, especially when it comes to VLANs, helps a lot. This administration is something that is time consuming when all switches need to be configured individually. Thanks to stacking, you have VLANs available on all switches, and you can just select what you want.

**Thanks to the increase in bandwidth, we were finally able to truly demonstrate the 10GbE solutions that we distribute.** 10GbE in Ethernet in another speed. We had to learn how to handle it. This knowledge will be useful in future projects

With the NETGEAR M4300 series switches, we have been able to test, demonstrate, and provide training on the ZeeVee 10GbE SDVoE gear, which we distribute.

There is no need to be an IT expert if you are deploying standalone. The web interface is common and easy to understand. You just need to know how to set up a switch.

We run two different High-Bandwidth AV over IP systems simultaneously and haven't seen any limitations yet.

**“ To have unlimited, uncompressed, 4K transmission, you cannot go with 1GbE, you need 10GbE. The M4300 Series is the way to go.**

## ROI

We have saved time since we switched from Cisco to NETGEAR. With Cisco, firmware updates and troubleshooting afterwards were costing us hours. With NETGEAR, we update, and it all works as before.

The pricing is very good for 10GbE switches and you get a lot of throughput. **It is about 60 percent of the costs of other switches from competitive manufacturers, which is really good.**

You can combine up to eight units in a stack. For its price, it scales well.

We did the deployment ourselves. Since it has a web interface, it is easy to set up. You don't have to take three years of training somewhere for a lot of money. **It simply runs, which is the best.** You can plug it in, set it up, and you can forget about it.

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