

## August 2022 Newsletter

### The Two Sides of Network Visibility

A fundamental tenet to protect industrial control systems is to gain and maintain an accurate visibility over OT networks. The challenge is where and how to get started given the increasing size and complexity of our connected environments.

There are two complementary approaches to consider. On the one hand, traditional **traffic monitoring solution** such as an intrusion detection system leverages network instrumentation through TAP or SPAN to understand which assets are connecting to which services. On the other hand, **network access modeling** leverages firewall and router configuration files to understand which assets can connect to which services. The former lets you know what your network is doing and the latter what your network is capable of doing.

Each approach allows cybersecurity, compliance, and networking teams to answer different questions. Network traffic monitoring is required to conduct **threat hunting** and to identify compromised assets. Collecting the necessary traffic data often incurs a longer deployment process, given that assets can be geographically-dispersed or connected through legacy equipment. Network access modeling is optimal for proactive verification of **network segmentation** and architecture risk assessment. The fact that it only requires offline configuration files to work enables easier and faster implementation in the context of OT.

If you have questions about network visibility or would like recommendations on how to best get started, please [contact one of our ICS specialists](#) today.

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Check out these highlights!



7.15: Network Perception team enjoys the Chicago Architecture Tour



7.21: NP team attend EnergySec Con in Anaheim, CA



7.28: Intern Simon Evans at ThinkChicago Lollapalooza event



8.8: NP Team volunteering at the Chicago Ronald McDonald House Charity



8.23: VP of Sales Stephen Gallagher and CEO & Co-Founder Robin Berthier attend NAES Summit in Seattle, WA.



8.25: RSM Betsy Williams and SE Jim Laurita attend the SCADA Tech Conference in Dallas, TX.

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### On the Horizon..

Keep an eye out for Network Perception's FALL Events!

- 9/14: Podcast with NP's Robin Berthier & [Waterfall Security](#)'s Andrew Ginter

- 10/5: Webinar with [SecurityGate.io](#)
- 9/20-9/21: 9th Cyber and SCADA Virtual Conference
- 9/29-9/30: [Control Systems Cybersecurity of America](#)
- 10/17-10/19: [GridSecCon 2022](#)
- 10/25-10/27: [WECC Reliability & Security Conference](#)



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