How to Improve OT/IoT Network Visibility

In the world of operational technology (OT), one small change or networking issue can have a significant effect on production, automation systems and even safety.

Staying on top of what's happening in the control network is mission critical – but you can't monitor and manage what you can't see.

> The level of trust we have in our systems has to be directly proportional to the visibility we have. And the level of visibility has to match the consequences of the failure of those systems.
>
> If you can't see a network, you can't defend a network, and if you can't see a network quickly, you certainly don't have a prayer of defending the network. And that applies to both IT and OT.

Anne Neuberger, U.S. Deputy National Security Advisor for Cyber and Emerging Technology

Do You Really Know?

All the types of devices in your OT environment, and how many there are of each?

When someone changes the configuration of a PLC, or deletes a log file?

How many open TCP connections or open ports exist?

The real-time status of your network, its vulnerabilities and threats?

Which devices are communicating and what protocols they're using?

To spot and troubleshoot networking and communication issues that threaten reliability, you need real-time visibility into your assets, connections, protocols and more.

Automated Asset Discovery and Network Visualization

The Nozomi Networks solution automatically discovers the assets on your OT/IoT network. The visualization of your network improves situational awareness by showing all assets, links, protocols and topologies.

Gain real-time insights with:

A macro view of the entire control network (zoom in and out for desired level of detail)

The ability to navigate and filter by different subnets and network segments

The ability to drill down on any endpoint or connection to see detailed attributes

Visibility into the protocols used to communicate (OT, ICS, IoT and IT protocols)

Network traffic information such as throughput, protocols and open TCP connections

The ability to print and export the network structures and its details, in many file formats

To automate asset inventory, improve network-wide situational awareness and troubleshoot problems before they impact operations, find out more about the Nozomi Networks solution.
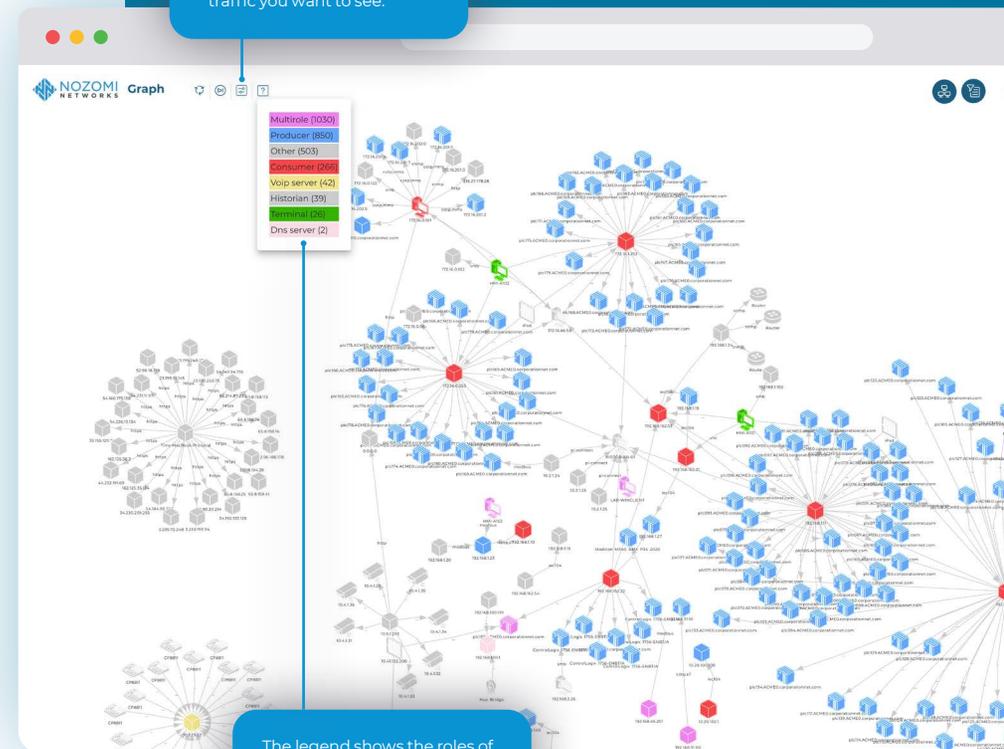
Contact us for a demo

or visit **our website** for more information.

Within minutes of deployment, the Nozomi Networks solution visualizes the assets on your OT/IoT network, often revealing previously unseen nodes and connections.

In one PoC, a customer realized their network had over 15,000 assets - their estimate was 3,000.

Easily customize the traffic view to focus on the type of traffic you want to see.

Multirole (1030)
Producer (850)
Other (503)
Consumer (266)
Voip server (42)
Historian (39)
Terminal (26)
Dns server (2)

The legend shows the roles of the different types of assets and the number of each type present on your network.

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