





WEBINAR

Achieving Secure Digital Transformation in Manufacturing

Peter Vescuso Marketing, Dragos

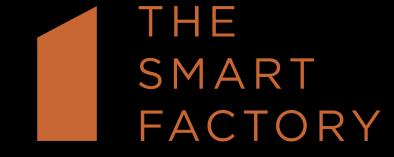


AGENDA

Market Trends

Deloitte Smart Factory

Panel Discussion





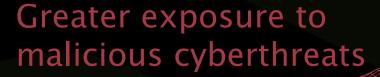
Dragos Platform

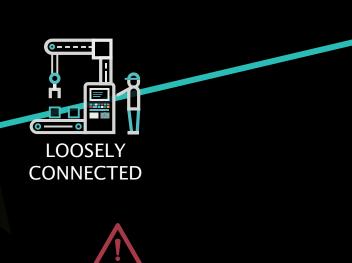


MANUFACTURING TRENDS

Growing investment in digital transformation and hyperconnectivity









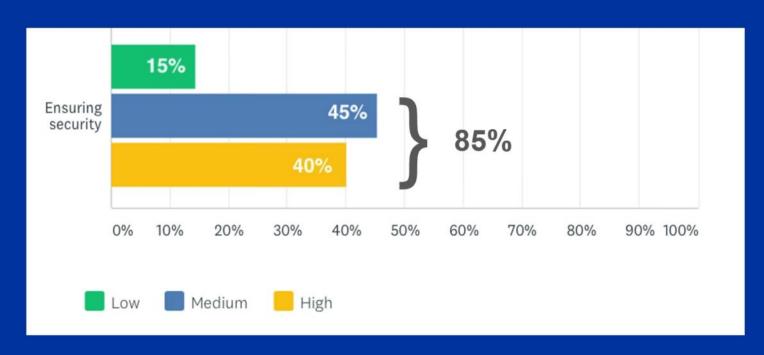
"Threat groups are rising 3X faster than they're declining..."

Source: Dragos 2020 YiR



The Cyber Challenge to 4.0 Transformation

How would you assess the following challenges related to adopting and using transformative M4.0 technologies?



85% say the cybersecurity challenge remains either a high or at least a medium obstacle to their adoption and use of transformational 4.0 technologies

MLC Transformative Technologies Survey: September 2021





Deloitte Smart Factory @ Wichita State University



Jimmy Asher
Senior Manager
Deloitte Consulting LLP





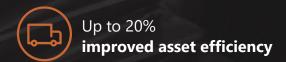


The waiting game is over. Industry 4.0 is here.

Smart factory adoption is increasing, driving the evolution of smart and high-impact results.

A smart factory is a space where physical and digital solutions orchestrate to change the way manufacturers operate, enabling plant managers and factory workers to proactively manage short-term manufacturing challenges such as resources, physical assets, and schedule.

The Smart Factory @ Wichita marries advanced manufacturing techniques with the Internet of Things to create manufacturing systems that go beyond being interconnected. We are now able to demonstrate how to communicate, analyze, and use information to drive further intelligent action back in the physical world. And for companies like yours, that means using technologies that drive down costs, increase efficiencies, and position your organization for success.









Up to 35% improved quality



Up to 20% enhanced agility



Up to 10% improved safety and sustainability

Source: Deloitte analysis of the 2019 Deloitte and MAPI Smart Factory Study data

Behold the Smart Factory @ Wichita

Where the impossible becomes reality.

Isn't she a beauty? Construction is currently underway on nearly 60,000 square feet of super-smart, sustainable space for The Smart Factory @ Wichita. And we're working with Wichita State University to become a smart building on a smart grid.

This experiential space is your personal innovation playground, a workshop of sorts that allows visitors to immerse themselves in custom simulations to solve real business problems.

See? Told you it's super-smart.











How will the Smart Factory leverage Dragos?









OT AND
IOT MONITORING

DIGITAL ASSEST MANAGEMENT

SOC CAPABILITIES

INCIDENT RESPONSE

What will this look like within Smart Factory?

Dragos will be tightly coupled into the smart factory ecosystem and will actively monitor the network nodes for cyber scenarios such as spearphishing, ransomware, third-party risk, etc.



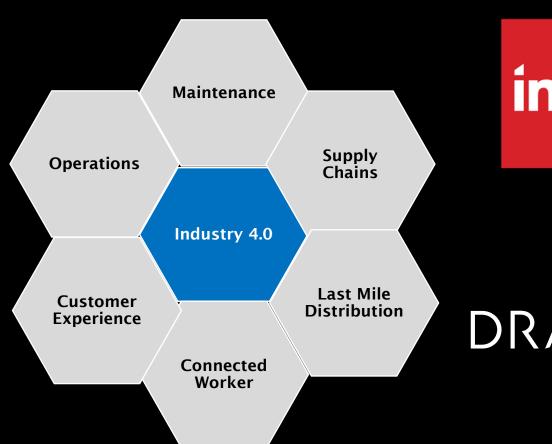
What's next?

Deloitte Smart Factory: Infor and Dragos

The future of manufacturing is here

Infor Industry 4.0 engages with strategic clients to connect people, processes, "things," and businesses to:

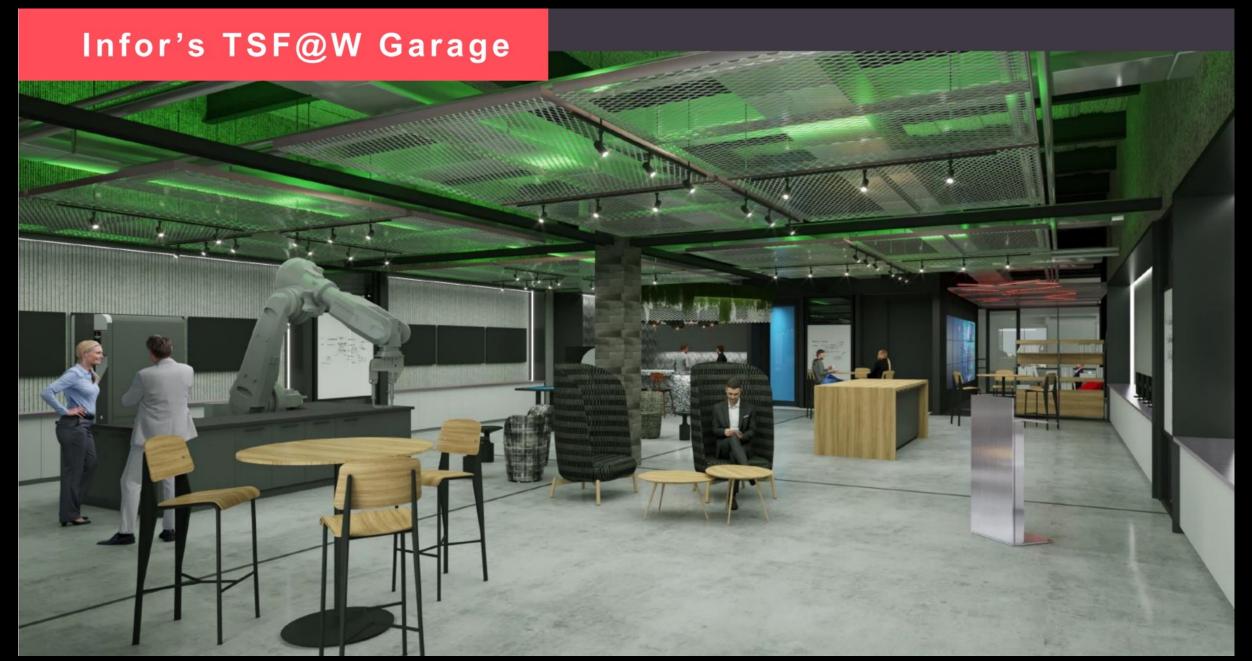
- Drive measurable business outcomes
- Make operations more nimble
- Enable businesses to be more efficient
- Provide the power to respond to volatile supply chains













Panel Session

Moderator

- Steve Applegate
 - Dragos CISO

Panelists

- Fran Cioffi
 - CISO, Georgia Pacific
- Jeremy Korger
 - OT Cybersecurity lead, Sub-Zero
- James Destro
 - Head of Manufacturing Industry Products, ServiceNow









Dragos Platform Jimmy Graham Senior Director of Product Management, Dragos

FOR INDUSTRIAL CYBERSECURITY

NEIGHBORHOOD KEEPER

Collective defense & community-wide visibility

DRAGOS PLATFORM

OT WATCH

Managed ICS/OT network visibility, threat hunting, & incident triage





THREAT DETECTION



INVESTIGATION & RESPONSE



VULNERABILITY MANAGEMENT















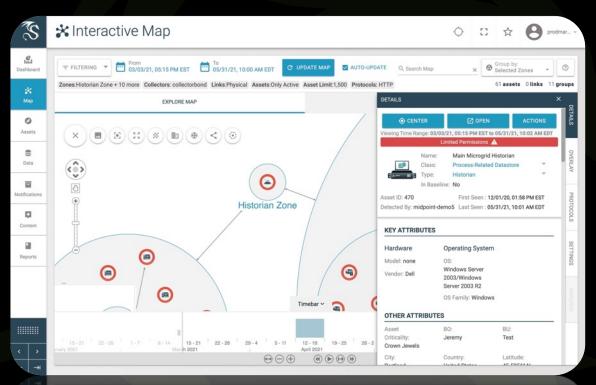








ASSET VISIBILITY & ANOMALY DETECTION



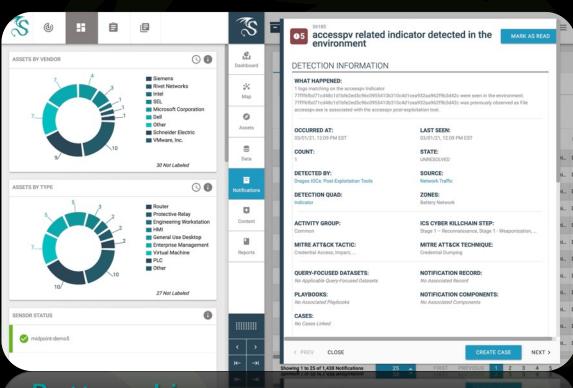
- See OT network traffic and assets
- ✓ Timeline and historical views
- Highly customizable zoning
- ✓ In-depth asset details including device type, vendor, firmware, model, and more

Bottom Line:

Dragos has the richest asset visibility solution in the industry with fine grained filtering and historical "point in time" precision that lets teams quickly separate signal from noise



THREAT ANALYTICS MAPPED TO MITRE ATT&CK for ICS



- Continuous threat monitoring
- Context rich threat detection
- ✓ Mapped to MITRE ATT&CK for ICS
- Unique adversary Indicators and Tactics, Techniques, and Procedures (TTP)

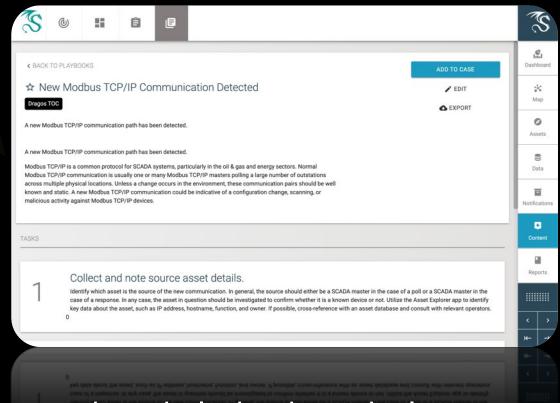
Bottom Line:

Dragos's unique threat analytics are the most effective way to detect real ICS threats, and we provide actionable perspective based on unique, globally sourced intelligence.



ANALYST WORKBENCH WITH INVESTIGATION PLAYBOOKS

- Case management and workbench
- Pre-made queries for alert triaging
- ✓ Playbooks for each threat analytic
- Step-by-step guides to investigations



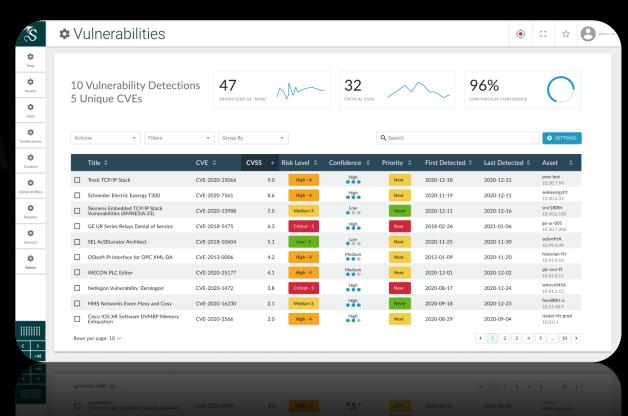
Bottom Line:

Dragos provides highly differentiated, expert-authored playbooks with clear, prescriptive guidance. Our distinct expertise and field experience are unmatched.



VULNERABILITY MANAGEMENT

- ✓ Purpose built for OT, uses our own vulnerability knowledge base
- ✓ Vulnerability Intelligence we add unique guidance to vulnerabilities beyond ICS-Cert
- ✓ Vulnerability Management Process: now, next, never

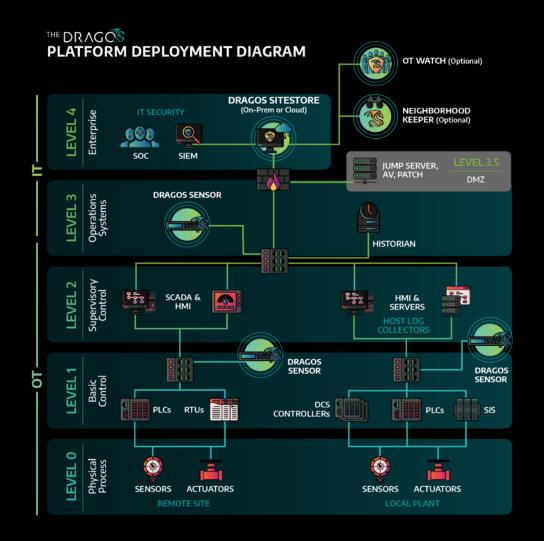


Bottom Line:

Dragos's vuln management solutions provide the most accurate and complete information available; focused effort on highest priority issues mitigates risk and minimizes wasted time



PLATFORM DEPLOYMENT





Dragos SiteStore

Deployable on-premise or in AWS cloud Managed Hunting option available for cloud.



Traffic Collection

Dragos sensors are primarily deployed via network span or tap as DIN-Rail mounted, ruggedized, and enterprise-class options



Logs and/or PCAPS

Consume network traffic and logs such as Windows Events and Syslog



Integrations

Utilize existing infrastructure, systems, devices, and tools



Dragos Sensors

- Passive collection
- Multiple form factors
- Ruggedized
 - DIN Rail
 - SEL-3355
- Virtual Sensors



25 Mbps Rugged / Industrial Rated DIN Rail / Wall Mount



100 Mbps Rugged / Industrial Rated 3U Rackmount (SEL-3355)



100 Mbps Desktop / 1U Rack Mount Kit



1 Gbps 1U Rackmount



WORKFLOW INTEGRATIONS

SIEM

Firewall and Network

CMDB

Historian

Endpoint

SOAR





servicenow.























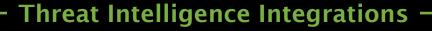














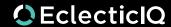


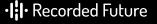




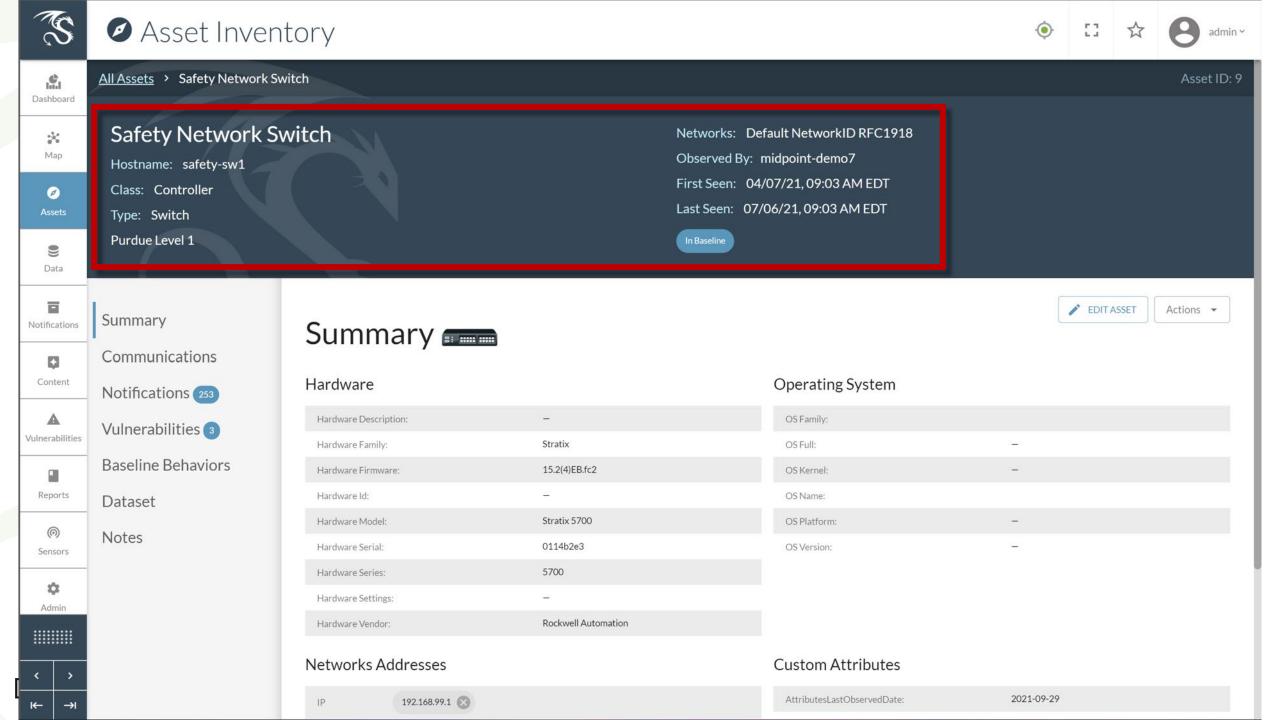


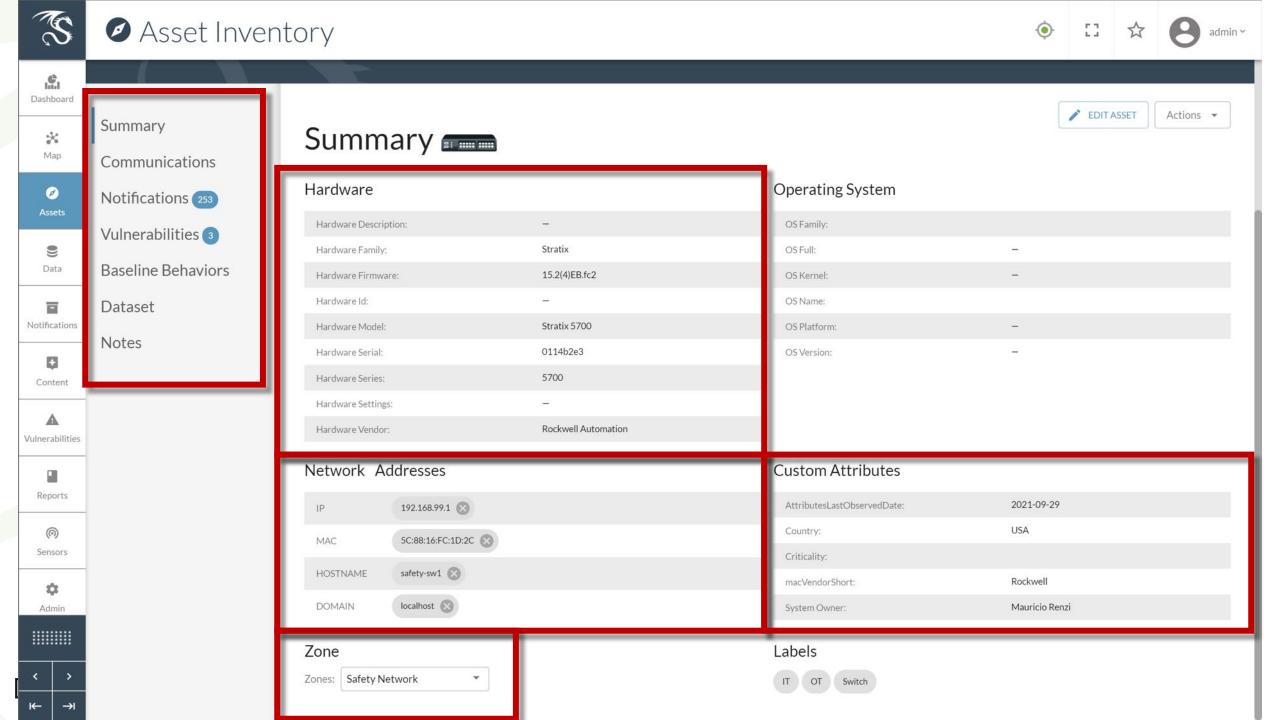


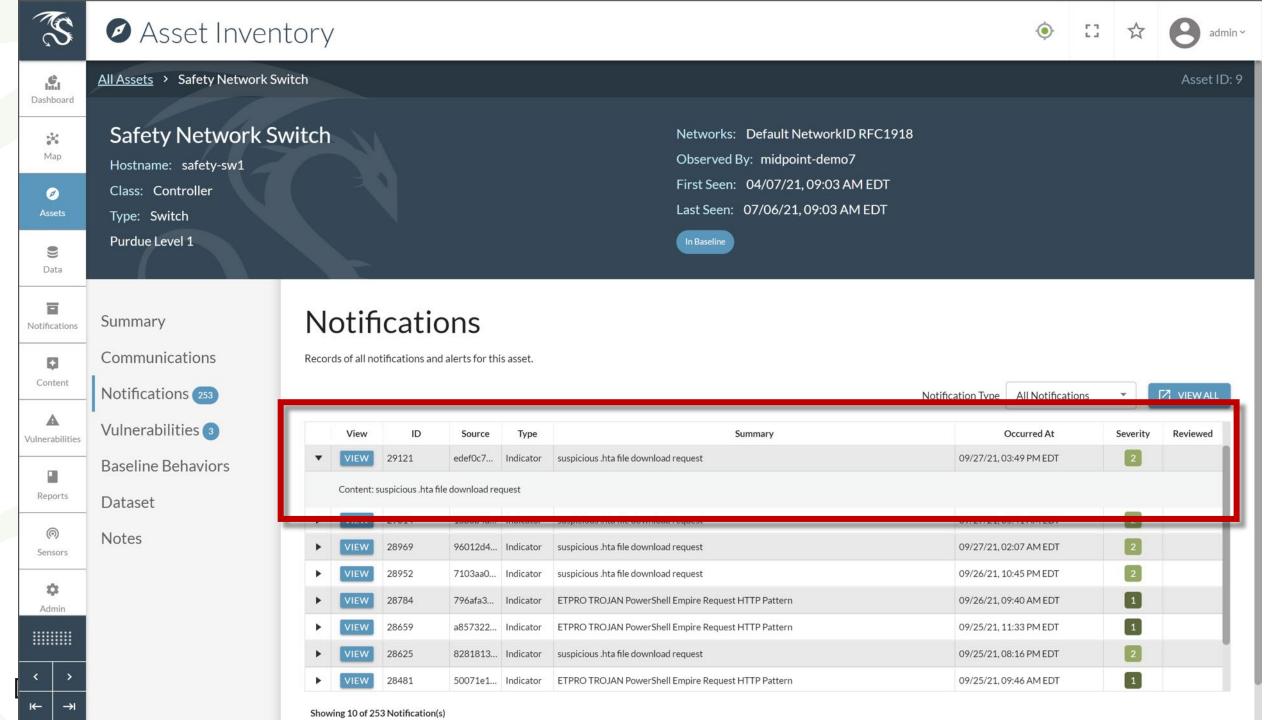


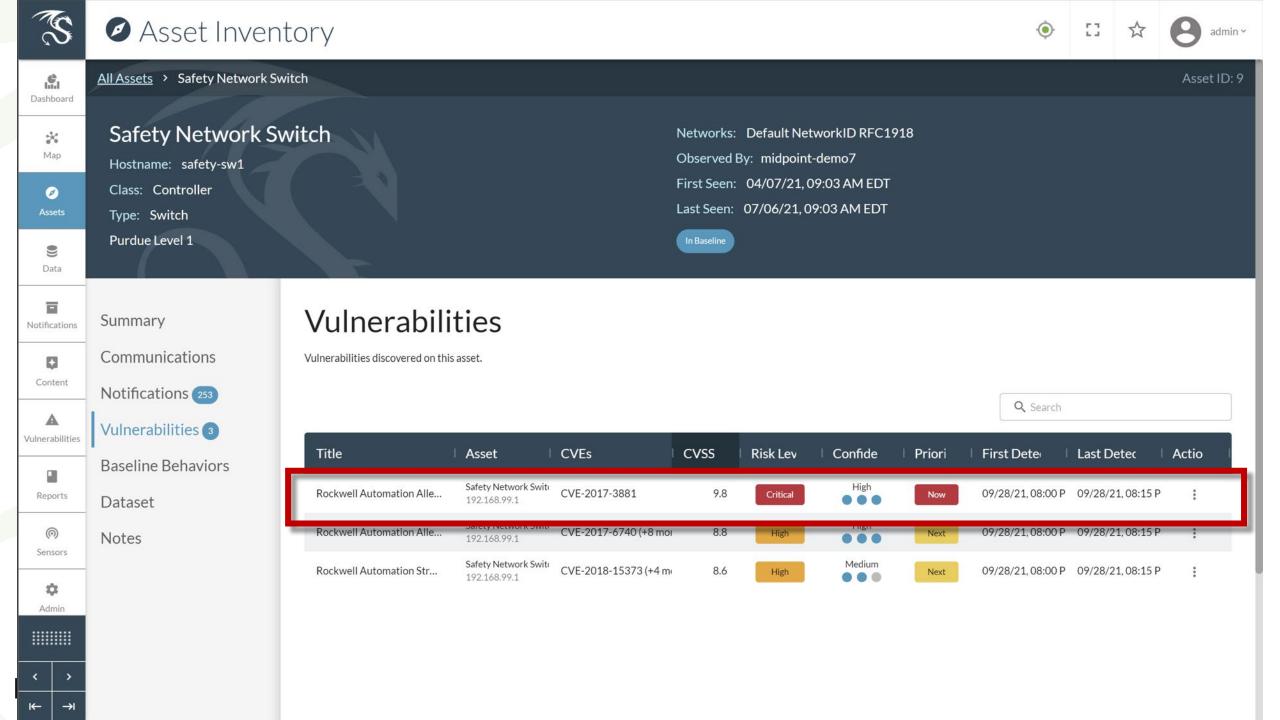


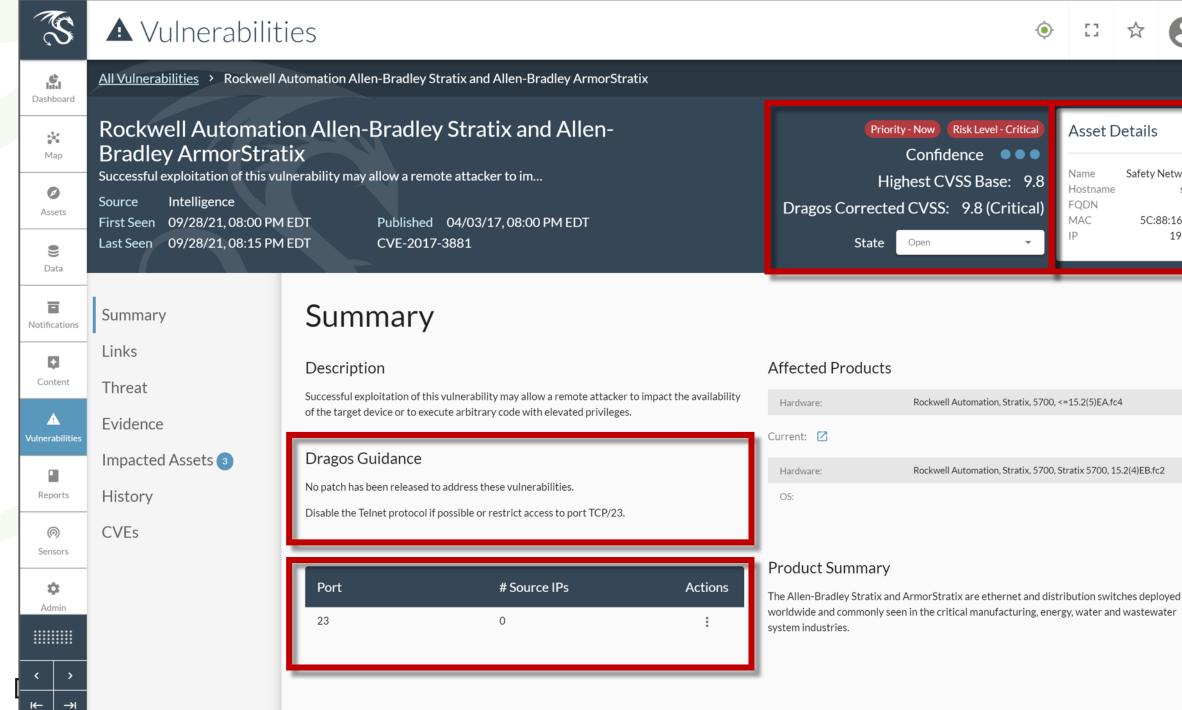












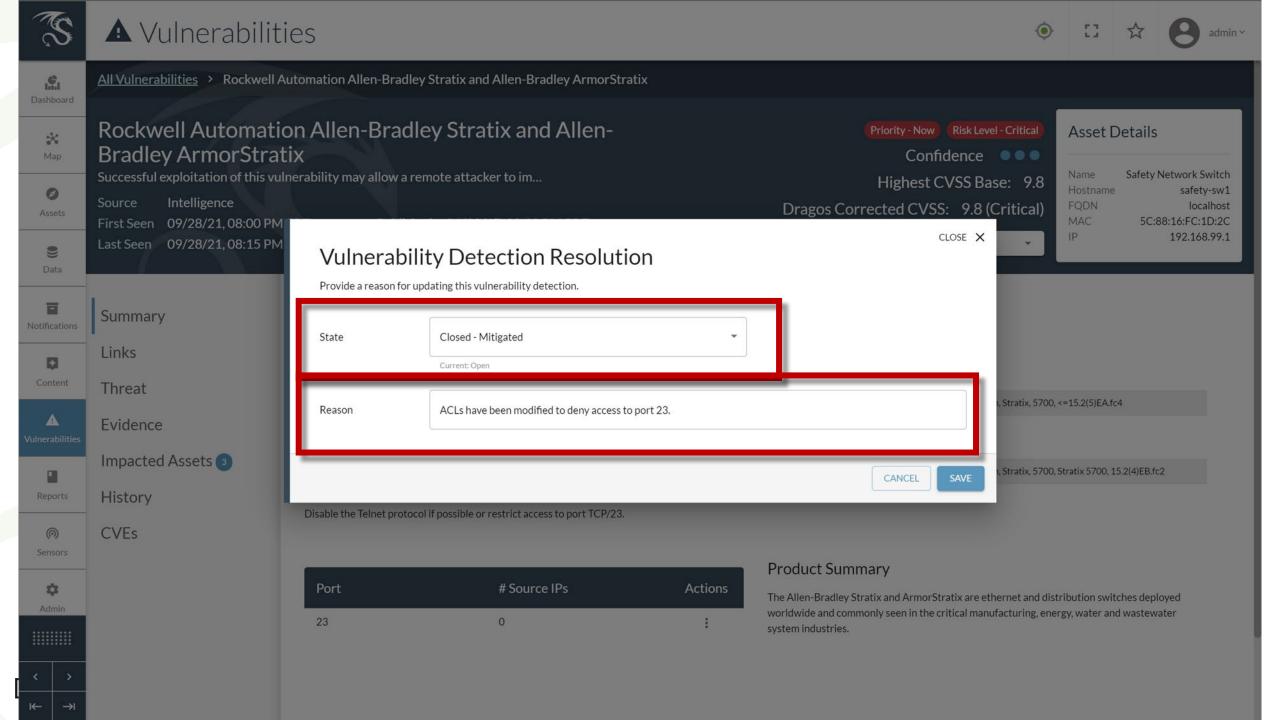
Safety Network Switch

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safety-sw1

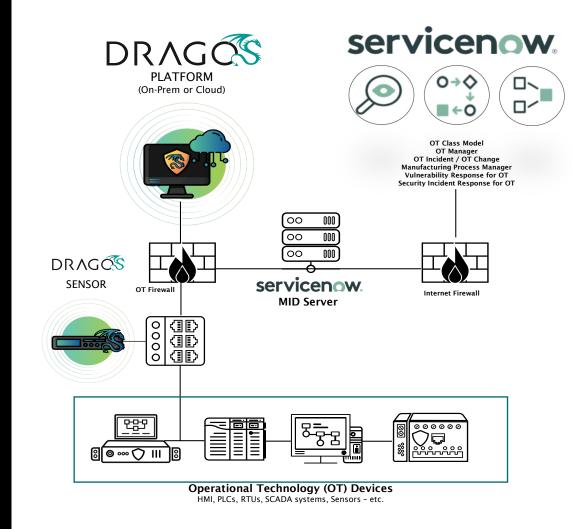
192.168.99.1

localhost



ServiceNow Integrations

- ServiceNow OT Manager
 - Asset Visibility into OT/ICS
 - Service Graph connector
 - MID Server support
- Coming soon:
 - Vulnerability Response for OT
 - Security Incident Response for OT





THANK YOU

Resources

- Dragos in the Deloitte Smart Factory @WSU
 - www.dragos.com/smartfactoryvideo
- An Executive Guide to Industrial Cybersecurity
 - www.dragos.com/resource/executive-guide-to-industrial-cybersecurity/
- Dragos Manufacturing Threat Perspective
 - www.dragos.com/resource/manufacturing-threat-perspective/
- · Vulnerability management white paper
 - www.dragos.com/platform/vulnerability-management/
- Asset management white paper
 - www.dragos.com/platform/asset-visibility/

Schedule a demo: dragos.com/request-a-demo/

