Building Resilience with OT Security

FH JOANNEUM, Kapfenberg
Feb 25, 2025

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Agenda

1. Market Trends & Best Practices
2. How Splunk Adds Value
3. Customer Stories

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What's on the Industry's Mind?

Why is NIS2* so Important for OT Security?

- EU-wide legislation to boost the overall level of cybersecurity
- Start: 18 October 2024
- Strict incidence reporting mandate (24h)
- Personal liability of C-level
- Huge penalties up to €10M

Need for unified visibility across IT and OT environments

*NIS2 Directive: Network and Information Security Directive

Best Practices

IT / OT SOC: VISIBILITY ACROSS IT AND OT

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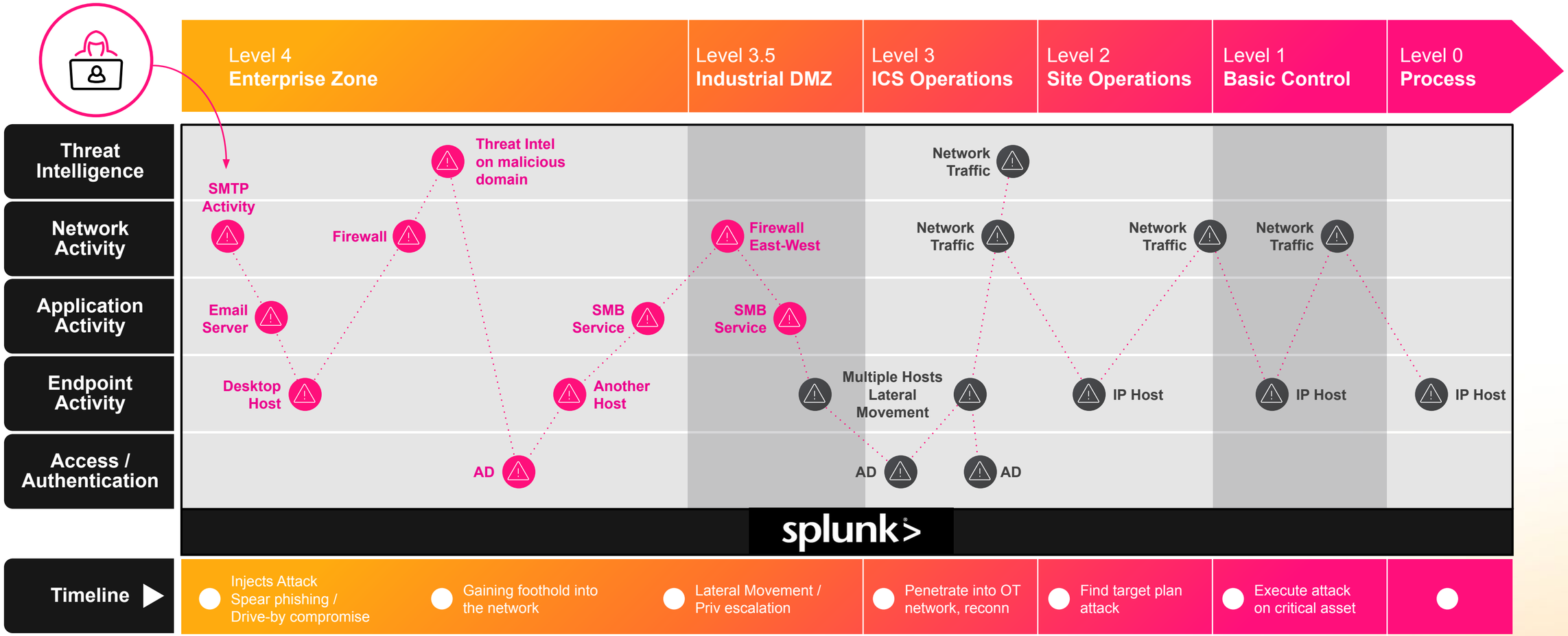
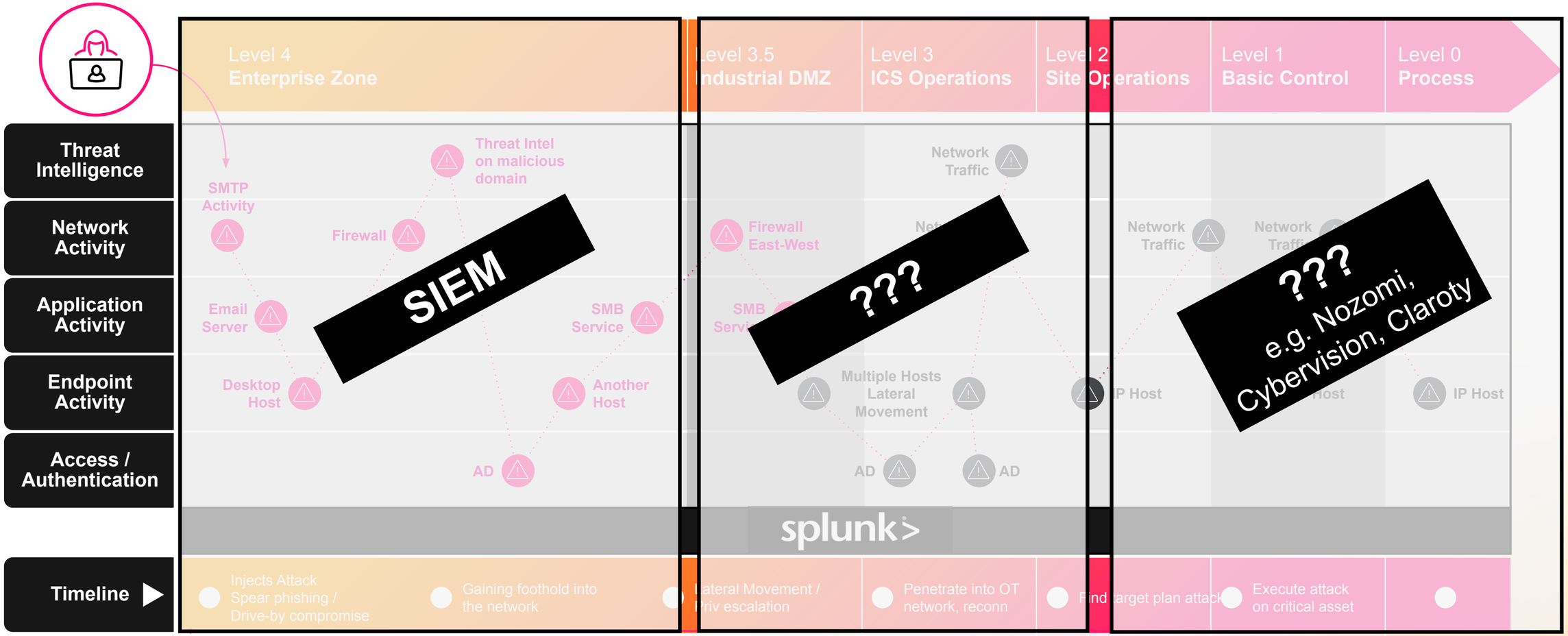
During a Cyberattack Visibility Across Zones is Essential



140 days, median days before detection

Imagine...

Where is your blind spot? 100% centralized visibility or working in silos?



Do You Know Whether You Have Been Hacked?

Worse than being hacked is not knowing you have been hacked

Where is your weakest spot in your processes and production?
You know best!

Known Knowns Things we are aware of and understand.	**Known Unknowns** Things we are aware of but don't understand.
Unknown Knowns Things we understand but are not aware of.	**Unknown Unknowns** Things we are neither aware of nor understand.

Highest risk to your environment

Best Practices

FALSE ALERTS

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Fighting False Alerts the Smart Way

- False alerts are a key challenge in OT environments:
  2,000 - 10,000 false alerts / day
- Noisy SOC leads to burnout and missing of key notables
- Solution: **Risk Based Alerting**

How Splunk Adds Value

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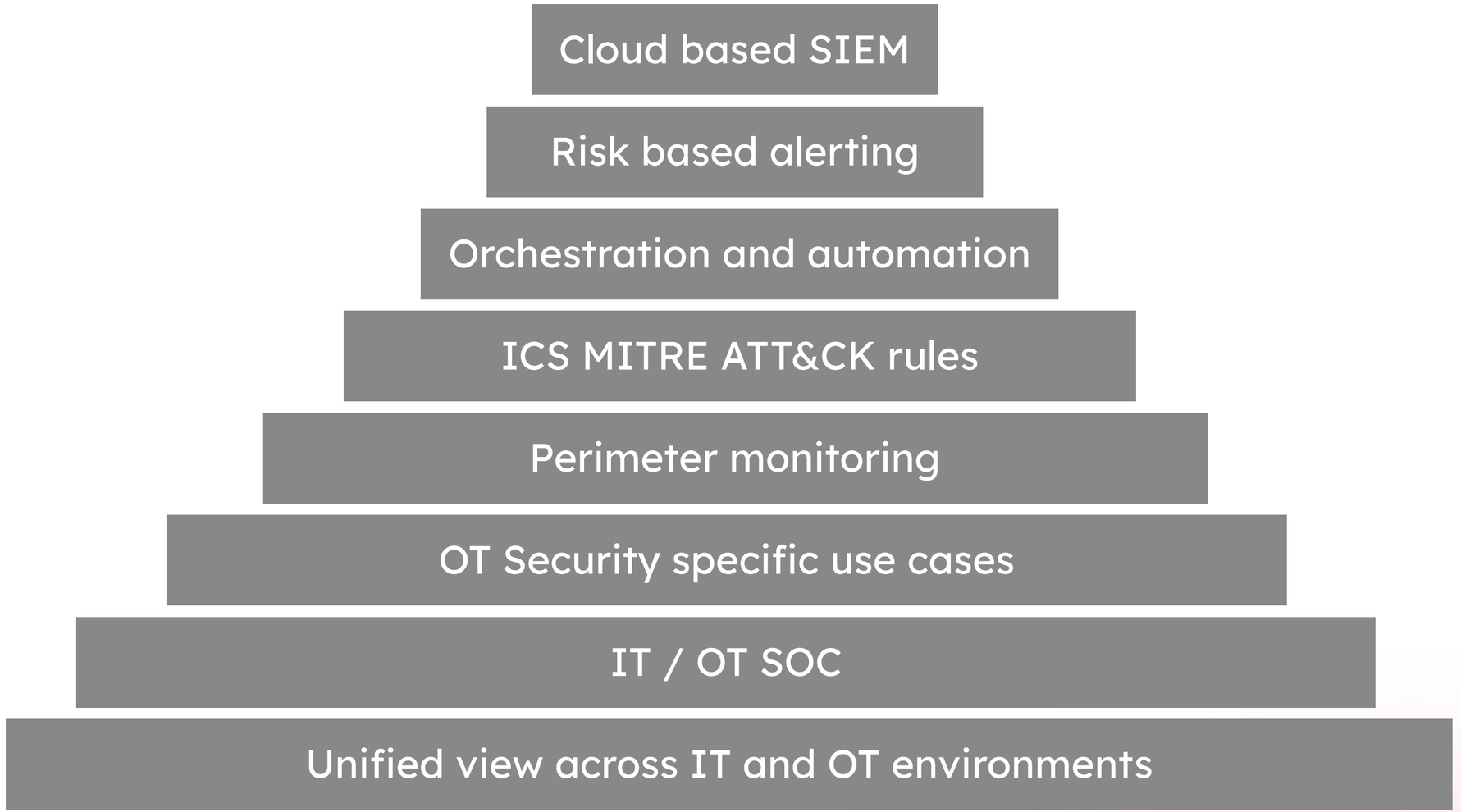
Earthquake-Proof Towers

They bend, but don’t break.

Japan is home to some of the most resilient buildings in the world

Building Resilience with OT Security



… it isn't just about dealing with the issues and challenges of today.

Rather, it's also creating a culture fortified with technology and digital tools that enable (organizations) to see around corners, to be ready for the changes that are yet to come.

Source: McKinsey, The Need for Resilience

How Can Splunk Help with IT / OT Cybersecurity?

Splunk Enterprise Security (ES)

+

Splunk OT Security Add-On

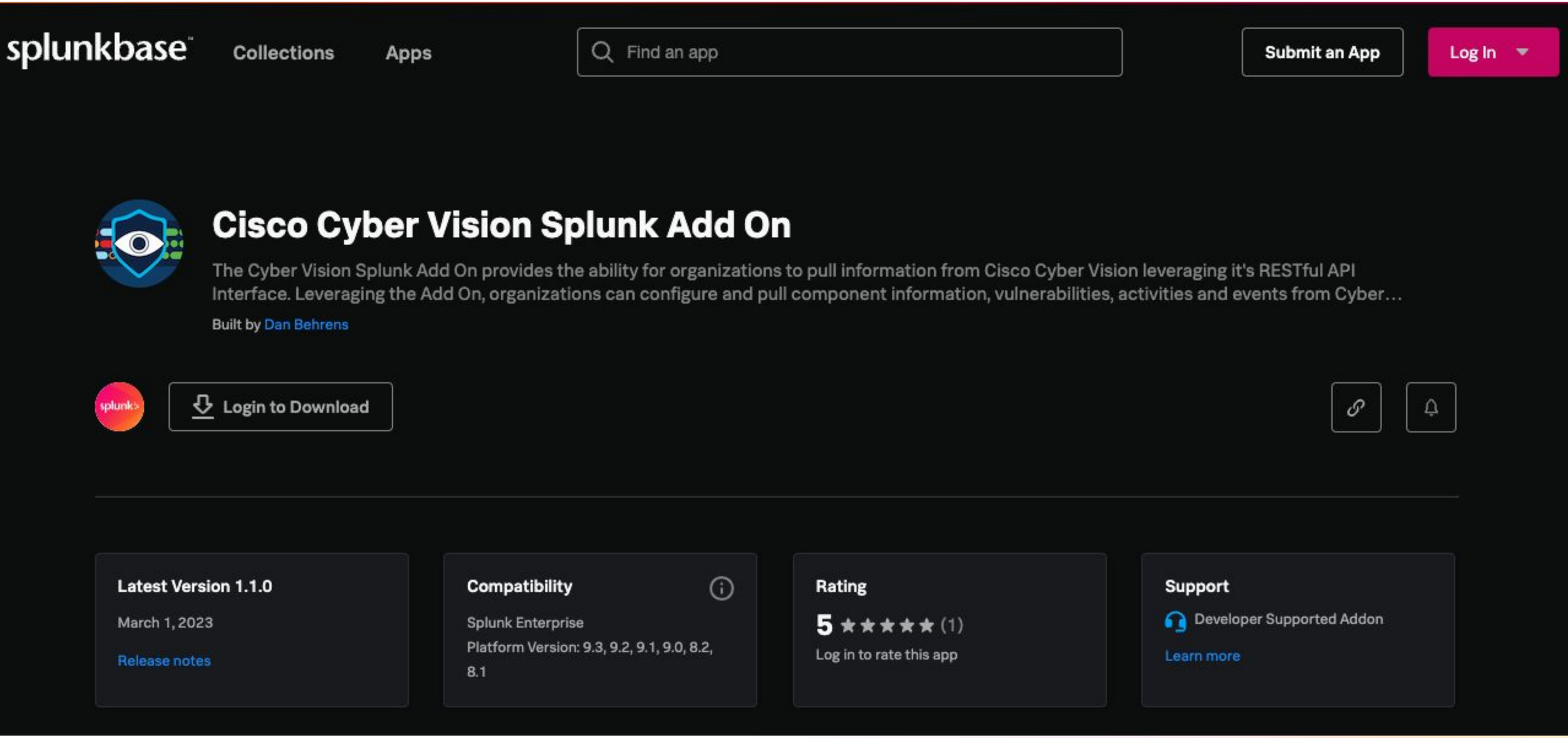
Free OT Security Add-on for ES Customers

https://splunkbase.splunk.com/app/5151/

IT + OT Security

Cisco/Splunk is a Leader in OT Security

Link to Report
with detailed vendor profiles



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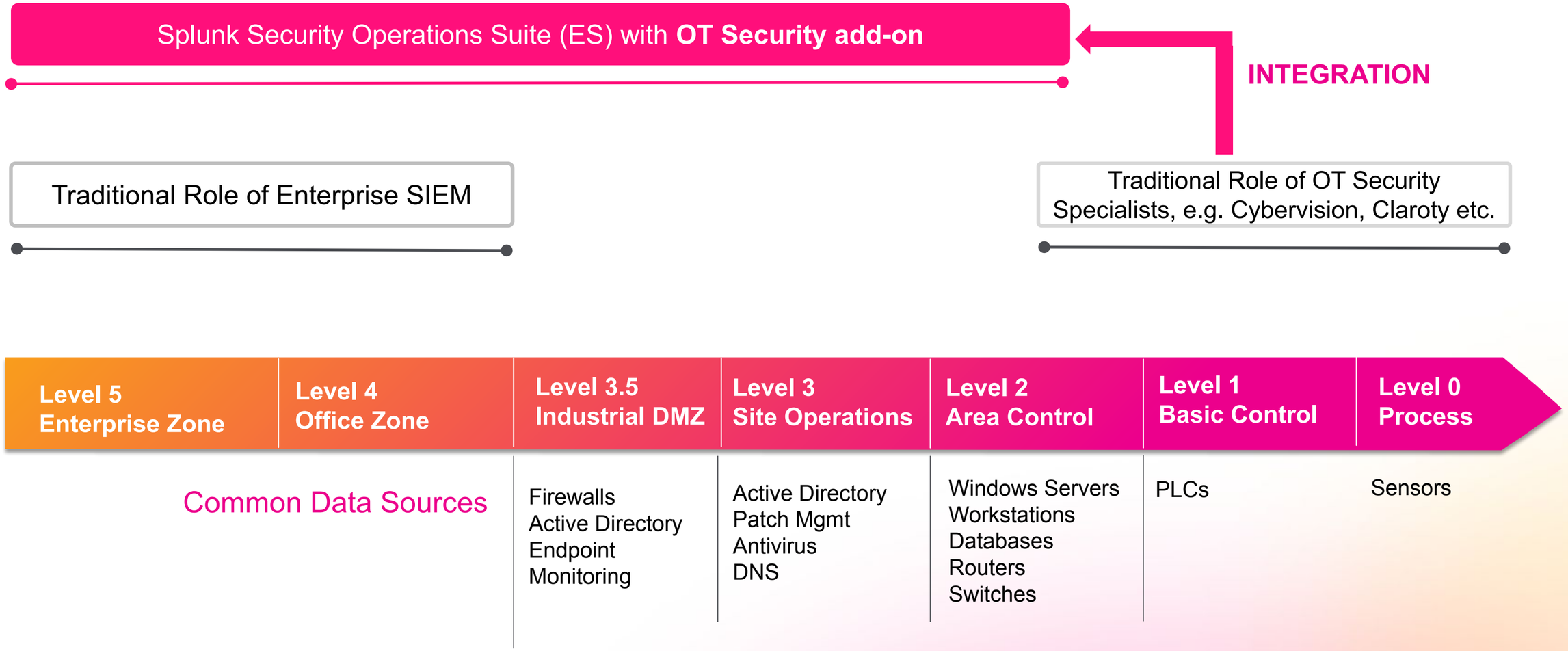
Splunk Provides Holistic Visibility Across IT & OT Environments



Customer Benefits of IT / OT Security with Splunk

Holistic Visibility across IT and OT Environments

via an central IT / OT SOC - on-premise, hybrid oder aaS (Splunk Cloud)

OT Environments Coverage

via implementation of the latest ICS MITRE ATT&CK rules
and integration of OT Security vendors, e.g. Nozomi as data sources

Security Automation & Orchestration Technologies

Risk-based Alerting
Orchestration - Automation - Response (SOAR)
Attack Analyzer

Customer References

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Customer Case

Johnson Matthey (JM)

Fighting Phishing and Closing Investigations 83% Faster

Key Challenges

JM's security team faced an overwhelming number of alerts without a means to effectively filter through and prioritize

Solution

Adopted ES, SOAR, RBA, Attack Analyzer

Business Impact

- 61% of phishing cases closed by automation with SOAR
- Reduced case management time by 83%

“Using SOAR and Splunk Attack Analyzer has enabled us to automate part of our phishing process. Our analysts deal with fewer cases because we now automatically close the ones that aren’t a real threat.

Using risk-based alerting, we’re able to fine tune precisely what we want out of the system, so all the data keeps coming for analysis, but without bombarding our SOC with irrelevant alerts.”

Nathan Lowey, Cybersecurity Engineer
Johnson Matthey

Saudi Aramco
In a COVID-19 World - Lessons Learned with OT CyberSecurity

Israeli Ministry of Energy
How Israel's Ministry of Energy applies Machine Learning to protect their Critical Infrastructure and OT Operations

EY
Splunk in P&U: Empowering OT and the Grid

Transport for New South Wales, Australia
NSOC for Your OT & IT Government Services

Blog: [OT Security is the New Avenger]

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