

## Extending Zero Trust for Workplace to Industrial IoT

Securing the workplace in industrial networks

July 2023

# Extending Workplace Zero Trust to Industrial Settings

Image: Constraint of the second sec

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#### Cisco IoT

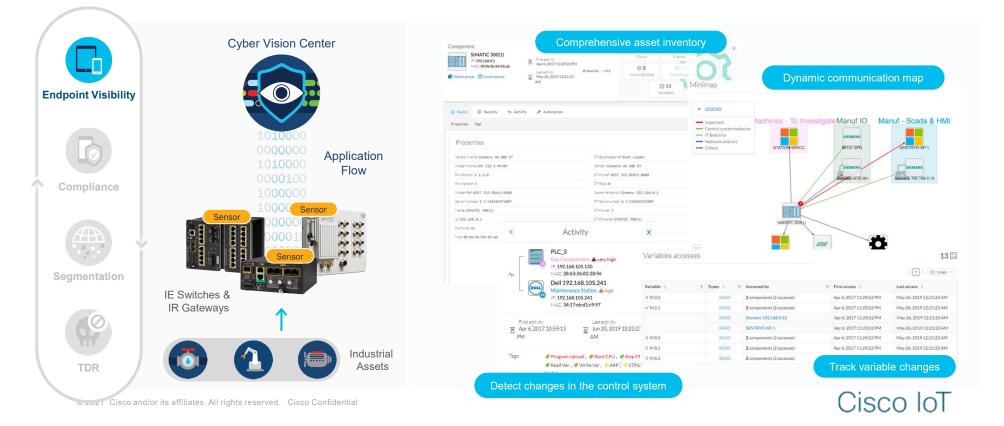
#### **Industrial Endpoint Visibility**



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## Industrial Endpoint Visibility with Cyber Vision



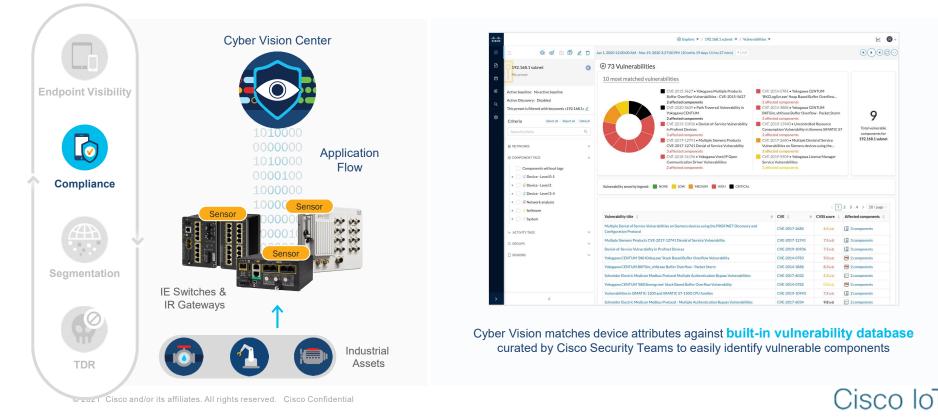
## **Endpoint Compliance for Industrial Endpoints**



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#### Industrial Device Vulnerability Detection



Session ID 6

#### Segmentation



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View application relationships to **group** endpoints into zones and identify conduits in Cyber Vision

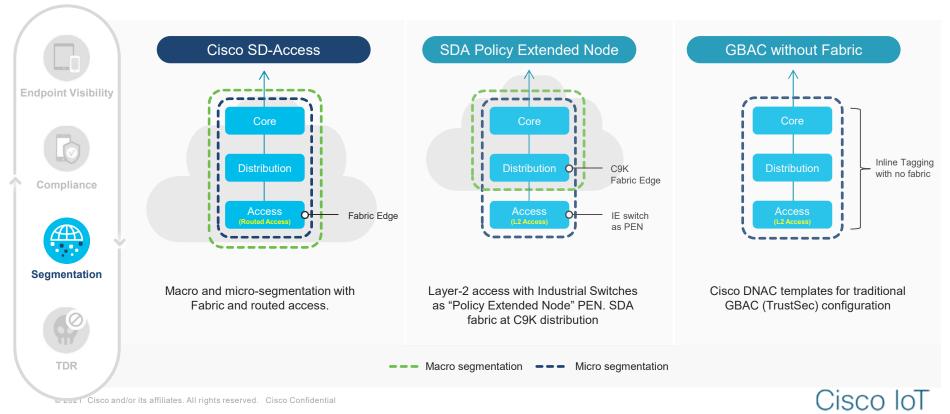
Enable OT users to dynamically map zones to scalable group tags of pre-defined TrustSec policies built by IT in ISE

Visualize traffic activity between scalable groups in DNAC policy analytics

Deploy group segmentation policy with confidence once you are comfortable with the observed network behavior using DNAC Day-n templates

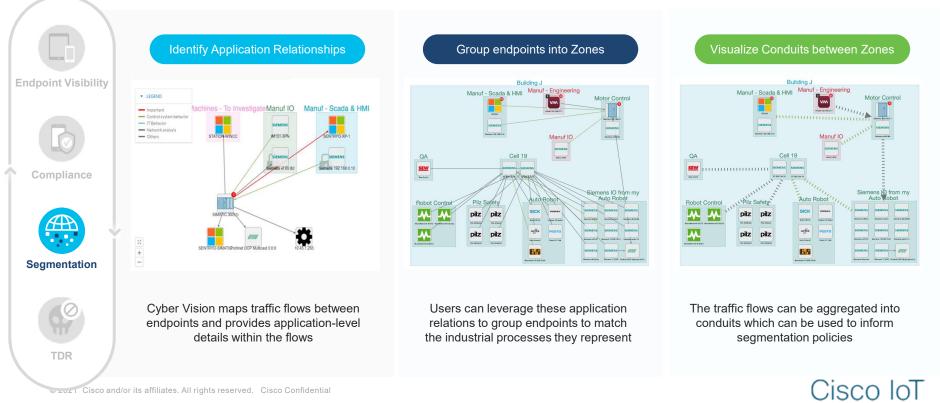


#### **Segmentation Architectures**



Session ID 8

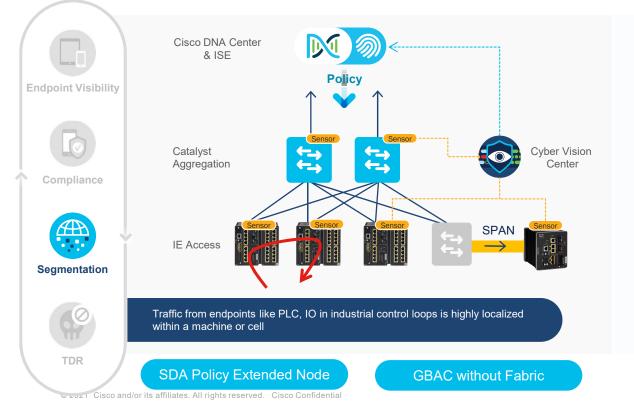
#### **Identify Zones and Conduits**



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## Bringing it all Together

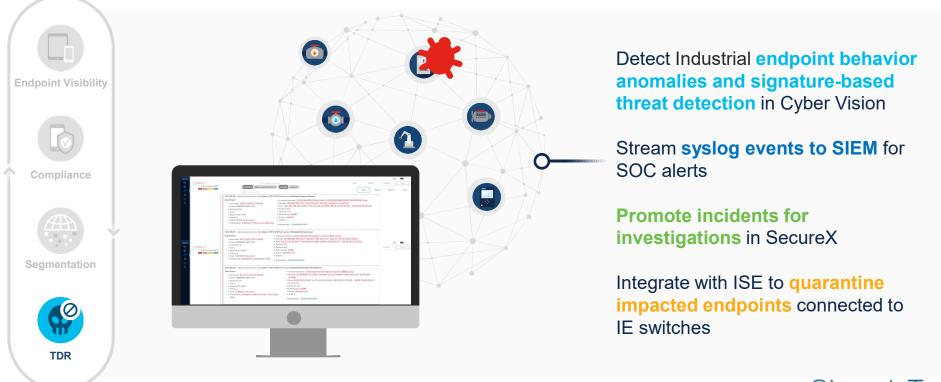
Segmenting with Visibility & Policy Analytics



- Discover endpoints and visualize application relationships in Cyber Vision to help inform creation of TrustSec group-based segmentation policies in DNAC Access Control Application
- 2. Endpoint grouping in Cyber Vision triggers pxGrid updates and results in dynamic assignment of SGTs in ISE
- 3. Visualize group-based network behavior using NetFlow traffic in DNAC Policy Analytics
- Deploy segmentation policy with confidence using DNAC Day-n templates once you are comfortable with the observed network behavior

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#### **Threat Detection & Response**



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# **CISCO** The bridge to possible