

## CLOSED-LOOP IT-OT VULNERABILITY MANAGEMENT

GO FROM ONE-TIME ASSESSMENT TO REAL-TIME MANAGEMENT

### **Highlights:**

- Vulnerability assessments in OT are often one-time or infrequent, requiring manual processes, inventory collection, and sampling
- Historical negative impact from scanning and patching on legacy Operational Technology devices
- Verve Security Center (VSC) enables OT-safe vulnerability identification across end point, access control, network, etc.
- Technology enables real time updates and ability to report progress
- Closed-loop solution enables remediation across network, patch, configuration and other vulnerabilities from single platform
- Multi-site reporting allows for central analysis and compliance visibility
- Verve Design-4-Defense services provide experienced assessment and remediation
- Lower cost, better visibility, greater security analytics, comprehensive reporting

Vulnerability management in Operational Technology (OT) environments poses a significant challenge. Legacy equipment, regulatory requirements on validated and/or quality systems, geographically distributed plants often segmented from IT networks, and proprietary embedded devices combine to create barriers to successful vulnerability and security management in these environments.

In many cases organizations conduct one-time or infrequent assessments because of the manual effort required. Consultants gather asset inventories, review network diagrams, conduct surveys and sample configurations and end point configurations. Post assessment, the organization then needs to use tools or internal labor to remediate the vulnerabilities identified. Regular vulnerability scanning tools can cause damage to sensitive OT devices, not to mention they only see end point vulnerabilities rather than a 360 degree view.

Clients need a solution that can provide:

- Rapid visibility of all IT & Operational Technology end points
- IT and OT End point vulnerability assessment without running intrusive scans
- 360 degree vulnerability visibility - not just end points, but their entire defense-in-depth (access control, networking, procedure, etc.)
- Efficient remediation of vulnerabilities with OT-safe automated tools
- Real-time monitoring of vulnerability and remediation status, rather than one-time or infrequent updates
- OT-experienced service personnel to support assessments and remediation



**ASSESS**

- **All end points**
- **Network & access**

**REMEDiate**

- **Multiple tools**
- **Single database**

**REPORT**

- **Muti-site/server**
- **Easy to use UI**

**SAFELY**

- **Non-intrusive**
- **Operator controlled**
- **Proven**

Verve Industrial Protection provides tech-enabled, automated vulnerability management for IT-OT environments. Leveraging its distinctive Verve Security Center (VSC), Verve provides an OT-safe platform for rapid inventory visibility, 360-degree vulnerability assessment, and “closed-loop” remediation. A tool is only part of the answer, however. Verve also provides dedicated industrial control system experts that not only provide vulnerability information, but also have the networking and controls expertise to design specific remediation solutions

**FEATURES**

- Integrated assessment across all vendors of IT-OT-IOT systems.
- OT-safe vulnerability assessment with no need for risky scanners
- Software-based Agent & Agentless architecture deploys in minutes
- 360-degree assessment across all elements of cyber security: end points, network design and access, access control, and policy/procedures
- “Closed-loop” remediation from the same platform
- “Think global, act local” architecture allows for efficient analysis and planning, and controlled local actions
- Rapid, RestAPI integrates with current tools

**BENEFITS**

- More efficient, integrated IT-OT solution
- Lower cost, faster deployment, and greater coverage than alternative OT options
- No impact on network or end point performance with agent/agentless architecture
- Deeper assessment by analyzing every end point and network connection rather than samples or only end points
- Faster time to resolution with a closed-loop vulnerability management from the same technical platform
- Proven safe for all OT environments
- Easy-to-use for operations personnel with little additional training required
- Turn-key, expert support to ensure timely delivery and OT buy-in