TENABLE.OT & SERVICENOW

BUSINESS CHALLENGE

Operational technology (OT) infrastructures encompass all critical infrastructure and manufacturing organizations. This is not new, however what has changed is the attack surface resulting from convergence of IT and OT operations as well as the sheer number of attacks against OT operations. Attack surfaces have expanded and attack vectors have increased, thus requiring the need for comprehensive visibility, security, and effective response control across converged operations. Furthermore, a single system of record and management of workflows is necessary in order to comprehensively secure these ever expanding, complex and vital environments.

SOLUTION

Tenable has partnered with ServiceNow to offer a fully integrated solution which empowers OT operators to maintain a deep situational awareness of exactly what is happening in their environment both in real-time and historically. Tenable.ot provides unimpeded visibility, asset inventory, network and device based threat hunting, vulnerability management and response, configuration control. This combined with ServiceNow functionality, OT organizations can gain peace of mind in the security, resiliency, and highly efficient workflows and response of their entire operational environment.

KEY COMPONENTS

Comprehensive Visibility

Up to 50% of your OT infrastructure contains IT assets. Attacks can easily propagate across IT/OT infrastructure. Tenable.ot provides complete visibility into your converged attack surface while measuring and controlling cyber risk across your OT and IT systems. Tenable.ot integrates with the Tenable product portfolio as well as ServiceNow.

The Joint Solution

ServiceNow® receives critical intelligence from Tenable.ot, thus revealing crucial information about your digital services and the infrastructure that supports them. It enables your key operational processes, helping you to predict, prevent, and resolve service outages, minimize the risk of changes, and respond quickly to end users. Over time the ServiceNow next-generation system of record

TECHNOLOGY COMPONENTS

- Tenable.ot
- ServiceNow

THE CHALLENGE

- Security blindspots across the converged IT/OT infrastructure
- No accurate and up-to-date inventory of assets down to a very granular level
- Lack of reliable detection and response methods for vulnerabilities across the OT infrastructure
- No unified "single source of truth" to view and manage converged IT/OT operations

KEY BENEFITS

- Gain visibility across your entire OT environment inclusive of IT, IoT and OT assets
- Respond quickly, reduce errors through coordinated vulnerability response all of your IT, IoT and OT assets
- Deep situational awareness into every asset so you'll always have full awareness of device state and status
- Extend your existing workflows and ticketing system beyond IT operations to include IoT and OT infrastructures

becomes even more mission critical. By implementing the joint Tenable.ot and ServiceNow®, the solution extends beyond operations into areas such as planning, application development, deployment, cost optimization, and more, creating a broad and deep data foundation that helps you to manage the entire digital service lifecycle.

Asset Management

Tenable.ot gives you deep insights and unparalleled situational awareness into your infrastructure without impacting operations. This patented approach gathers far more information than network monitoring alone, including identification of devices that do not communicate on your network.

Risk-Based Vulnerability Management

Tenable.ot leverages domain expertise in industrial security for OT assets, and Nessus for IT assets. Tenable's VPR scoring generates vulnerability and risk levels using each asset in your ICS network. Reports include detailed insights, along with mitigation suggestions. This enables authorized personnel to quickly identify the highest risk for priority remediation before attackers can exploit vulnerabilities.
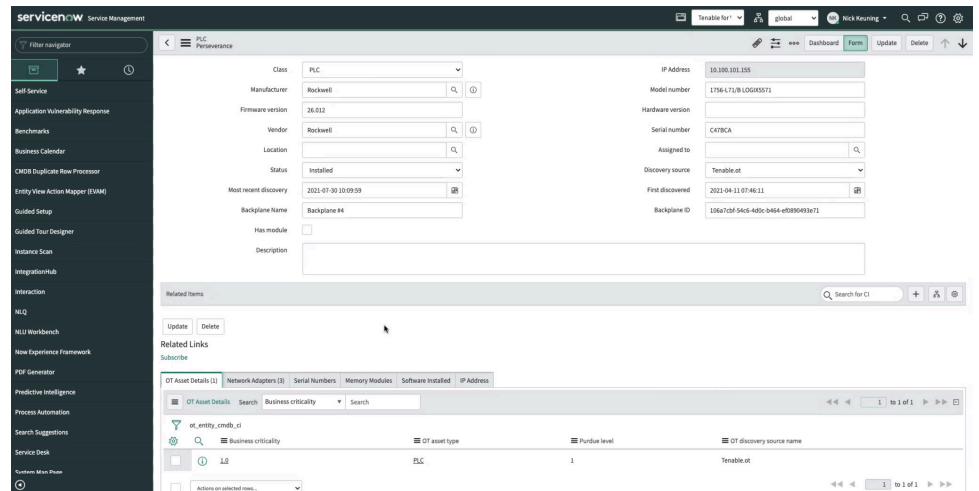
The integrated solution provides the ability to coordinate and streamline the management, prioritization and remediation of all your IT and OT vulnerabilities. Together, Tenable and ServiceNow provide improve operational efficiency and vulnerability intelligence for your applications, systems and devices to automate the tracking of security issues to quickly and effectively respond to threats.