Radiflow

OPSCURA

Joint solution reduces operational risks with end-to-end OT cyber-protection

Cyberattacks on operational environments are escalating at a disturbing rate. As the cyber environment becomes more complex, operators of cyber physical systems (CPS) must segment their networks and cloak legacy assets that are less resistant to attack. They need to monitor their networks, assets, and communications continuously to make sure that operations are not compromised by bad actors.

Opscura and Radiflow have teamed up to offer a joint solution that enables rapid and cost-effective segmentation and protection of OT networks and critical devices while delivering network visibility, automatic threat detection, and prompt, data-driven risk assessments.

COMBATTING CYBER THREATS AND RISK

Opscura's drop-in solutions bypass reconfiguration, downtime, and heavy expenses, making OT network security cost-effective, simple, and immediate. Opscura equipment transmits compressed and encrypted traffic to the Radiflow OT Security Platform. Deployed on-site or remotely, Radiflow monitors and analyzes the security of the network non-stop, detecting anomalies that might indicate cyber incidents.

JOINT SOLUTION BENEFITS

- Enhanced security through segmented network and encrypted monitoring

- Continuous risk management via automatic safe and secure data collection from the network

- Flexible and scalable architecture that adapts to industrial environments across multiple sites

- Cost-effective compliance with data privacy and operational security directives and regulations such as NIS2, IEC 62443, and NIST CSF

Providing a convenient industrial site-wide view, Radiflow maps network topology, including segments, devices, zones, and conduits. Its machine learning automatically establishes an accurate baseline of normal network and asset behavior and communications. It also allows operators to input and maintain operational and security policies and adds these to the baseline. As Opscura delivers packets of traffic, Radiflow continuously monitors the network and promptly detects behavior and policy deviations that signify cyberattack. The Radiflow platform also utilizes the collected data for rapid risk assessments per site and overall.

KNOWING YOUR ASSETS

Radiflow continuously discovers and builds a complete inventory of legacy and modern assets while vigilantly protecting them to ensure safe, cyber-free operation. The always-up-to-date asset inventory may be uploaded to third-party asset management systems.

CYBER COMPLIANCE

OT environments increasingly operate under strict regulations and standards that require advanced cybersecurity and risk management. The Radiflow-Opscura joint solution ensures compliance with NIS2, IEC 62443, NIST CSF, and industry best practices.

MANAGING ALERTS EFFICIENTLY

Radiflow alerts on behavior anomalies with rich context, enabling security analysts to respond rapidly, either directly via Radiflow or through the SOC. Alerts and playbooks can be shared with SIEM and other cyber solutions.
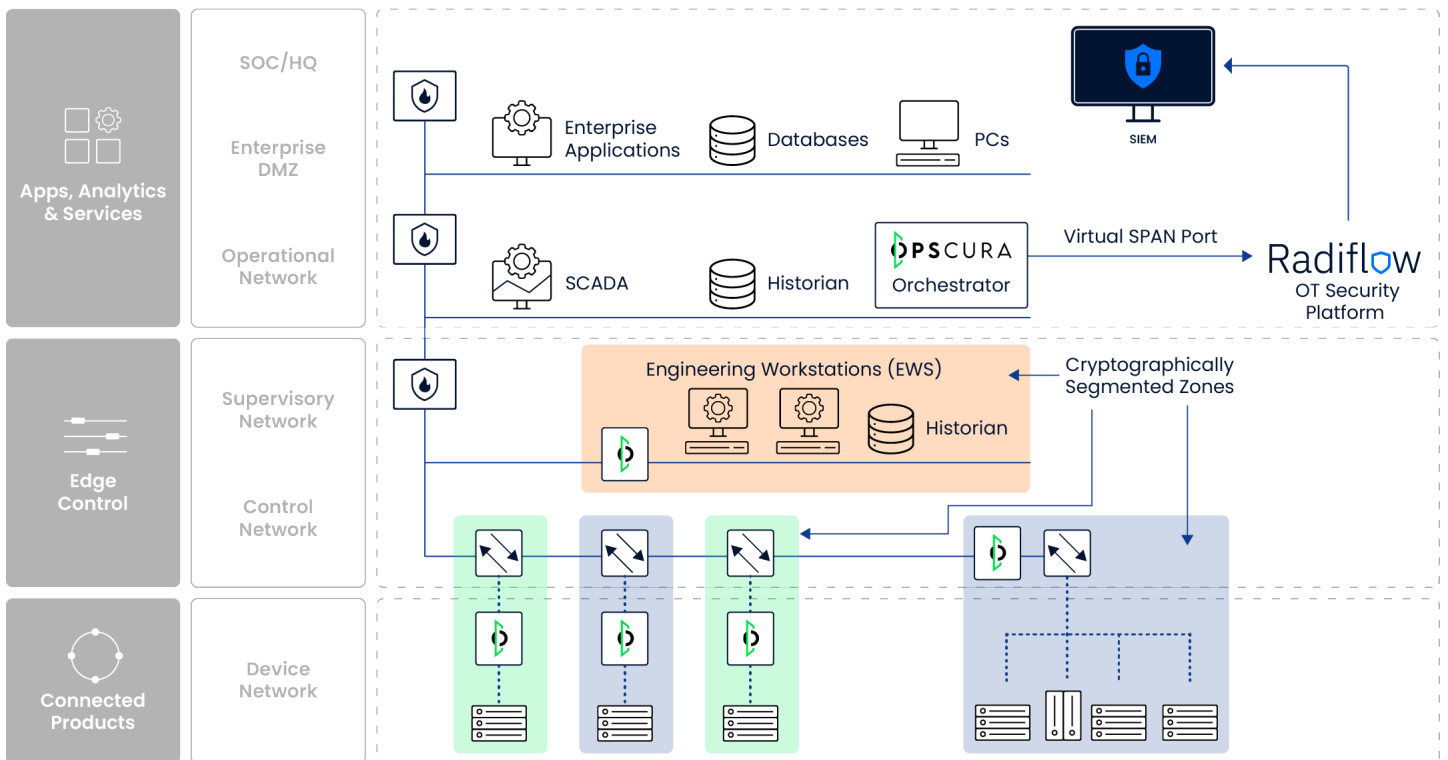
In the joint solution, Opscura equipment creates three cryptographic segments: orange for engineering workstations and blue and green for plant processes. Opscura allows the operator to easily control what traffic is allowed to flow between and within the cryptographically segmented zones. Network traffic is fully encrypted, cloaking it from observation. Traffic from outside the zones is rejected, preventing access to sensitive equipment and protecting OT assets. Opscura equipment mirrors all traffic and sends it, via the Opscura Orchestrator, to the Radiflow OT Security Platform where it is analyzed for deviations from proper behavior and used for per-site and overall risk assessment.

CENTRAL CYBER MANAGEMENT OF MULTIPLE SITES

The Radiflow OT Security Platform simplifies and streamlines the monitoring and management of multiple sites. Users are able to observe the security status and activities of each site with easy drill-down to detailed information. Radiflow can share alerts, asset inventory, and other information with the SIEM and other SOC and enterprise solutions.

Radiflow

Radiflow develops OT Security and Risk Management solutions that ensure operational resilience and compliance, and optimize cybersecurity expenditure while minimizing risk. Radiflow's solutions enable local or centralized deployment, and integrate with leading technology-partner platforms. Now part of the Sabanci Group, Radiflow protects over 8,000 sites worldwide. Visit us at www.radiflow.com

OPSCURA

Opscura protects and connects industrial networks with easy-to-use innovations that are safe to use deep within operational infrastructure. Validated by global partners such as Schneider Electric, Opscura reduces operational risks by protecting vulnerable legacy industrial assets and data, eliminating deep-level attacker footholds, and enriching threat visibility data. Brownfield and greenfield global customers rely on Opscura for OT cloaking, isolation, and Zero Trust authentication, together with simplified IT-OT connectivity.

Learn more about Opscura's Spanish Basque region roots and follows us through **www.opscura.io**