How DeviceTotal Assists Organizations with Implementing the EU Cyber Resilience Act (CRA)

The EU Cyber Resilience Act (CRA) establishes rigorous requirements for cybersecurity in digital products across the European Union. DeviceTotal, with its comprehensive ML-powered cybersecurity platform, offers valuable support to organizations aiming to comply with the CRA's standards for their OT, IoT and network assets. Here's how DeviceTotal can assist:

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1. Comprehensive Vulnerability Management

CRA Requirement: Products must be secure by design and maintained throughout their lifecycle with regular updates. (Article 5, Section 1)

DeviceTotal's Solution:

- **Ongoing Vulnerability Tracking:** DeviceTotal continuously monitors for new vulnerabilities across a vast range of devices and software. It ensures that organizations are aware of any security flaws that may affect their products.
- **Proactive Threat Detection:** The platform identifies and assesses vulnerabilities as they emerge, allowing organizations to promptly address and mitigate potential threats before they can be exploited.
- **Lifecycle Management:** DeviceTotal helps maintain security throughout the entire product lifecycle, from design and deployment to end-of-life, with its EOL unique indication, ensuring ongoing compliance with CRA requirements.

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2. Risk Assessment and Mitigation

CRA Requirement: Companies must conduct risk assessments and implement measures to mitigate identified risks. (Article 6, Section 1)

DeviceTotal's Solution:

- **Automated Risk Assessments:** DeviceTotal provides automated, continuous risk assessments that analyze the security posture of all connected devices. This helps organizations identify and prioritize potential threats.
- **Actionable Insights:** The platform offers specific, actionable recommendations for mitigating risks, tailored to the organization's unique device landscape. This includes detailed guidance on patch management and configuration adjustments.
- **Remediation Planning:** DeviceTotal helps organizations develop and implement effective remediation plans, ensuring that all security vulnerabilities are addressed promptly and efficiently.

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3. Compliance Monitoring and Reporting

CRA Requirement: Organizations must demonstrate compliance with cybersecurity standards and report significant security incidents.(Article 7, Section 1)

DeviceTotal's Solution:

- **Comprehensive Compliance Reports:** DeviceTotal generates detailed compliance reports that document the organization's security measures and status, making it easier to demonstrate adherence to CRA requirements.
- **Regulatory Alignment:** DeviceTotal helps align security practices with CRA standards, offering clear visibility into compliance status and highlighting areas that require attention.

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4. Centralized Security Management

CRA Requirement: Organizations need a unified approach to managing security across all digital products.(Article 5, Section 4)

DeviceTotal's Solution:

- **Unified Dashboard:** DeviceTotal provides a centralized dashboard that offers a holistic view of the organization's security posture, as well as site and device level, encompassing all devices and systems. This simplifies security management and ensures comprehensive oversight.
- **Device Inventory Management:** The platform maintains a detailed inventory of all connected devices, including IoT and OT legacy systems, ensuring that no device is overlooked in security planning.
- **Integration with Existing Systems:** DeviceTotal integrates seamlessly with existing IT and security infrastructures, enabling unified management and streamlined workflows across different platforms and tools.

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5. Proactive Security Measures and Knowledge Sharing

CRA Requirement: Continuous improvement and adaptation to emerging threats are essential for maintaining robust security.(Article 8, Section 2)

DeviceTotal's Solution:

- **Proactive Threat Intelligence:** DeviceTotal provides access to the latest threat intelligence, including updates on emerging vulnerabilities and attack vectors, sourced directly from the vendor's advisory and reliable sources, ensuring that organizations stay ahead of potential threats.
- **Knowledge Sharing and Training:** The platform facilitates knowledge sharing within the organization by generating insightful reports and documentation that can be used for training and awareness programs.
- **Preparedness and Resilience:** DeviceTotal helps organizations build a resilient security framework that can adapt to evolving threats, maintaining robust defenses against cyberattacks.

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6. Advanced Features for Enhanced Security

CRA Requirement: Organizations must adopt advanced security measures to protect against sophisticated threats.(Article 9, Section 1)

DeviceTotal's Solution:

- **End-of-Life (EOL) Indicators:** DeviceTotal tracks EOL information for devices, alerting organizations when products are no longer supported and need to be replaced or upgraded.

- **“In the Wild” Alerts (CISA Known Exploited Vulnerability):** The platform provides alerts for vulnerabilities actively exploited in the wild, helping organizations prioritize urgent remediation efforts.
- **Vendor Support and Workarounds:** DeviceTotal offers comprehensive support for a wide range of vendors, providing workarounds and mitigation recommendations, for swift risk elimination, and when an update is not applicable.
- **Holistic Visibility and Coverage:** The platform ensures complete visibility into the security status of all devices, regardless of vendor or type, providing a comprehensive approach to cybersecurity management.

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7. Vendor Management:

CRA Requirement: Manufacturers must report any significant cybersecurity incidents to relevant authorities. (Article 11, Section 1)

DeviceTotal’s Solution:

- DeviceTotal has a unique capability of indicating “non-reporting” vendors, e.g vendors who do not disclose vulnerabilities and are not compliant with the CRA and well known cybersecurity regulations and standards.
- DeviceTotal assists in identifying non-compliant vendors and managing the risks associated with their products, aligning with the broader goals of the CRA to ensure secure digital environments.

DeviceTotal's advanced ML-powered cybersecurity platform offers robust support for organizations working to comply with the EU Cyber Resilience Act. By providing continuous vulnerability tracking, comprehensive risk management, and streamlined compliance reporting, DeviceTotal enables organizations to enhance their security posture and meet regulatory requirements effectively. With DeviceTotal, organizations can proactively manage cybersecurity risks, maintain compliance with the CRA, and ensure the resilience of their digital products against evolving threats.