OWL Cyber Defense

Platform Security

The Problem

Effective computer, mobile, and information security is essential to running any successful operation. Breaches and compromise are daily occurrences. You can't afford to lose data, and you can't afford downtime. With mobile devices, your enterprise has extended beyond traditional boundaries. We can help you secure your systems, protecting your assets and enabling you to operate with confidence.

Many organizations must meet the security requirements of specific guidance documents. We can help you design, build, and implement a secure solution, ensuring the security architecture is appropriate for the intended use of the system and is enforced by the operating system. We can evaluate the solution and generate documentation that shows compliance with guidance, ensuring minimal hassle in getting the system approved to operate.

What We Do For You

We ensure your platform – server, desktop, laptop, phone, tablet – is secured appropriately, while allowing your system to function as designed. We can lock down a platform to meet the controls in any number of guidance documents, including relevant controls from NIST SP 800-53, applicable overlays, NERC CIP V5, and others. We can support your testing and certification requirements by helping you document how the system is locked down and ensure your system can be evaluated against an appropriate set of security controls; we can also perform the certification test and evaluation as an independent third party.

OUR EXPERIENCE

Owl has been working with Security Enhanced Linux (SELinux) since its release to the open source community in 2001. We pioneered its use in some of the most demanding security environments, and maintain the open source SELinux reference policy. With SELinux available on Android™ platforms, we have added Android security to our secure platform capabilities. We can help you achieve compliance with security guidance, such as the Risk Management Framework (RMF), ICD 503, NIST SP 800-53, and the appropriate DISA Security Technical Implementation Guides (STIGs).

We can help meet your security goals and obligations in many ways, including:

+ Evaluate security objectives and architecture (e.g., specific guidance or customer requirements)

+ Design an architecture to meet the security goals

+ Implement a secure configuration

+ Implement SELinux policy

+ Evaluate security configuration

+ Help understand the SCAP (Security Content Automation Protocol)

"If you can't trust the platform, you can't trust the data."

Why Owl?

Owl has its origin in building secure Linux platforms. We led the evolution of SELinux to become the Operating System (OS) of choice for Cross Domain Solutions (CDSs). We are upstream maintainers of SELinux and continue to design, develop and validate higher assurance systems. By building a secure Android operating system, MobileFortress™, we extended our platform security expertise to the world of mobile devices.

Here are some of the tools we have created and contributed to, supporting secure platform development:

- Certifiable Linux Integration Platform (CLIP) – an open source foundational system configuration and SELinux policy targeting US Government guidance, with accompanying base documentation of the lockdown

- SETools – the open source toolkit for writing and evaluating

- SELinux policy

- Common Intermediate Language (CIL) and SELinux Reference Policy – SELinux policy development standards

Want to learn more about our Platform Security capabilities and how it can help you?

Please contact the Owl team at info@owlcyberdefense.com

OWL Cyber Defense

Owl Cyber Defense Solutions, LLC leads the world in data diode and cross domain network cybersecurity. With a constant focus on customers in the military, government, critical infrastructure, and commercial communities, Owl develops market-first, one-way data transfer products to meet a variety of operational needs, from entry level to enterprise.

For more information on Owl, or to schedule a demo, visit www.owlcyberdefense.com

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