JOB SUMMARY

Senior SELinux Security Engineer

Department: Professional Services
Reports to: VP Professional Services

QUALIFICATIONS:

- Must be a U.S. Citizen
- BS degree in computer science, MS Preferred
- 6 years of experience in developing embedded software in Linux environment including writing Linux drivers
- Active DoD Secret Clearance is required due to Government contract requirements

JOB KNOWLEDGE, SKILLS, ABILITIES AND COMPETENCIES:

- SELinux Policy development experience (or a minimum of 3 to 5 years' experience in C, Java and Scripting languages like Python – we will provide the training in SELinux Policy)
- Complete understanding of TCP/IP stack
- Capability to use Wireshark and analyze PDU's
- Understanding of basic Linux OS security topics including: access control, least privilege, separation of duties, security goals, and defense in depth
- Excellent communication skills (written and verbal). Complex software development is a team exercise and we need people that can find the answers and then help others understand
- Knowledge of Linux administration, common services and command line usage is a plus

Job Summary

The Senior SELinux Security Engineer, reporting to the VP - Professional Services, will apply SELinux to a wide range of systems, from enterprise-level servers to embedded industrial control systems to mobile and wearable devices. Government and commercial organizations rely on Owl Cyber Defense expertise in the practical application of SELinux to help them get the most out of their implementation. Owl is looking for individuals interested in OS hardening techniques and developing security solutions using Linux and Android. We are seeking outstanding and highly motivated computer engineers and developers with varying years of experience. You will apply software analysis, design, and implementation skills to develop, configure, and analyze computer security related software and associated security policies using SELinux. The work will involve system architecture design, analysis, and testing.

We will provide:

- Interesting problems at the heart of operating system security
- An exciting, stable, small business work environment where creative thinking, expert software development skills, and teamwork are highly valued and rewarded
- The freedom and autonomy you need to tackle challenging technical problems
- Customers that need secure devices today to accomplish important work and missions

Essential Duties and Responsibilities:

- Use Creativity and a proven track record of finding and implementing solutions to real problems. You will be asked to make contributions to architecture, design, and implementation
- Identify security vulnerabilities in the system components or network devices and provide innovative solutions
- Secure Linux based servers
- Write SELinux policies
- Harden the operating system
- Troubleshooting Linux boot issues and provide fixes
- Identify relevant CVEs on Tresys products and customer systems and close them out
- Experience using collaborative software development tools and workflows, including version control. Git experience is a plus
- Write reports and documents for certifications
- Knowledge of Linux administration, common services and command line usage is a plus
- We prefer Linux Security Engineers with deep security knowledge

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