

## Cybersecurity Engineer (Linux)

<b>Location</b>	Beltsville, MD
<b>Security Clearance</b>	Secret Required to Start (TS Preferred)
<b>Years of experience</b>	6+ years in the field of systems engineering, software engineering, operating system programming, or information security
<b>Education</b>	Bachelor's degree in engineering, systems engineering, computer science, management information systems, or related field preferred.
<b>Certifications</b>	<p>Preferred but not absolutely required:</p> <ul style="list-style-type: none"> <li>• Linux+</li> <li>• LPIC 2</li> <li>• RHCSA</li> <li>• RHCE</li> <li>• Security+</li> </ul>
<b>Duties</b>	<p><b>Project Overview:</b></p> <p>Project supports the IT engineering team of a major federal customer providing security services including cyber incident response, threat analysis and security operations support.</p> <p><b>Job Description:</b></p> <p>The Linux Systems Engineer (Cybersecurity Engineer) will provide technical expertise working independently and/or with other engineers. The primary area of responsibility will be evaluating, integrating, and deploying new cybersecurity tools and capabilities.</p> <p>The Linux Systems Engineer will also provide Tier 3 technical support on current capabilities. The individual will evaluate new security technologies and make appropriate recommendations to ensure technical assessment capabilities remain current.</p> <p>This effort will require a skilled Linux Systems Engineer to enable standardized and consistent processes, user training, and implementation of innovative industry approaches and provide significant improvement to current capabilities.</p> <p><b>Daily Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• Integration and optimization of Linux Systems and Security Applications</li> <li>• Development of micro service applications (containers)</li> <li>• Configure and harden Linux hosts</li> <li>• Engineer and deploy cyber analytics software (e.g. Unix/Linux, Splunk, Snort, Bro, and Suricata).</li> <li>• Develop and deploy BRO scripts to support security analytics</li> <li>• Develop and deploy YARA and Snort signatures</li> <li>• Perform standard administration tasks (packaging, OS installs, patch management)</li> <li>• Integrate Linux systems and applications with central logging system for security analytics, auditing and event forwarding</li> </ul>

<b>Duties</b>	<ul style="list-style-type: none"><li>• Develop site configuration documentation (As Build documentation, diagrams, transition to operations guides, support documentation, playbooks, etc...)</li><li>• Transition integrated solutions to Operations for ongoing maintenance, monitoring, and support</li><li>• Work hours are 8:00am – 5:00pm, Days Mon. – Fri. in Beltsville, MD.</li></ul>
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<b>Qualifications</b>	<p>Required: Basic Requirements</p> <ul style="list-style-type: none"><li>• Applied systems engineering experience working with design principles and Linux server applications</li><li>• Installing, configuring, and maintaining Linux systems (RedHat Enterprise Linux versions 6/7)</li><li>• Experience with package and patch management via Satellite</li><li>• Familiarity with Puppet, Chef, Ansible</li><li>• Knowledge of STIG's and implementation Federal security baselines.</li><li>• Scripting skills in BASH, Python, PERL (sh, csh, ksh, tcsh) or other widely used language.</li><li>• Familiarity with Virtualization and Containers</li><li>• Understanding of Linux based authentication mechanisms</li><li>• Ability to document in depth information regarding system security baselines, configurations, deviations, and justifications for security recommendations.</li><li>• Experience in the development, implementation, and review of YARA &amp; Snort signatures is essential</li></ul> <p>Desired: Skills: Preferred but not required</p> <ul style="list-style-type: none"><li>• 5+ years working with Snort, Bro, and Security Onion</li><li>• Knowledge of big data environments preferred</li><li>• Deployment of Intrusion Detection Systems (IDS), Intrusion Prevention Systems (IPS)</li><li>• Deep Packet Capture &amp; Inspection deployment</li><li>• Solid understanding of network concepts (TCP/IP, Routing, Subnetting, Services)</li></ul>
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