ESD ID: ESD-16-1032
ESD Title: Systems Engineer Level 3
Experience: 12 years, 8 years w/BS, 6 years w/MS
Clearance: TS/SCI w/FSP
Position: Linux System Engineer
Responsible For:

- In this role, you will conduct hands-on technical architecting, building, and maintaining Linux-based systems regard to a uniquely high-visibility tool. This will include receiving and developing requirements, design, software integration and configuration, system automation and scripting, configuration management, system policy development, maintenance, and troubleshooting. There will be opportunities for performance tuning in virtualized environments and building/tuning high-performance hardware/software solutions.

Position Specific Requirements:

Experience with:

- Red Hat/CentOS installation, automation, and administration
- Network troubleshooting—ping, network configuration files & scripts, traceroute, Wireshark, tcpdump
- Scripting—Bash, Perl, or Ruby.
- Virtualization—KVM and VMware
- Experience with LVM
- YUM
- DNS configuration and troubleshooting
- Extensive documentation
- Use and integration of SystemD/CentOS7 and IPv6.
- Open source and commercial virtualization solutions.
- Open source IDS / network security monitoring applications.
- Familiarity with XML
- Great communication skills—customer, team, and sister organization

Minimum Requirements:

- 3+ years as a lead system engineering to include experience in leading, managing, and collaborating with a broad range of organizations and groups/teams needed to accomplish the system engineering tasks.

12+ years in one or more of the following:

- Systems Engineering of DoD command, control, communications and intelligence (C3I) systems
- Analyzing needs, deriving system-level requirements, and contributing to the design, development, implementation, and maintenance of computer networks and systems
- Microelectronics engineering, integrated circuit design and integrated circuit reverse engineering skills

Desired Requirements:

- Understanding of secure systems engineering development, including system security requirements analysis, system security requirements allocation, trade-off analysis, other systems security analyses, and secure system definition and specification development
- 4+ years experience with Field Programmable Gate Array (FPGA) design and engineering

- 3+ years experience with Security Content Automation Protocol (SCAP) and Trusted Network Connect (TNC)
- 4+ years experience with data modeling to include the development and implementation of a data modeling methodology.
- 3+ years experience with virtualization technology (e.g. VMware) implementation
- 4+ years experience in designing and developing user interface features, writing design documents, test plans and test results, and assessing architecture and current hardware limitations.
- 4+ years in defining and developing comprehensive Java 2EE solutions as part of a Service Oriented Architecture (SOA) using applicable DoDAF standards
- Demonstrated expertise in system engineering for VAO Data Integration Analysis and Reporting (IA&R) activities to include DoD and IC data standardization efforts as they relate to IA&R
- Ability to be able to look at potentially complex set of information requirements documented (often incompletely) in a variety of ways (e.g. physical data base schemata, data format specifications, system documentation etc.) and able to pull out the key generalizations/abstractions and organizing structures that form the basis of a good logical data model
- Experience with all of the following: visual modeling languages (e.g. Entity Relationship Diagrams (ERD), Unified Modeling Language (UML) and the tools that support them (e.g. Popkins System Architect, ERWin, Sybase Power Designer, Rational Rose, Visio, Oracle Designer); Physical schema languages (e.g. Structured Query Language (SWL) Data Definition Language (DDL), W3C XML schema (XSD)