

**Employee & Job Description - Cyber Security Alignment Self-Assessment - Systems Administrator**

KSAT ID	Description	KSAT	Does The Employee Have this capability?	Role Require this?	If capabilities not held or performed by this role, does someone else meet this?	If Employee does not meet but it is required in job role, how can someone skill up?	Documentation of how the employee either meets or does not meet and next steps to meet role requirements
<a href="#">6918</a>	Ability to apply cybersecurity strategy to cloud computing service and deployment models, identifying proper architecture for different operating environments.	Ability					
<a href="#">6919</a>	Ability to determine the best cloud deployment model for the appropriate operating environment.	Ability					
<a href="#">112A</a>	Knowledge of systems engineering theories, concepts, and methods.	Knowledge					
<a href="#">113</a>	Knowledge of server and client operating systems.	Knowledge					
<a href="#">114A</a>	Knowledge of system/server diagnostic tools and fault identification techniques.	Knowledge					
<a href="#">145</a>	Knowledge of the type and frequency of routine maintenance needed to keep equipment functioning properly.	Knowledge					
<a href="#">1034C</a>	Knowledge of Personal Health Information (PHI) data security standards.	Knowledge					
<a href="#">1034B</a>	Knowledge of Payment Card Industry (PCI) data security standards.	Knowledge					
<a href="#">1034A</a>	Knowledge of Personally Identifiable Information (PII) data security standards.	Knowledge					
<a href="#">167A</a>	Skill in conducting system/server planning, management, and maintenance.	Skill					
<a href="#">170</a>	Skill in configuring and optimizing software.	Skill					
<a href="#">194</a>	Skill in diagnosing connectivity problems.	Skill					
<a href="#">195A</a>	Skill in troubleshooting failed system components (i.e., servers)	Skill					
<a href="#">202A</a>	Skill in identifying and anticipating system/server performance, availability, capacity, or configuration problems.	Skill					
<a href="#">206A</a>	Skill in installing system and component upgrades.	Skill					
<a href="#">209</a>	Skill in maintaining directory services.	Skill					
<a href="#">386</a>	Skill in using virtual machines.	Skill					
<a href="#">6590</a>	Skill in interfacing with customers.	Skill					
<a href="#">6945</a>	Skill in migrating workloads to, from, and among the different cloud computing service models.	Skill					
<a href="#">434A</a>	Check system hardware availability, functionality, integrity, and efficiency.	Task					
<a href="#">499</a>	Design group policies and access control lists to ensure compatibility with organizational standards, business rules, and needs.	Task					
<a href="#">728A</a>	Oversee installation, implementation, configuration, and support of system components.	Task					
<a href="#">763A</a>	Diagnose faulty system/server hardware.	Task					
<a href="#">811</a>	Provide ongoing optimization and problem solving support.	Task					