

**CoLAB TalentReady IT Pathways
Networking KSAs for Curriculum Alignment**

5. Operating System

	KSA Description	Knowledge, Skill, or Ability?	Bloom's Taxonomy Level?	Cross-cutting KSAs	Notes
a	Ability to install and configure software.	Ability	3	Cyber Security Specialist 1c, Cyber Security Technologist 1e, Data Management 1s, Software Development 1h	
b	Explain the boot process (Boot loader, Kernel).	Knowledge	2		
c	Perform software patching (update drivers, security, software).	Skill	1		
d	Understand difference between a server vs. client machine.	Knowledge	2		
e	Compare operating system characteristics (Windows and Linux).	Knowledge	3		
f	Identify and describe basic file types and demonstrate fundamental file management.	Skill	2	Cyber Security Specialist 1e, Cyber Security Technologist 1g, Data Management 1r, Software Development 1k	
g	Apply file management skills in Linux and Microsoft environments (CLI and GUI). (create files, delete files, make directories, remove directories, search text)	Ability	3		
h	Explain and compare an absolute path with a relative path (file hierarchy).	Knowledge	3		
i	Navigate a directory structure.	Ability	3		
j	Create, modify, organize files in CLI.	Skill	3		
k	Utilize system monitoring tools (e.g. task manager, top command).	Skill	2		
l	System Administration (Microsoft and Linux). (add users, add groups, configure password policies, modify user environments)	Ability	3		
m	Compare authorization vs authentication.	Knowledge	3		
n	Explain and compare Cloud Services (IaaS, SaaS, PaaS, XaaS).	Knowledge	2		