

**CoLAB TalentReady IT Pathways
Cyber Technologist KSAs for Curriculum Alignment**

8. Cloud Security

	KSA Description	Knowledge, Skill, or Ability?	Bloom's Taxonomy Level?	Cross-cutting KSAs	Notes
a	Describe the fundamental cloud components (e.g., shared or dedicated processing, storage, memory, networking, hypervisor).	Knowledge	2	Cyber Security Specialist 3a	
b	Differentiate between public, private, and hybrid clouds.	Knowledge	2	Cyber Security Speciblist 3b	
c	Provision cloud services (e.g., Software as a Service [SaaS], Platform as a Service [PaaS], Infrastructure as a Service [IaaS], Security as a Service).	Ability	3	Cyber Security Speciclist 3c	
d	Instantiate a small computing environment in a cloud service.	Ability	3	Cyber Security Specidlist 3d	
e	Identify common breaches and threats in the cloud environment.	Knowledge	1	Cyber Security Specielist 3e	
f	Understand how to set security configurations in a cloud environment.	Knowledge	2	Cyber Security Speciflist 3f	
g	Demonstrate an understanding of cloud architecture and the capabilities of services such as AWS, Azure, IBM, Oracle and Google.	Knowledge	2	Cyber Security Specialist 3c, Data Management 1p, Networking 4d, Software Development 1g	
h	Understand the concept of opening/extending the network perimeter and the role of cloud access security (CAS).	Knowledge	2	Cyber Security Specihlist 3h	