

# Why use AWS Academy

- Provides a free, ready-to-use cloud computing curriculum for educational institutions. This can be a significant advantage if you want your students to gain cloud expertise.
- AWS centric but cloud networking skills are transferable
- The curriculum is designed to equip students with the technical skills that are highly sought-after by employers in the field of cloud computing. Learning these skills can make you a more competitive candidate in the job market.



### Why use AWS Academy

- Provides resources and training for educators to stay updated on the latest advancements in cloud technologies. This ensures that the curriculum students receive is relevant and up-to-date.
- The program incorporates hands-on labs, allowing students to gain practical experience with AWS services and tools. This practical experience can be invaluable when applying for cloud-related jobs.

### Purpose of a Learner Lab

- What is Learner Lab?
- Purpose of Learner Lab
- Constraints with Learner Lab
- Resources for Designing Activities in Learner Lab My Symposiu
- Best Practices with Learner Lab



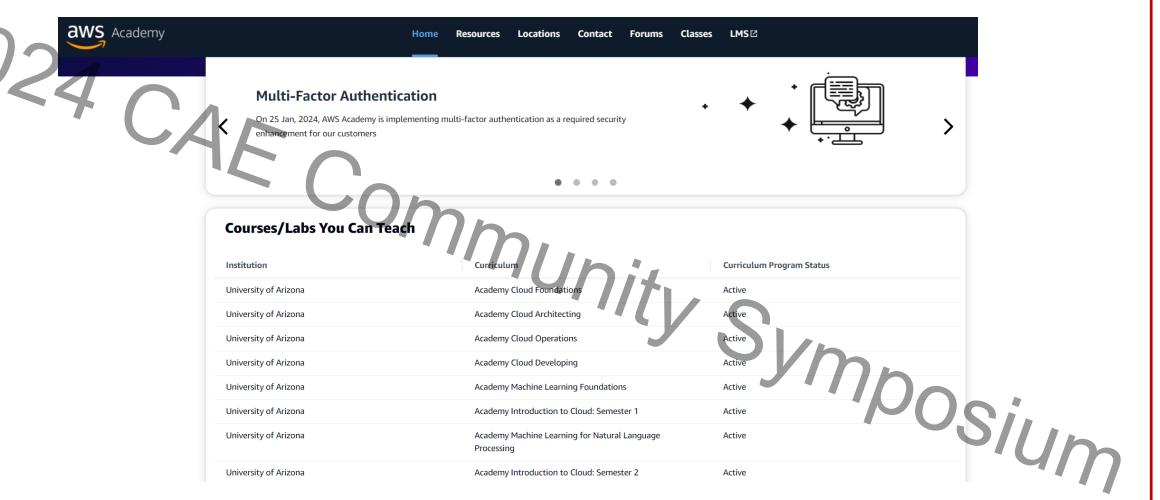
#### Lab Environments

		In-Module Labs	Learner Labs
	Purpose	Temporary 'One-shot' labs; instructions guide students through <i>topic-specific</i> AWS services	Independent, long-running, general- purpose labs
	Available Services	Services required for the lab's prescribed scenario	Constrained access to over 100 AWS Services
	Limitations	Resources wiped after lab ends;	Resources will be preserved until allocated credits ( <b>USD 100</b> ) run out or course ends
	Use Cases	Hands-on reinforcement of concepts introduced in the course	Mid- to Long-term projects/sandbox WITH CONSTRAINTS
	How to Access	Embedded within the course	Created as a separate course

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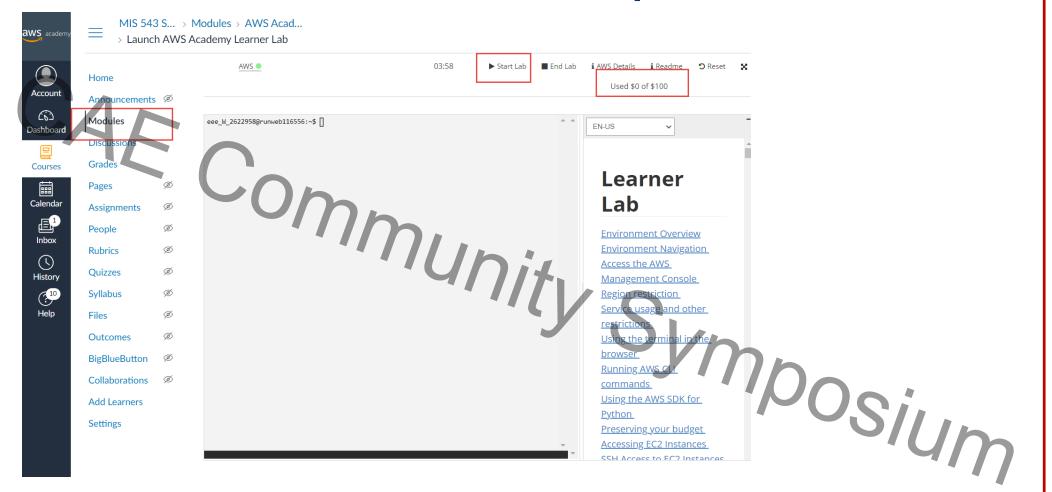
#### Lab Modules





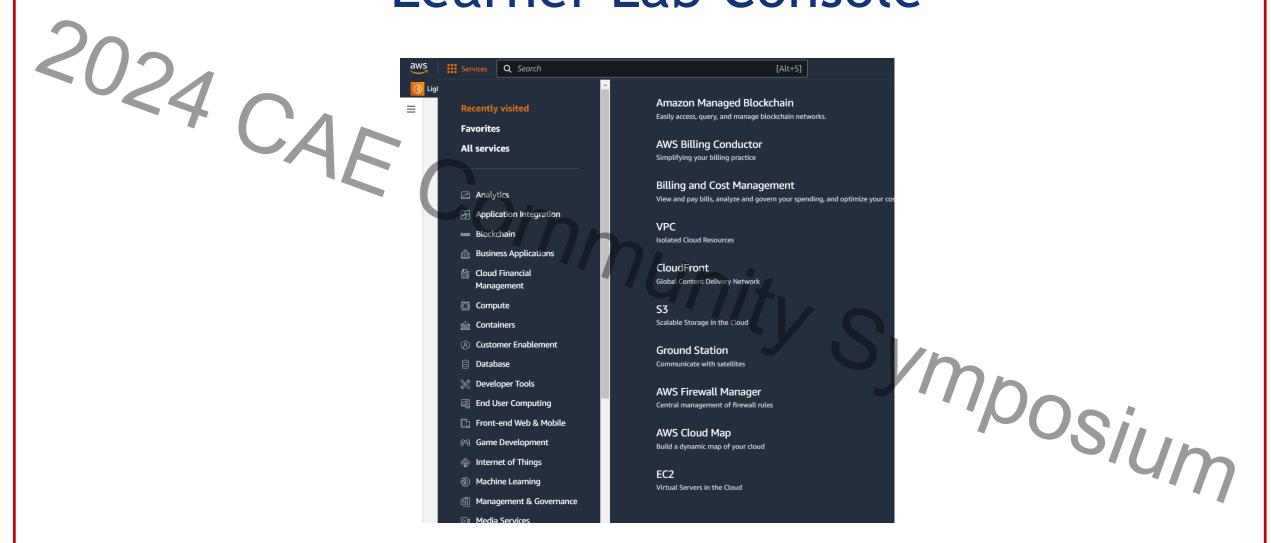
### Learner Lab Example

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#### Learner Lab Console





### Purpose of Learner Lab

- Provides access to a <u>select</u> number of AWS services
- Create-your-own tasks, activities, projects
- Cannot to be used as hosting platform for other vendor products
- Not suitable for intensive, long-term research projects



## **Getting Started**

- Educator Getting Started with AWS Academy
- Learner Lab README file
- Learner Lab Educator Guide
- Complete Learner Lab compliance and security module



#### Limitations

- Restricted access to AWS services; not all features/functions available in the services
- IAM service extremely constrained; use 'LabRole'
- Not all services will work together; security constraints
- Limits on number/frequency of resources that can be used
- If certain constraints are breached, students can be ejected from the
- Learner Lab and/or activities and resources wiped from the environment



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