aws educate

AWS Services Supported with AWS Educate Starter Account

Updated October 2020

Below is a list of all the services that are supported as part of AWS Educate Starter Account. AWS services that are not listed in the table below are not supported as part of Starter Accounts. Some services may have additional restrictions as described in the table below.

All services are only supported in **US East (N. Virginia) [us-east-1] region**. IAM restrictions apply on all services. All services may have additional restrictions not listed below.

Note about Cloud9:
When you launch Cloud9 Desktop for the first time, you may see a warning message like below-
"The environment cannot be created AWS is currently verifying your account. Until this verification is complete, you cannot create environments. This verification could take up to 2 hours or longer. Try creating the environment again later. If you are still receiving this message more than 2 hours, email aws-verification@amazon.com"

If the error does not go away after 24 hours, please delete the environment you were trying to launch and try again. Note – This applies *only* to new environment you are trying to launch. If you already have an existing environment running, then you should not be seeing the error message above.

Service	Notes
Amplify	
API Gateway	
Athena	
AutoScaling	**Limited to only 3 instances per launch configuration**
Batch	
Cloud9	
CloudFormation	
CloudTrail	
CloudWatch	
Code Commit	
Code Pipeline	
Code Deploy	
Code Star	
Code Build	
Cognito-identity	
Cognito-idp	
Cognito-sync	
Comprehend	

Comprehend Medical	
Config	
Data Pipeline	
Deep Lens	
Deep Racer	
Deep Comoser	
DynamoDB	
EC2	Starter Accounts support only following instance types: t2.small, t2.micro, t2.nanao, m4.large, c4.large, c5.large, m5.large, t2.medium, m4.xlarge, c4.xlarge, c5.xlarge, t2.2xlarge, m5.2xlarge, t2.large, t2.xlarge, m5.xlarge. The following are NOT supported in EC2/VPC: • Spot Instances • Reserved Instances purchases • VPN Gateways, VPN Connections or Customer Gateways • Marketplace EC2 purchases or software, including free Marketplace AMIs • Scheduled EC2 instances supported • Spot Fleet supported *Additional restrictions may apply
ECS	
ECR	
EKS	
Elasticache	No reserved instance purchase supported
Elasticfilesystem	
Elasticloadbalancing	
Elastic Inference	
ElasticMapReduce	
Events	
Execute-api	
Elasticbeanstalk	
Firehose	
Forecast	
GameLift	
Ground Truth Labeling	
Glue	
Guard Duty	
GreenGrass	
Health	
IAM	You can create users, but cannot associate login profile or access keys for them. * Additional restrictions may apply
Inspector	

IOT	
IOTAnalytics	
IOT1Click	
Kinesis	Shards limited to 2
Kinesis Analytics	
Kinesis Video	
KMS	
Lambda	
Lex	
Logs	
Machine Learning	
Mobile Hub	
NAT Gateway *NEW	
RDS (Relational Database Service)	Database instances not supported: Any db.1x1 instance, db.x1e, db.r3.8xlarge, db.r3.4xlarge, db.r4.16xlarge, db.r4.8xlarge, db.r4.4xlarge, db.m4.10xlarge, db.m4.4xlarge, db.m4.8xlarge, db.m4.4xlarge, db.m4.2xlarge No reserved instances purchase supported
Route 53	No Domain Name Purchases Allowed. *Additional restrictions may apply.
Rekognition	
RoboMaker	
Secrets Manager	
S3	
SNS	
SQS	
SWF	
Sumerian	
Sagemaker	In Starter Accounts only following notebook instance types are allowed: ml.t2.medium ml.t2.large ml.t3.medium ml.t3.large In Classroom Accounts, following training jobs instances are allowed: ml.c5.xlarge ml.m5.xlarge ml.c4.xlarge ml.m4.xlarge ml.g4dn.xlarge

	In Classroom Accounts, following notebook instances are allowed: ml.t2.medium ml.t2.large ml.t3.medium ml.t3.large ml.c5.large ml.m5.large *Note: Your Classroom AWS account may not have access to all instances listed above and may require your educator to put in an additional request.
Security Hub	
Serverless Repo	
Polly	
Translate	
Transcribe	
Opworks	
Personalize	

AWS Educate Classrooms

The following are services are enabled when you select a template. Each AWS Educate Classroom template provides access to a specific set of services in the virtual environment. When you create a classroom with multiple templates, a combination of services are enabled in classroom. Please note that only those services mentioned in the classroom template description are enabled.

All of the above restrictions on IAM, EC2 and other services are still applicable in classroom.

Classroom	AWS Cloud Basics
Services Supported	EC2, S3, RDS, Cloud9, CloudFormation, Tag
Description	Use the AWS Cloud Basics to introduce students to fundamentals of AWS and to cloud computing concepts. Student can get their first Linux instance up in the cloud with EC2, store and access file to create a static web site using S3, create and operate their first database using RDS, and learn about security and access control with IAM.

Classroom	Starter Account Template
Services Supported	All Starter Account Services
Description	All services available within the Starter Account Template, including all common services below

Classroom	Building Scalable Websites
Services Supported	EC2, S3, RDS, ELB, Cloud9, CloudFormation, Tag
Description	Introduce students to building and hosting scalable, elastic websites on AWS. Use EC2 for compute, S3 to store site content, and ELB to dynamically scale based on demand.

In addition, when you select *any* template, a set of common services are applied to a classroom as below:

Common Template	Applied to All Classrooms (Retired August 15)
Services	Cloudtrail, Cloudwatch, Events, Execute-API, IAM, Logs, KMS, Cloud9, CloudFormation, Tag
Restrictions	All restrictions that apply to Starter Accounts also apply to Classrooms

Retired Templates

Below templates were retired August 15. Classrooms approved before this date will continue to function normally. After August 15, 2020, Educators can only choose between the three templates above.

Classroom	Big Data (Retired August 15)
Services Supported	EC2, Athena, DynamoDB, EMR, Glue, RDS, S3, Cloud9, CloudFormation, Tag
Description	Teach big data applications such as clickstream analytics, fraud detection, recommendation engines, event-driven ETL, and internet-of-things processing with the Big Data template. Easily provision EMR clusters for Hadoop, Spark, and other big data learning. Learn SQL vs NOSQL using RDS and DynamoDB.

Classroom	Machine Learning and AI (Retired August 15)
Services Supported	Machine Learning, Rekognition, Lex, Polly, Comprehend, Translate, Transcribe, SageMaker, Deeplens, Personalize, Forecast, Robomaker, Cloud9, CloudFormation, Tag
Description	Build a chatbot, access voice services with Lex and Polly, use image Rekognition, or use sophisticated machine leaning models tools like MXNet and Tensor flow to create general predictions with the Machine Learning template. Use Deeplens camera with Deeplens service, or try out new AI services such as Forecast, Personalize and Robomaker.

Classroom	Serverless Computing (Retired August 15)
Services Supported	Lambda, API Gateway, S3, DynamoDB, Cloud9, CloudFormation, Tag
Description	Get students started with serverless computing using lambda on AWS for web applications, backends, and data processing apps. Serverless applications don't require students to provision, scale, and manage any servers and can be built for nearly any type of application or backend service. Everything required to run and scale an application is managed by AWS.

Classroom	RoboMaker (Retired August 15)
Services Supported	RoboMaker, Lambda, API Gateway, Kinesis Analytics, Kinesis, EC2, S3, Lex, Polly, DynamoDB, Cloud9, Cloudformation, Tag, Machine Learning, Rekognition, Lex, Polly, Comprehend, Translate, Transcribe, SageMaker, Deeplens, Personalize, Forecast
Description	Learn the fundamentals of robotics development using AWS RoboMaker, then deploy capabilities to your own robots. RoboMaker extends ROS with connectivity to cloud services, provides a cloud based development environment