

AWS Services Supported with AWS Educate Starter Account

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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-1 region. Note that even if a service says “all features supported”, IAM restrictions apply on all services.

Service	Description
API Gateway	All features supported
Cloud9	All features supported
Cloudformation	<ul style="list-style-type: none">Cloudformation scripts that create a IAM policy or a role will fail. Scripts that reuse an existing role are not impacted.
Cloudfront	All features supported
Cloudtrail	All features supported
Cloudwatch	All features supported
Codecommit	All features supported
Codepipeline	All features supported
Codedeploy	All features supported
Cognito-identity	All features supported
Cognito-idp	All features supported
Cognito-sync	All features supported
DynamoDB	All features supported
Deeplens	All features supported
EC2	<ul style="list-style-type: none">Supported Instance Types: t2.small, t2.micro, t2.nano, 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.xlargeNo Spot Instances supportedNo Reserved Instances purchases supportedNo NAT Gateway, VPN Gateways, VPN Connections or Customer Gateways supportedNo Marketplace EC2 supportedNo Scheduled EC2 instances supportedNo Spot Fleet supported
ECS	All features supported
Elastichache	<ul style="list-style-type: none">No reserved instance purchase supported
Elasticfilesystem	All features supported
Elasticloadbalancing	All features supported
Events	All features supported
Execute-api	All features supported
Elasticbeanstalk	All features supported
Gamelift	All features supported
IAM	<ul style="list-style-type: none">No ability to create policies

	<ul style="list-style-type: none"> • No ability to create users and groups • No ability to create inline policies
Inspector	All features supported
IOT	All features supported
IOTAnalytics	All features supported
IOT1Click	All features supported
Kinesis	<ul style="list-style-type: none"> • Shards limited to 2
Kinesisanalytics	All features supported
Firehose	All features supported
KMS	All features supported
Lambda	All features supported
Lex	All features supported
Logs	All features supported
Machinelearning	All features supported
Mobilehub	All features supported
RDS (Relational Database Service)	<ul style="list-style-type: none"> • 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 purchases supported
Route 53	<ul style="list-style-type: none"> • No domain name registration support • Any features dependent on domain names
S3	All features supported
SNS	All features supported
SQS	All features supported
SWF	All features supported
Sumerian	All features supported
Sagemaker	<ul style="list-style-type: none"> • Instance Types not supported: No Accelerated computing instances supported. No ml.m4.2xlarge, ml.m4.4xlarge, ml.m4.10xlarge, ml.m4.16xlarge
Support	All features supported
Polly	All features supported
Translate	All features supported
Comprehend	All features supported
Rekognition	All features supported
Transcribe	All features supported
Athena	All features supported
Glue	All features supported
Opworks	All features supported
Personalize	All features supported
Forecast	All features supported
Deepracer	All features supported
Robomaker	All features supported
CodeBuild	All features supported

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 etc are still applicable in classroom. Cloud9, CloudFormation and Tag are available in all classrooms irrespective of which template you choose.

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	Big Data
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	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.

Classroom function]	Cloud9 – RETIRED [Existing Cloud9 Classrooms will continue to function]
Services Supported	Cloud9, S3
Description	Use AWS Cloud9, an Integrated Development Environment (IDE) for writing, running, and debugging code from your web browser. Cloud9 comes prepackaged with essential tools for many popular programming languages (Javascript, Python, PHP, etc.) so you don't have to tinker with installing various compilers and toolchains. You can also use Cloud9 for working with serverless applications, switch between local and remote testing or debugging, and try out pair programming features.

Classroom	Machine Learning and AI
Services Supported	Machine Learning, Rekognition, Lex, Polly, Comprehend, Translate, Transcribe, SageMaker, Deeplens, Cloud9, CloudFormation, Tag
Description	Build a chatbot, access voice services with Lex and Polly, use image Rekognition, or use sophisticated machine learning 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
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
Services Supported	RoboMaker, Lambda, API Gateway, Kinesis Analytics, Kinesis, EC2, S3, Lex, Polly, DynamoDB, Cloud9, Cloudformation, Tag
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, a robotics simulation service, and a robotics fleet management.

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
Services	Cloudtrail, Cloudwatch, Events, Execute-API, IAM, Logs, KMS, Tag, CloudFormation, Cloud9
Restrictions	Restrictions that apply to Starter Accounts also apply here. <ul style="list-style-type: none"> - No IAM support to create policies or users and groups. - No Cloudformation support - No ability to buy reserved instances, spot for EC2, Elasticsearch, RDS or other services. - Instance size / families restricted as mentioned above in Starter Account restrictions.