

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. 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
API Gateway	
Cloud9	
Cloudformation	
Cloudfront	
Cloudtrail	
Cloudwatch	
Codecommit	
Codepipeline	
Codedeploy	
Cognito-identity	
Cognito-idp	
Cognito-sync	
DynamoDB	
Deeplens	

EC2	<p>Starter Accounts support only following instance types: "t2.small","t2.micro","t2.nano","m4.large","c4.large","c5.large", "m5.large","t2.medium","m4.xlarge","t2.nano","c4.xlarge","c5.xlarge", "t2.2xlarge","m5.2xlarge","t2.large","t2.xlarge","m5.xlarge", "a1.medium","a1.large","a1.xlarge"</p> <p>No Spot Instances supported No Reserved Instances purchases supported No NAT Gateway, VPN Gateways, VPN Connections or Customer Gateways supported No Marketplace EC2 supported No Scheduled EC2 instances supported No Spot Fleet supported *Additional restrictions may apply</p>
ECS	
Elasticaache	No reserved instance purchase supported
Elasticfilesystem	
Elasticloadbalancing	
Events	
Execute-api	
Elasticbeanstalk	
Greengrass	
Gamelift	
IAM	<p>You can create users, but cannot associate login profile or access keys for them. * Additional restrictions may apply</p>

Inspector	
IOT	
IOTAnalytics	
IOT1Click	
Kinesis	Shards limited to 2
Kinesisanalytics	
Firehose	
KMS	
Lambda	
Lex	
Logs	
Machinelearning	
Mobilehub	
RDS (Relational Database Service)	<p>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</p> <p>No reserved instances purchase supported</p>
Route 53	
S3	
SNS	
SQS	
SWF	
Sumerian	
Sagemaker	<p>In Starter Accounts only following instance types are allowed:</p> <p>ml.t2.medium ml.t2.large ml.t3.medium ml.t3.large</p>
Polly	
Translate	
Comprehend	
Rekognition	
Transcribe	
Athena	
Glue	
Opworks	
Personalize	
Forecast	
Deepracer	
Robomaker	

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	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	Cloud9 – RETIRED [Cloud9 is now part of all templates]
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, Personalize, Forecast, Robomaker, 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, Cloud9, CloudFormation, Tag
Restrictions	- All restrictions that apply to Starter Accounts also apply to Classrooms