



An update on Amazon EKS

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We see our customers as invited guests to a party, and we are the hosts.

It's our job every day to make every important aspect of the customer experience a little bit better.

Customers adopting Kubernetes on AWS



EKS is used in every industry, around the world



Finance



Transportation



Retail



Communications



Social Media



Business Apps



Gaming



Healthcare

2020 so far

Security & Reliability

- 99.95% Service Level Agreement
- Cluster creation limit raised to 100 per region
- CIS Benchmark for EKS
- Best practices guide for security
- Service linked roles
- KMS Secrets Encryption

Nodes

- Inferentia Inf1
- Graviton
- Bare Metal G4dn
- Outposts, Wavelengths GA support

Tooling

- CDK for Kubernetes (CDK8s)
- Service Quotas Integration
- App Mesh GA

Storage & Networking

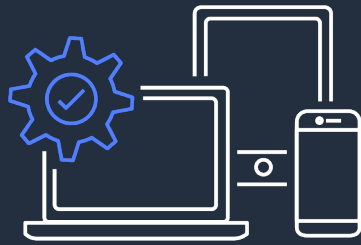
- Beta CSI Driver for FSx for Lustre
- GA CSI Driver for EFS
- VPC CNI plugin v1.6
- Fully private cluster networking with Managed Node Groups

Regions & Versions

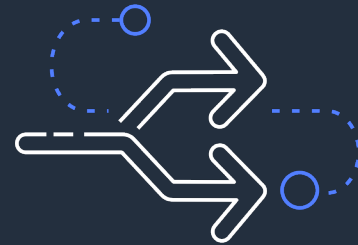
- GovCloud US (East), GovCloud Us (West), Ningxia, Beijing, Cape Town, Milan regions
- Fargate region expansion to Frankfurt, Oregon, Singapore, Sydney, Cape Town and Milan
- Support for Kubernetes versions 1.15, 1.16, 1.17

50% price cut

EKS tenets



**Production
Workloads**



**Native and
upstream**



**Seamless
integrations**



OSS Contribution



All the building blocks for Kubernetes **in one place**

Building blocks of the future



Latest software



Speed and Scale



Simplicity



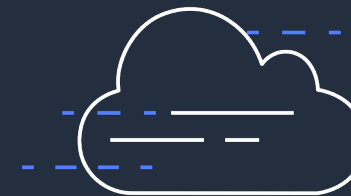
Empowering Teams



Compute



Networking



Cloud Integration

The latest software



4 versions at a time

100 days from upstream

AWS Validated Images & Charts

More speed and scale



Vertical Control Plane Scaling

CNI Prefix Delegation

Faster cluster starts

XXL Clusters

Simpler workflows



EKS Add Ons

External Access Control

Tag Propagation

Integrated GitOps

Immutable cluster tooling

Empower Development Teams

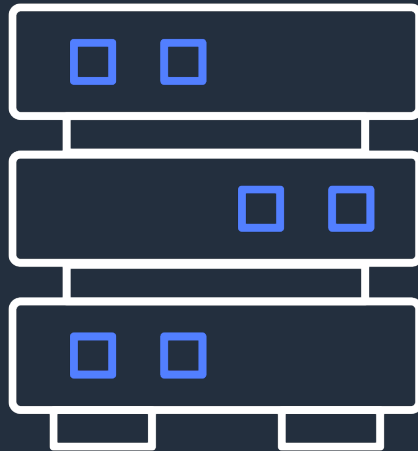


CDK for Kubernetes – cdk8s

Kubernetes Management Console

AWS Kubernetes training

The right compute in the right place



Fargate

Instances

ARM

Inferentia

Hybrid

Outposts

Local Zones

Wavelengths

Regions

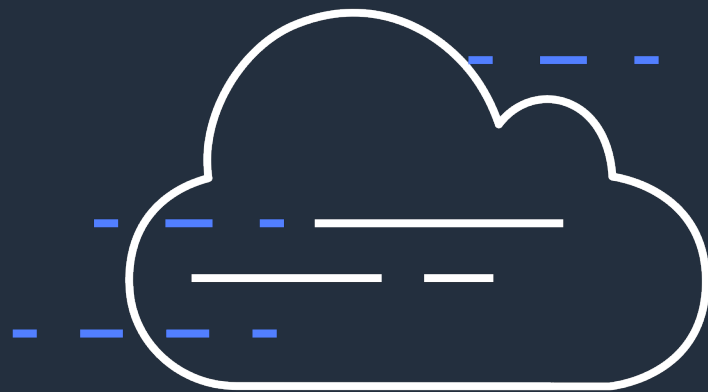
Powerful networking



AWS App Mesh

IPv6

A united cloud



CSI Drivers

S3

AWS Secrets Manager

OIDC

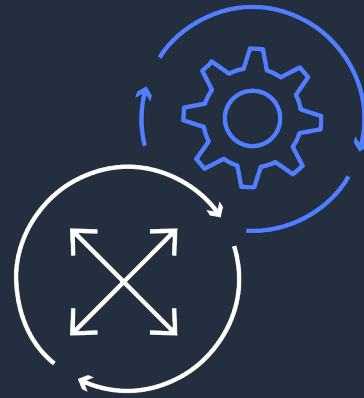
AWS Controllers for Kubernetes

AWS Controllers for Kubernetes (ACK)



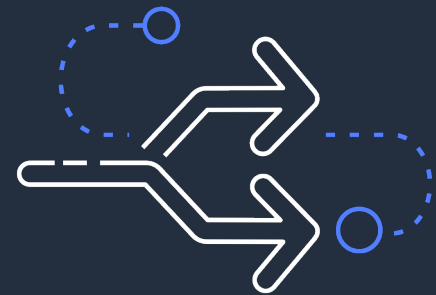
Harness AWS

Create and use AWS resources directly within your cluster. Improve reliability and uptime at any scale.



Cloud Native Control

Kubernetes custom resources and controllers enable you to define the AWS resources your applications need directly within the cluster.



Always up to date

ACK generates automatically using the AWS SDKs, this ensures controllers are up-to-date with the latest features and functionality.

The background of the image is a dark, deep blue space filled with numerous thin, bright lines of light. These lines radiate outwards from a central point, creating a starburst or 'light tunnel' effect. The colors of the light rays include shades of teal, green, yellow, and orange, giving it a cosmic or high-tech feel.

ACK now in developer preview!

[github.com/ aws/aws-controllers-k8s](https://github.com/aws/aws-controllers-k8s)

You come first.

EKS roadmap



- Stay up to date with what we're working on
- Give us feedback and propose ideas
- Get notified when new features ship
- Try out developer previews

<https://github.com/aws/containers-roadmap>



Thank you!

