Week 4 - Amazon EKS Anywhere

For more information about Amazon EKS Anywhere, see Overview of EKS Anywhere.For more information about feature support, see Compare EKS Anywhere and Amazon EKS.

Amazon ECS Anywhere

For more information about Amazon ECS Anywhere, see Amazon ECS Anywhere.

Amazon CloudWatch Container Insights

You can use CloudWatch Container Insights to collect, aggregate, and summarize metrics and logs from your containerized applications and microservices. You must enable Container Insights in your AWS account before you can use it. After it's enabled, all clusters created from that point on will send metrics to Container Insights.

CloudWatch does not automatically create all possible metrics from the log data, which is designed to help you manage your Container Insights costs. However, you can view additional metrics and additional levels of granularity by using CloudWatch Logs Insights to analyze the raw performance-log events.

For more information about Amazon CloudWatch Container Insights, see Using Container Insights.

Amazon Managed Service for Prometheus

For more information about Amazon Managed Service for Prometheus, see Amazon Managed Service for Prometheus.

Amazon Managed Grafana

For more information about Amazon Managed Grafana, see Amazon Managed Grafana.

AWS Lambda container images

You can supply code to AWS Lambda by using a container image. The container image needs to implement the Runtime API. AWS maintains base container images for popular languages. For more information, see the Base Images for Lambda.

You can test your container images locally by including the AWS Lambda Runtime Interface Emulator. The AWS supplied base images include the Runtime Interface Emulator.

For more information, see Container image support for Lambda on the AWS Blog.

AWS App Mesh

AWS App Mesh creates a service mesh for your applications to add features for monitoring, routing, discovery, and deployment. The service mesh is implemented by using Envoy Proxies that are deployed as a sidecar with your Amazon Elastic Container Service (Amazon ECS) tasks, and your Amazon Elastic Kubernetes (Amazon EKS) pods. The App Mesh control plane deploys configuration to the proxies to route traffic in your service mesh.

For more information about AWS App Mesh, see the Deep Dive on AWS App Mesh.