AWS re:Invent

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GPS303

Amazon EKS deep dive for AWS Partners

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Before we begin

- This workshop requires a laptop and an internet connection
- We will provide you with a team hash that will provide access to a pre-provisioned AWS account for you to use for the workshop
- The account for the workshop will last for 24 hours; feel free to try additional modules outside of the session
- The workshop is open source and available after the session for you to try in your own account

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Helping customers evolve their implementations

We will focus on the following areas for todays workshop

- Service mesh
- Observability
- GitOps and continuous deployments

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Getting started

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Getting started

Visit the following URL

https://www.eksworkshop.com/020_prerequisites/aws_event/

Log in to the AWS Workshop Portal using the provided team hash

Complete the “Start the workshop . . .” section to provision your Amazon EKS cluster and configure the AWS Cloud9 environment

If you didn't get a team hash, raise your hand and let us know

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Service meshes

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Service mesh using AWS App Mesh

www.eksworkshop.com/advanced/330_servicemesh_using_appmesh/

Covers the following use cases

- Service mesh
- Canary deployments
- Observability

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GitOps

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Continuous deployment with ArgoCD

https://www.eksworkshop.com/intermediate/290_argocd/

Topics covered in this section

- GitOps
- Continuous deployments

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GitOps with Weave Flux

https://www.eksworkshop.com/intermediate/260_weave_flux/

Topics covered in this section

- GitOps style deployments
- Weave Flux
- AWS CodePipeline

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Observability



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Monitoring using Pixie

https://www.eksworkshop.com/intermediate/241_pixie/

Topics covered in this section

- Monitoring
- Tracing
- Debugging/troubleshooting

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What next?

The workshop account will be active for 24 hours; try additional sections of the EKS Workshop that may be of interest to you

Bookmark www.eksworkshop.com and continue to try additional modules in your own account

Consider how to leverage your learnings from today to continue to grow and evolve your company's EKS/Kubernetes-based offerings

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Thank you!

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