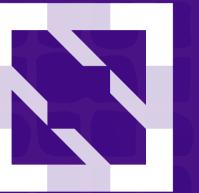




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Modern Canary Deployment with AWS App Mesh, AWS Step Function and Amazon EKS

Pahud Hsieh(谢洪恩)
Specialist SA, Serverless
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Why Canary Deployment in Kubernetes

1. Secure and incremental traffic shifting
2. To validate a new feature with a small fraction of existing workload
3. To ramp up and prewarm a new cold environment
4. In case of severe error, have the ability to rollback immediately with minimal impact



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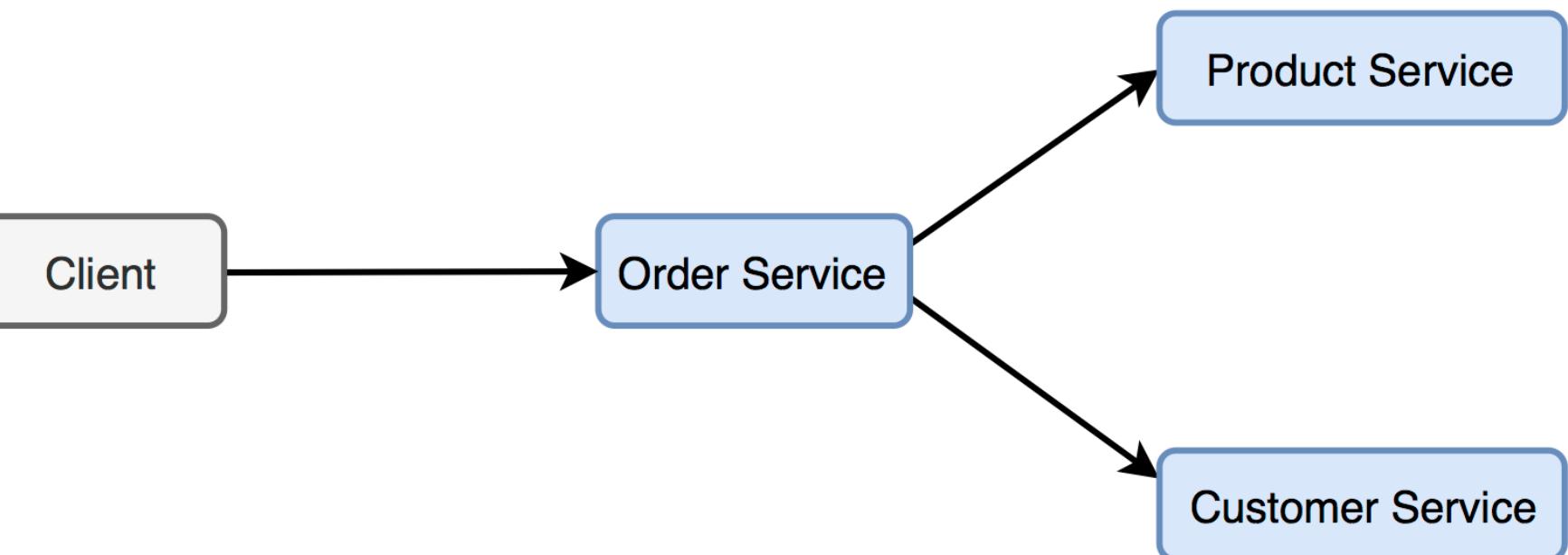
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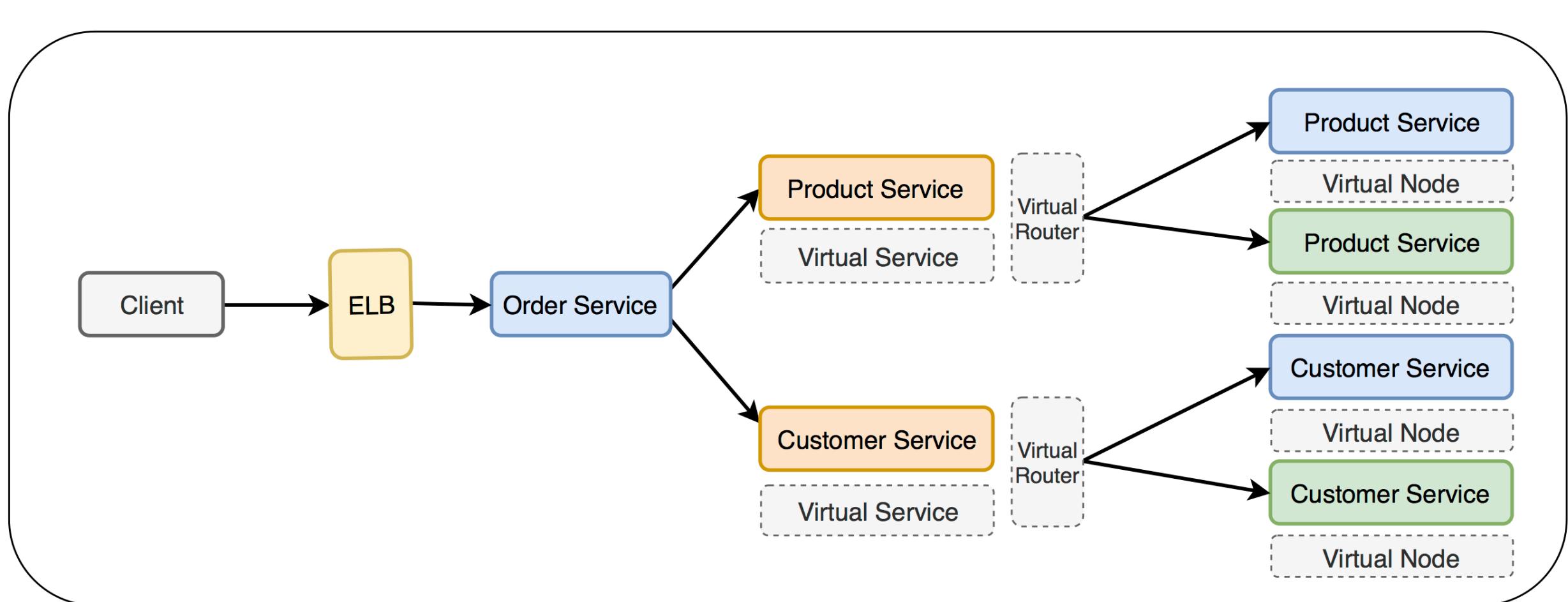
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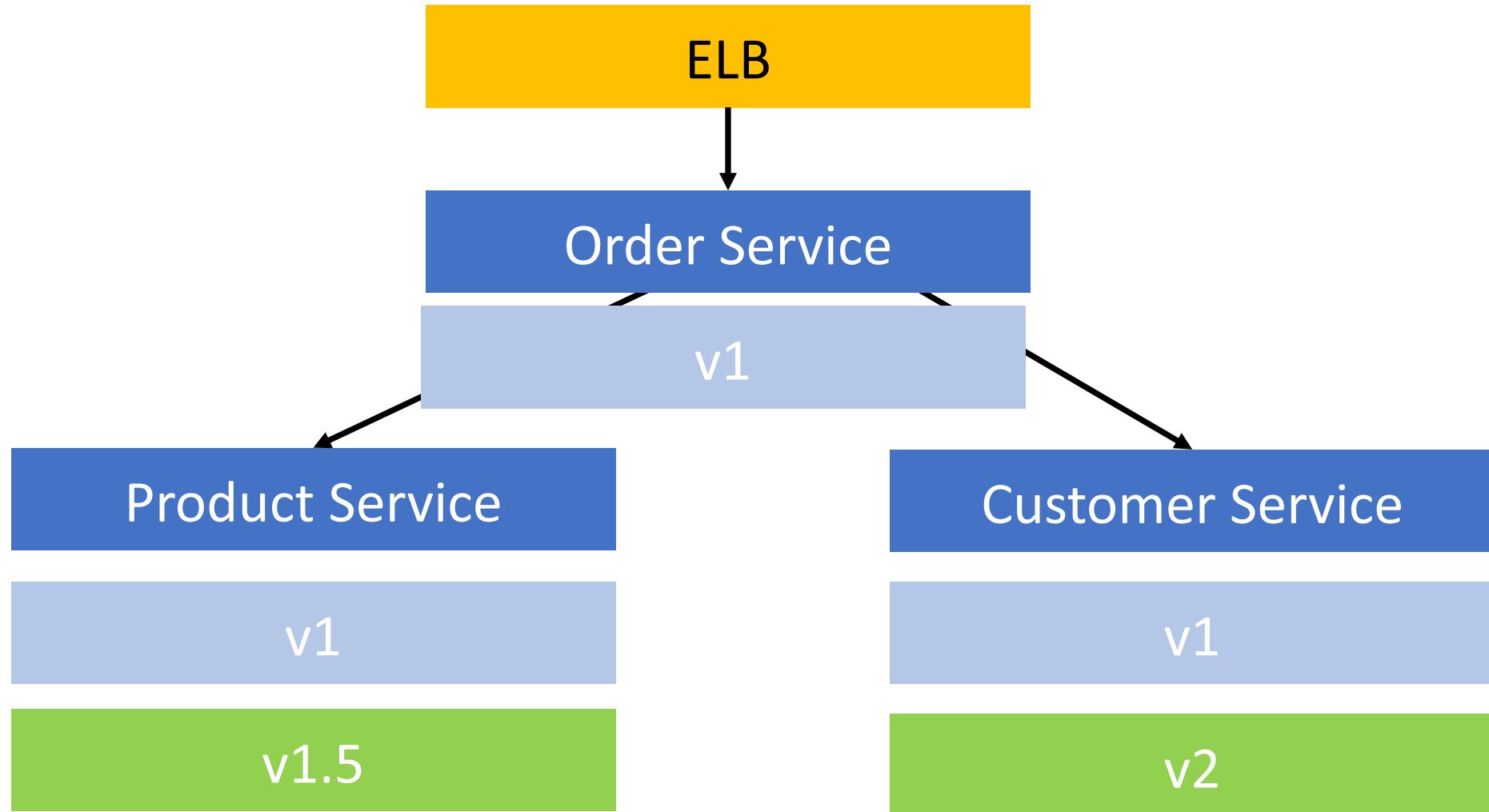
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The Architecture

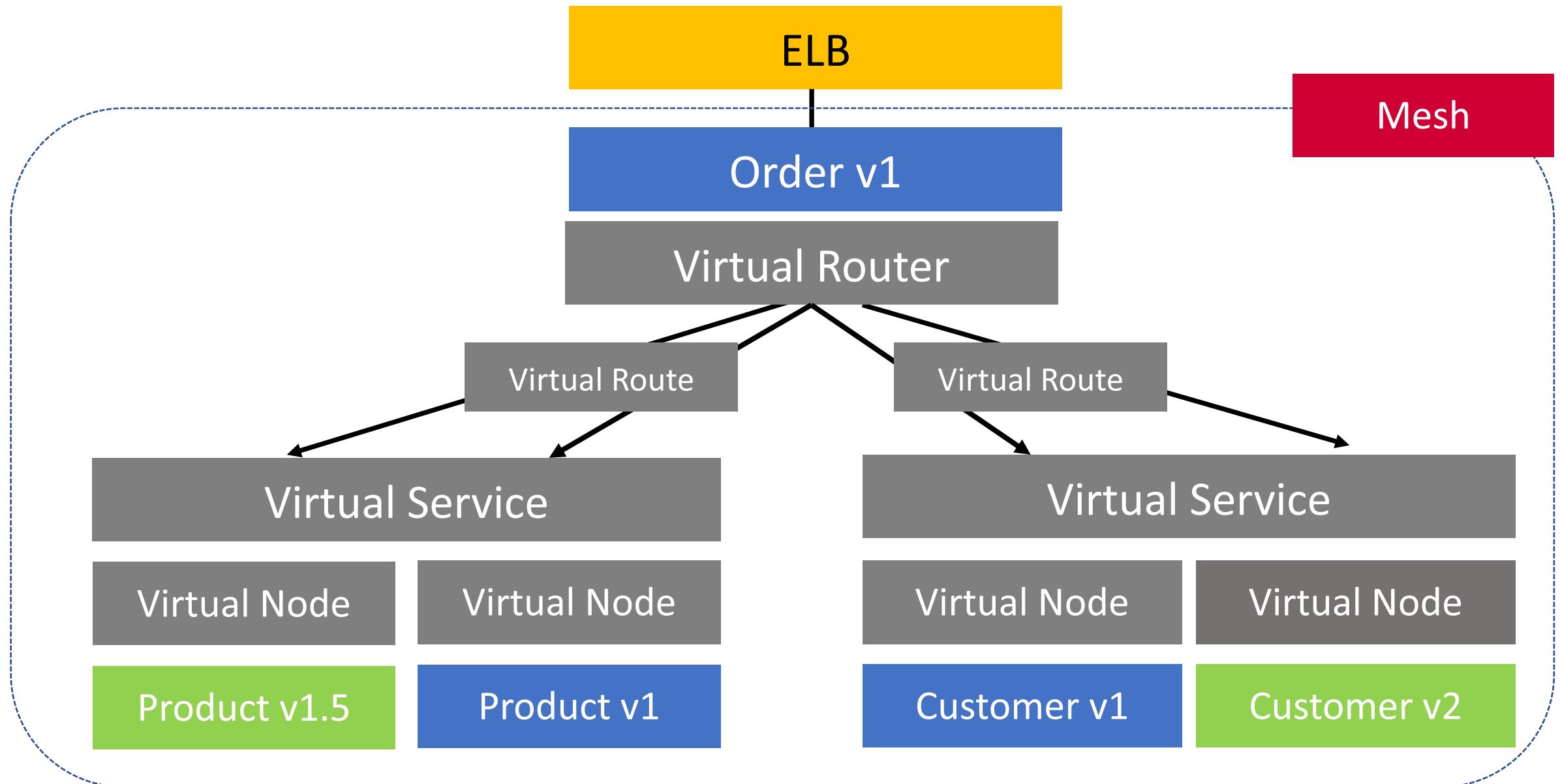


The Architecture with Service Mesh

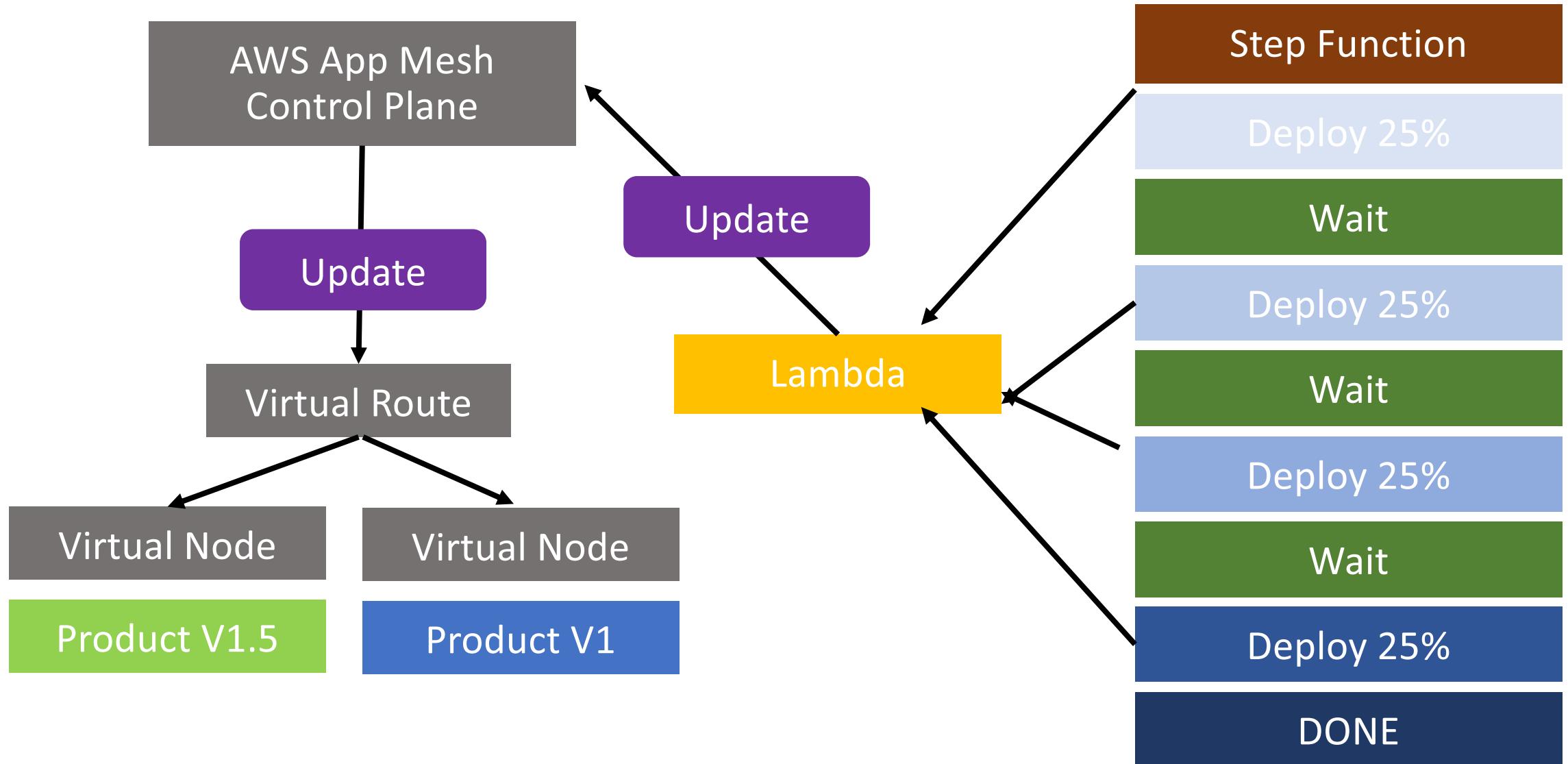




Service Mesh with AWS App Mesh



Automated Incremental Deployment with AWS Step Function





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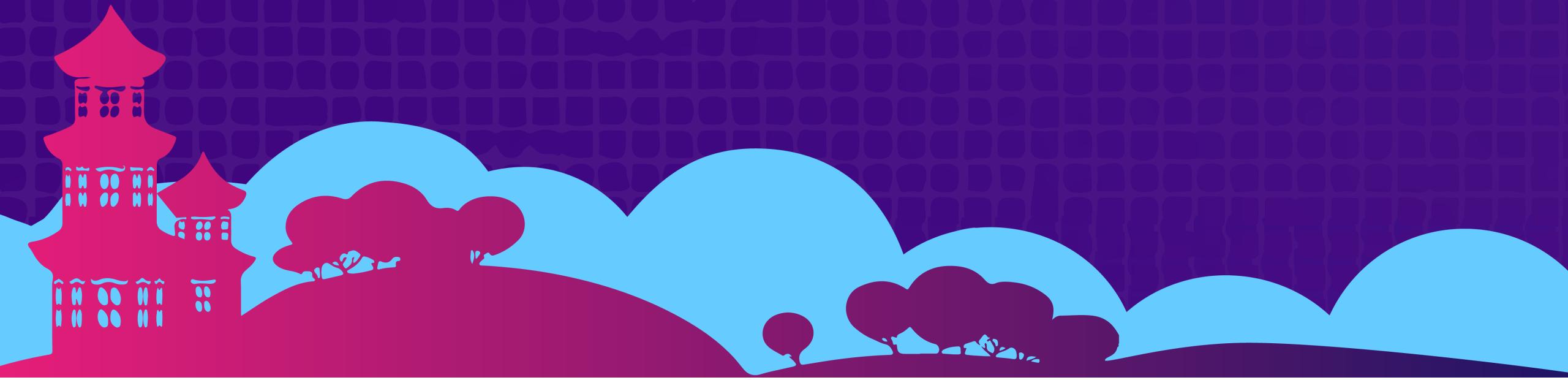
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DEMO



<https://github.com/pahud/aws-appmesh-eks-refarch>



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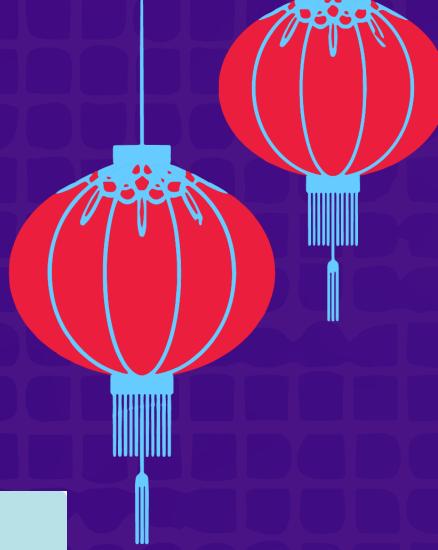


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Thank You

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