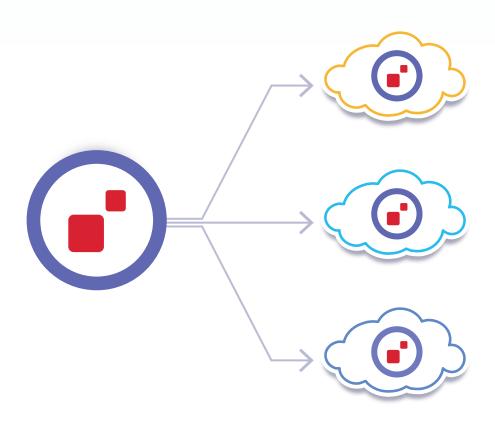


MarkLogic in the Cloud Workshop

Unit 1 – Deployment of a Cluster

■ MarkLogic •



MARKLOGIC CLUSTER

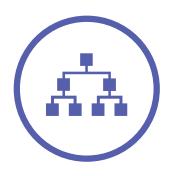
Deployment on AWS

- Parameterized deployment
- Fully managed cluster
- Using CloudFormation templates

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Deployment Choice



Virtual Private Cloud

Create a new VPC or deploy to an existing VPC.



Available Zones / Cluster Size

Multiple Availability Zone and multiple nodes per zone.



Licensing Option

Developer, pay as you go or bring your own license (BYOL)



We will use...



















instance

Internet gateway

AMI

Amazon VPC

router

Amazon Lambda

route table

Elastic Load Balancing



















Auto Scaling

elastic network instance

Amazon S3

bucket

Amazon EBS

DynamoDB

table

CloudWatch

alarm







AWS CloudFormation



template



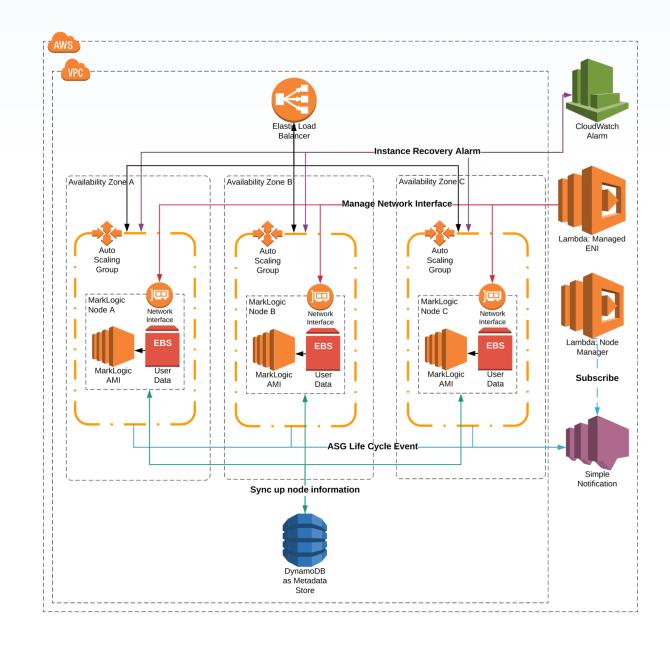
Amazon SNS



virtual private cloud



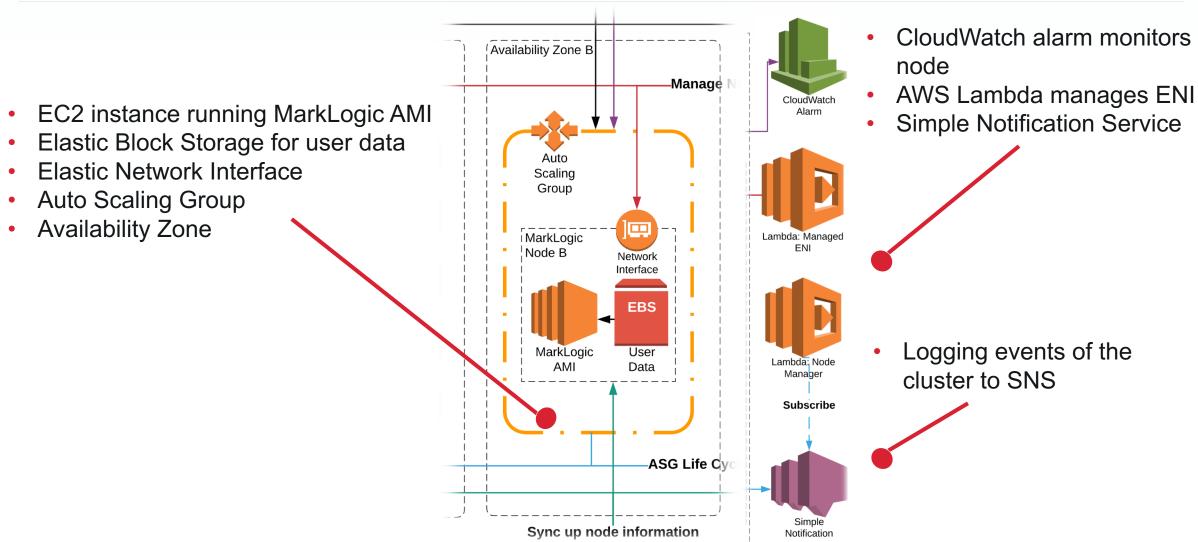
Reference Architecture Diagram



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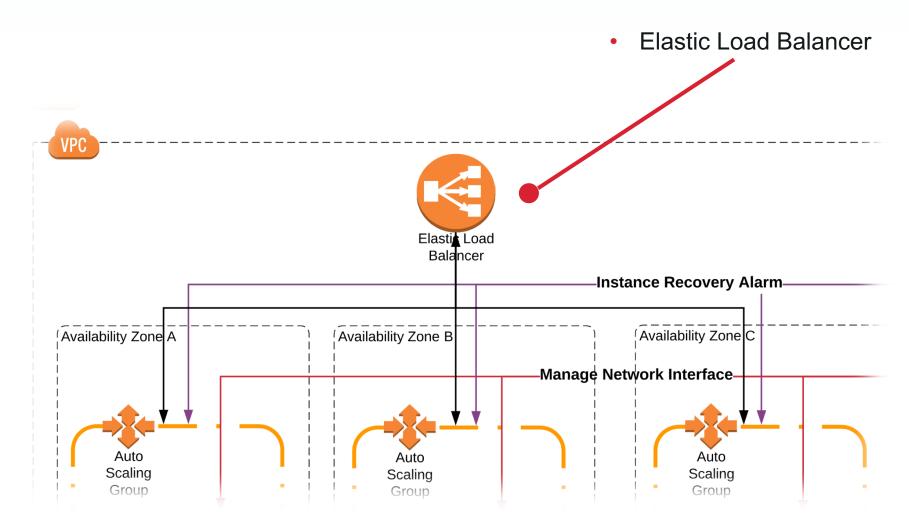
MarkLogic Cluster on AWS



SLIDE: 6



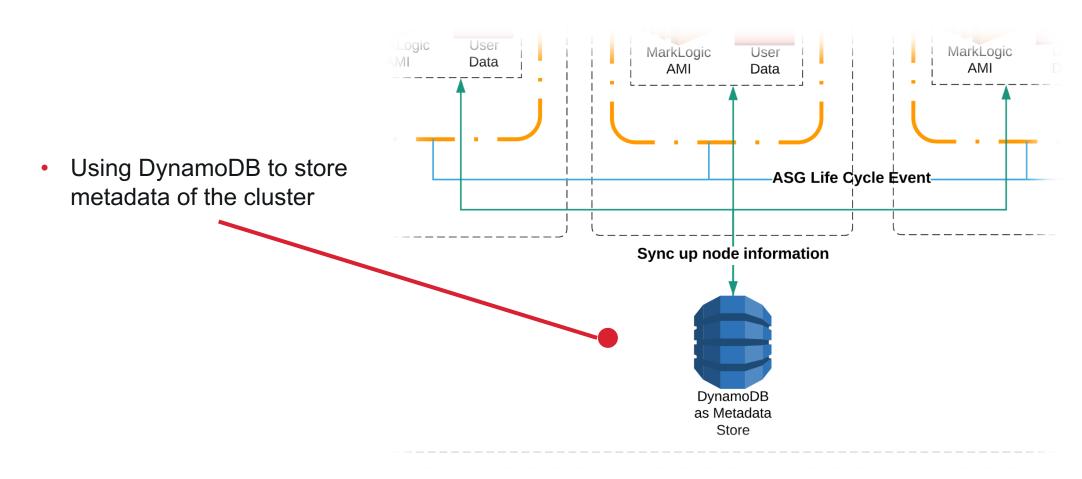
MarkLogic Cluster on AWS



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MarkLogic Cluster on AWS



SLIDE: 8 © 2018 MARKLOGIC CORPORATION



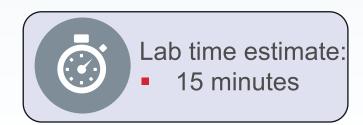
Useful Resources

- MarkLogic Server on Amazon EC2 Guide:
- http://docs.marklogic.com/guide/ec2
- MarkLogic Cloud-Enablement GitHub:
 https://github.com/marklogic/cloud-enablement
- MarkLogic in the Cloud: https://developer.marklogic.com/products/cloud

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- Use CloudFormation template.
- Customize cluster parameters.
 - Wait for the cluster to come online.
- Check the status of running cluster.

DO

- Note the resources deployed with a managed cluster.
- Check the nodes are forming a functional cluster.

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Lab time estimate:

15 minutes

- Deploy a cluster into existing VPC
- Single node cluster

DO

- Notice the difference of configuration parameters.
- Check the nodes are forming a functional cluster, but only one node.

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Unit 1 QUIZ

- What happens to the cluster if one node goes down?
- What happens to your data if one node goes down?

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Questions?

Unit 1 – Deployment of a Cluster