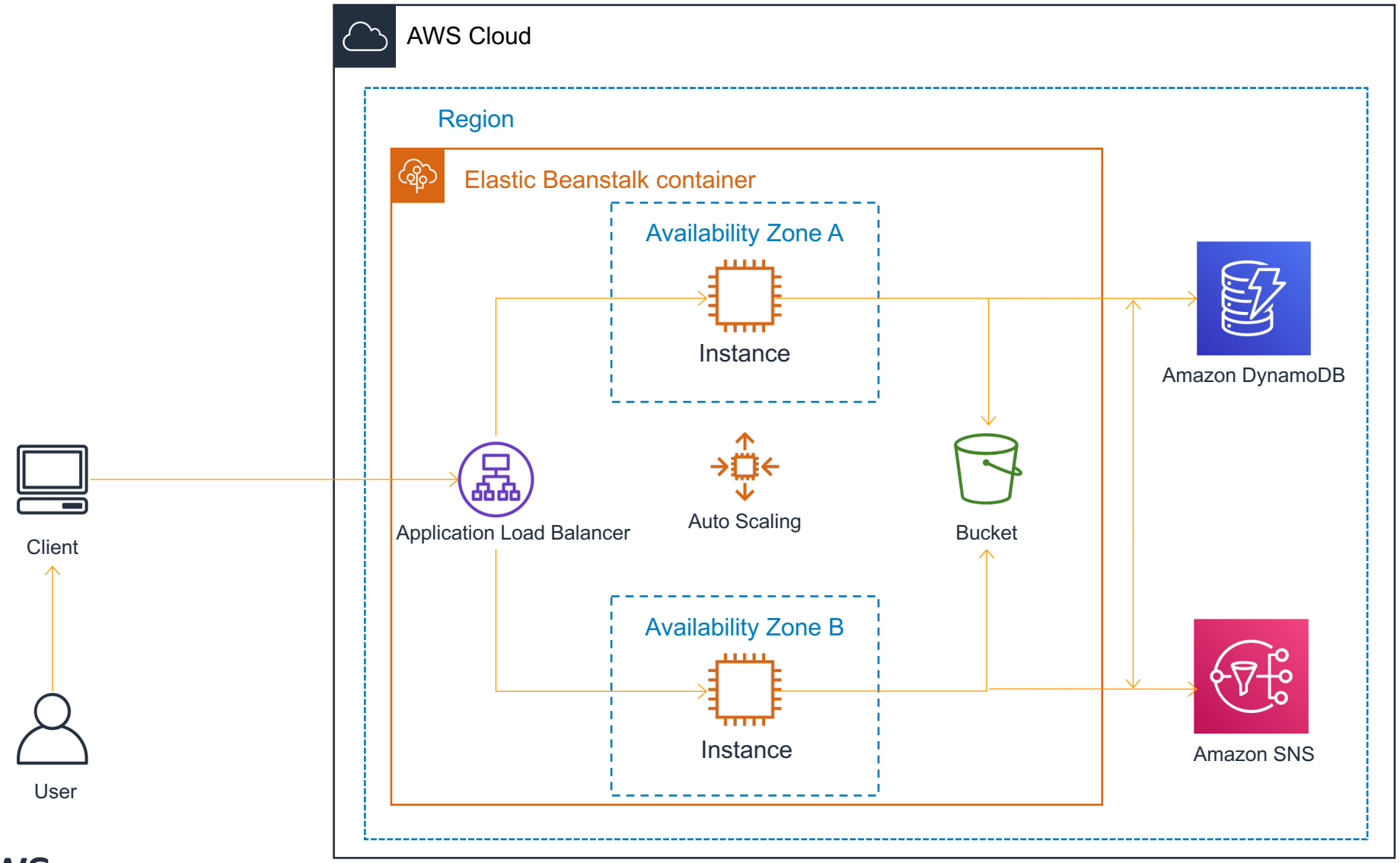
Deploy a Node.js App

AWS : Elastic Beanstalk & DynamoDB

NOVA | Northern Virginia Community College

Architecture : Deploy a Node.js App



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2. Launch Elastic Beanstalk
3. Add permission to EB Instance
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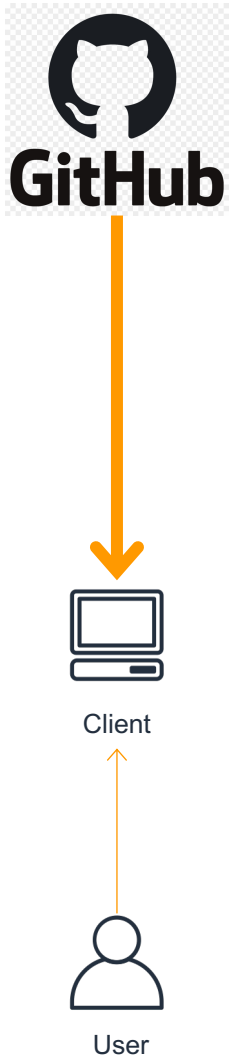

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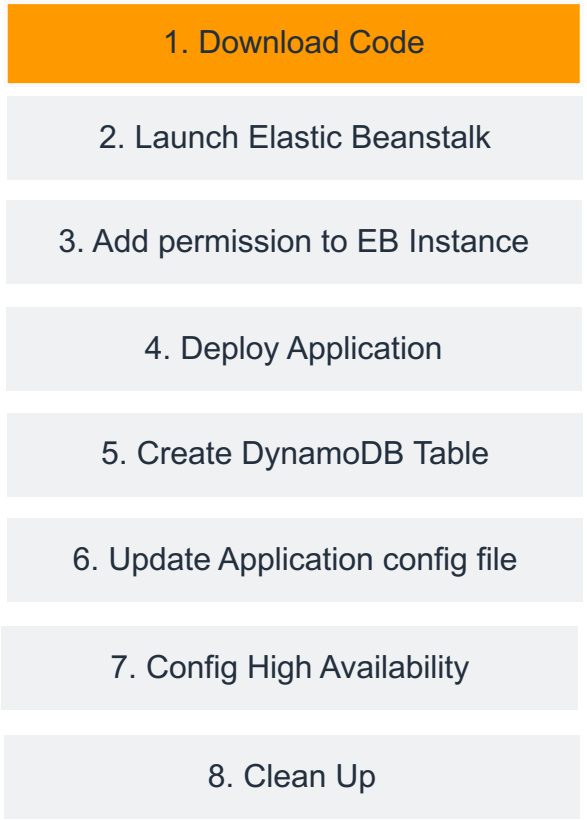
1. Download the sample application source bundle from GitHub.
2. *https://github.com/aws-samples/eb-node-express-sample*



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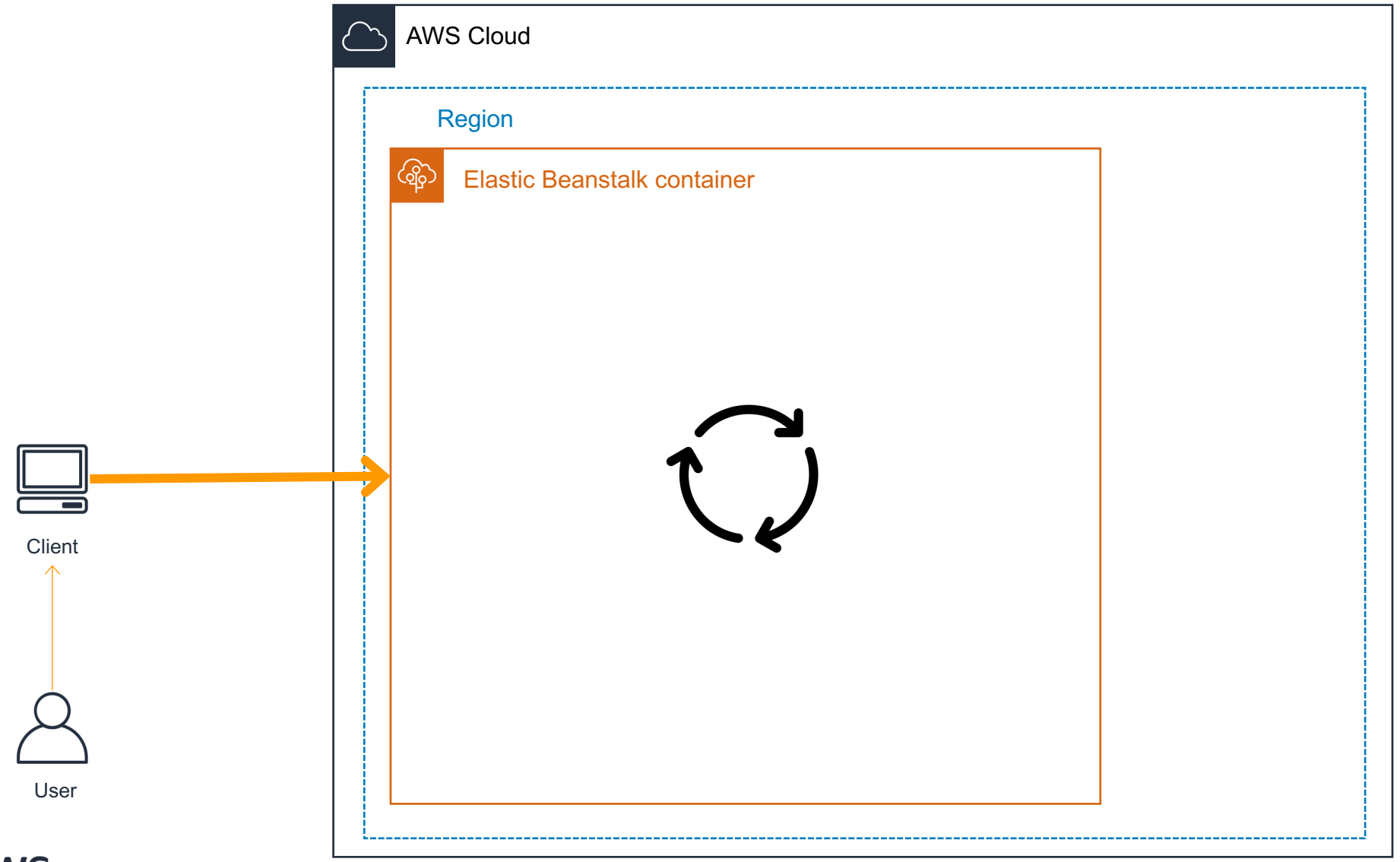

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1. Launch Elastic Beanstalk with preconfigured link
2. Platform → Node.js
3. Application Code → Sample Application
4. Review and launch
5. *http://console.aws.amazon.com/elasticbeanstalk/home#/newApplication?applicationName=tutorials&environmentType=LoadBalanced*

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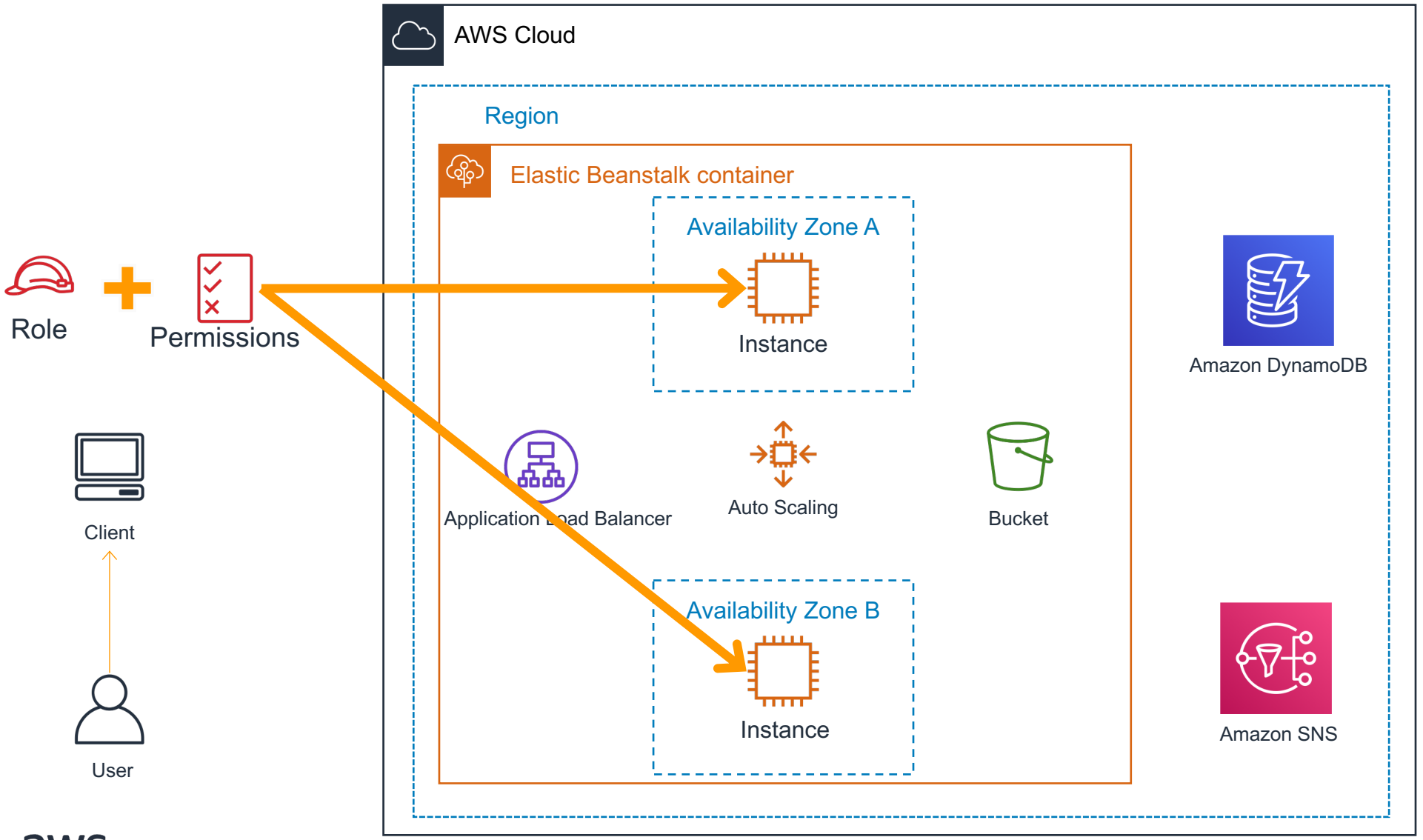

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Deploy a Node.js App

1. AWS Management Console → Services → IAM
2. Choose → aws-elasticbeanstalk-ec2-role
3. Permissions → Attach Policies
4. Select → **AmazonDynamoDBFullAccess**
5. Select → **AmazonSNSFullAccess**
6. Choose → Attach Policies

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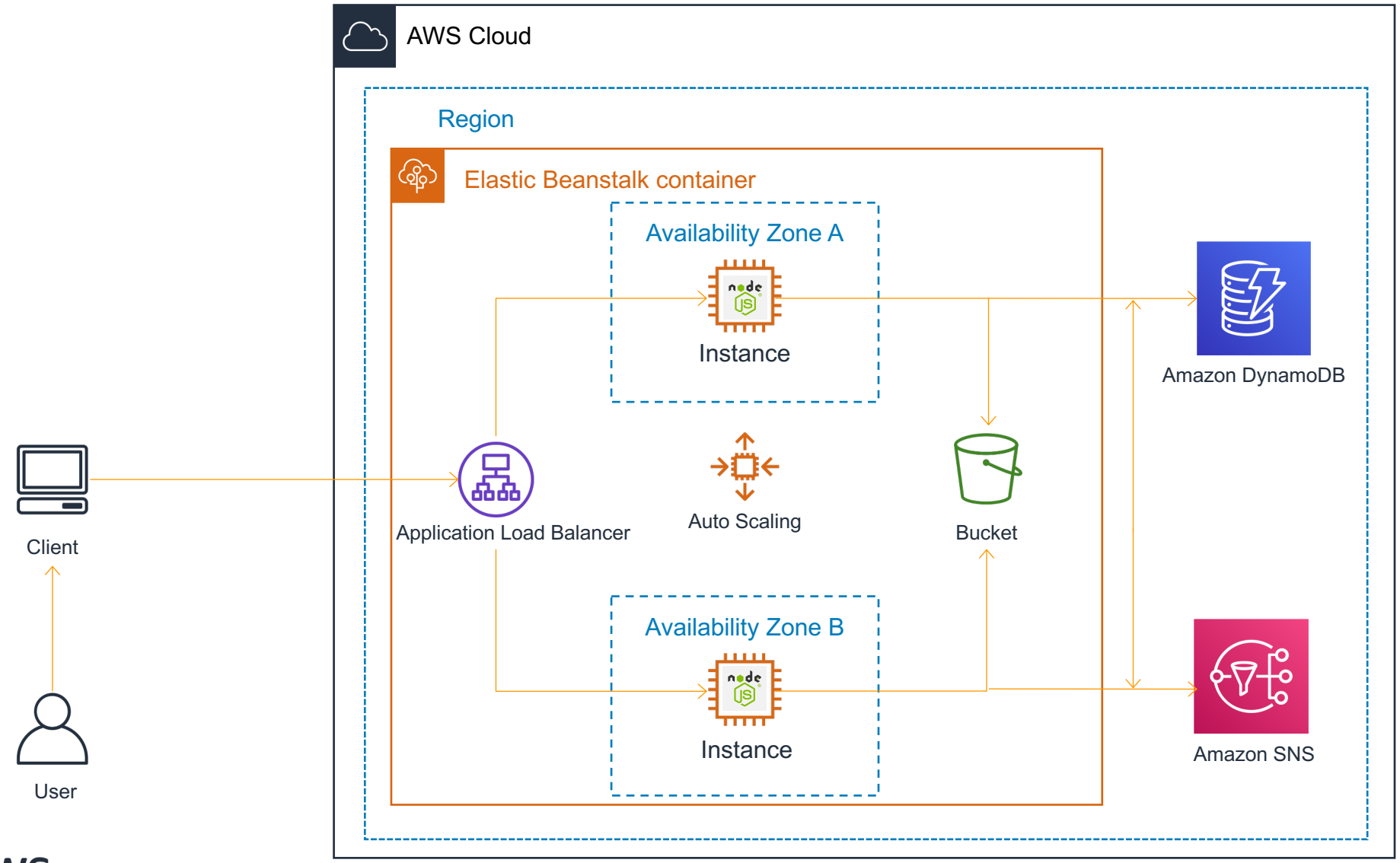

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1. Elastic Beanstalk Management Page → **Upload and Deploy**
2. Upload the zipped file of the downloaded code Deploy

View the table

1. DynamoDB → Tables
2. **StartSignUp** table → items → Start Search

View the topic

1. Amazon SNS → **NewSignupTopic**
2. Topic → View

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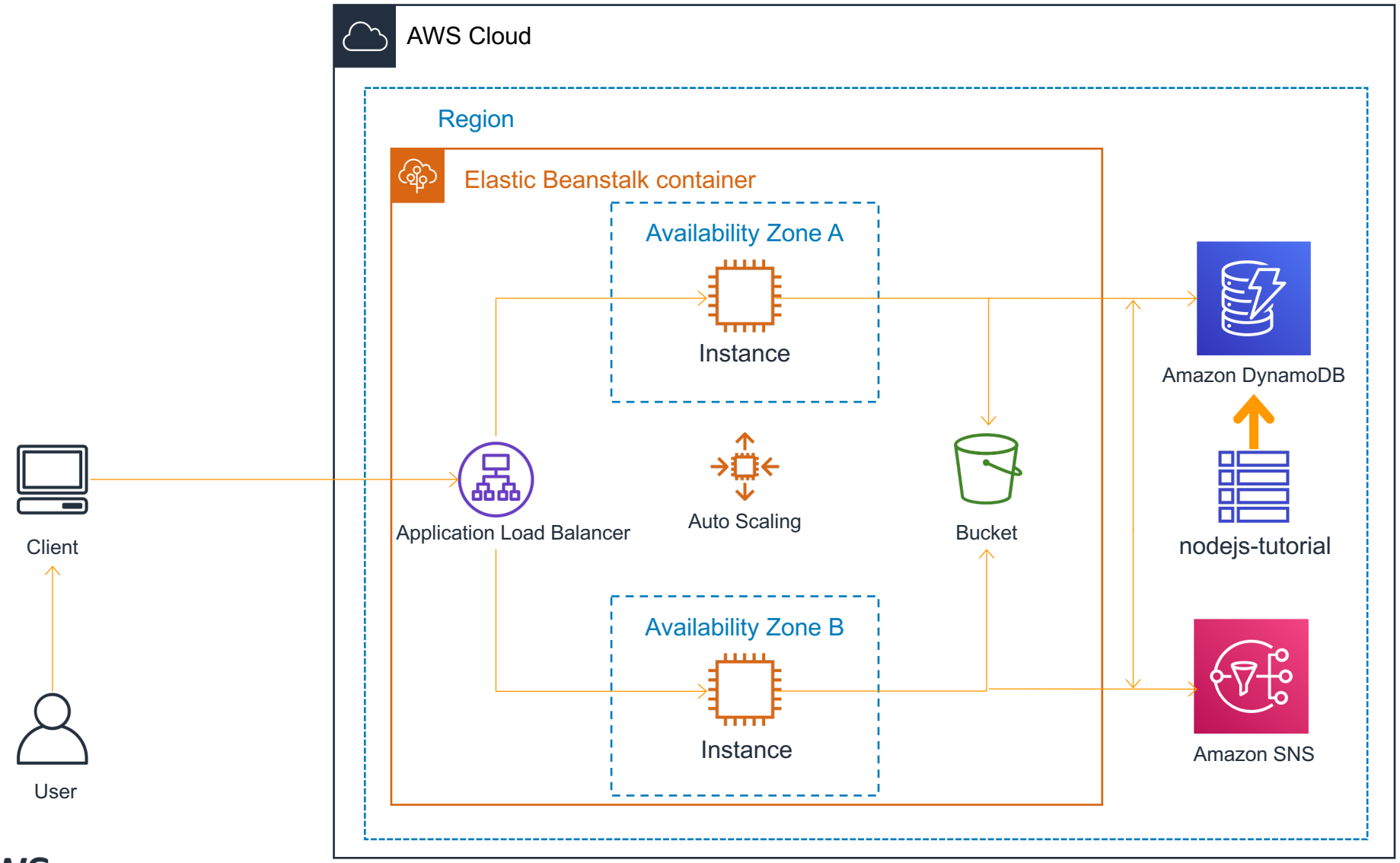

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1. DynamoDB → Create table
2. Table Name : nodejs-tutorial
3. Primary-key : email
4. Primary key type : String
5. Create

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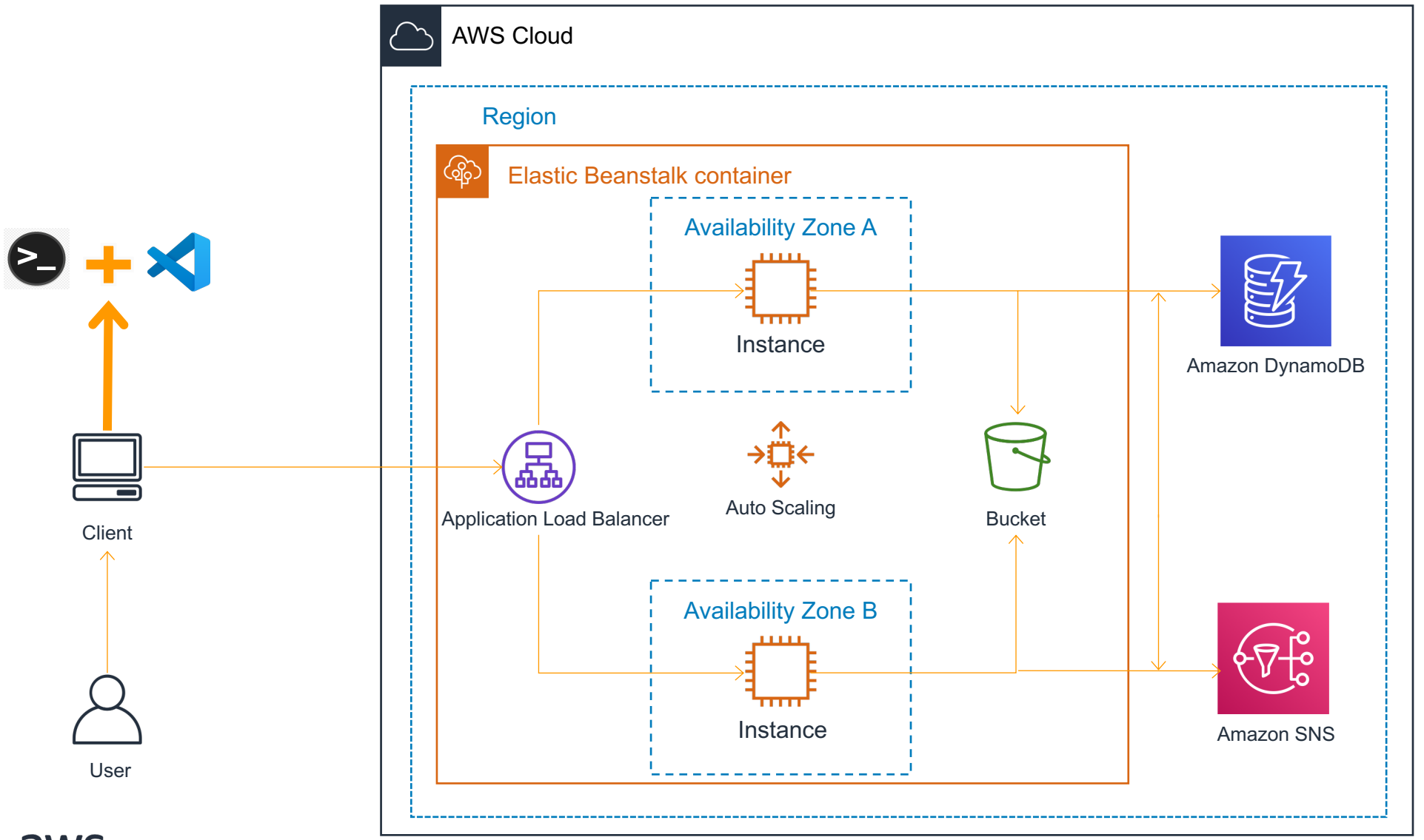

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1. **.ebextensions/options.config**
2. “NewSignupEmail” : shahpar.islam@yahoo.com
3. “STARTUP_SIGNUP_TABLE” : nodejs-tutorial
4. Remove .ebextensions/create-dynamodb-table.config.
5. **zip nodejs-tutorial.zip -r * .[^.]***

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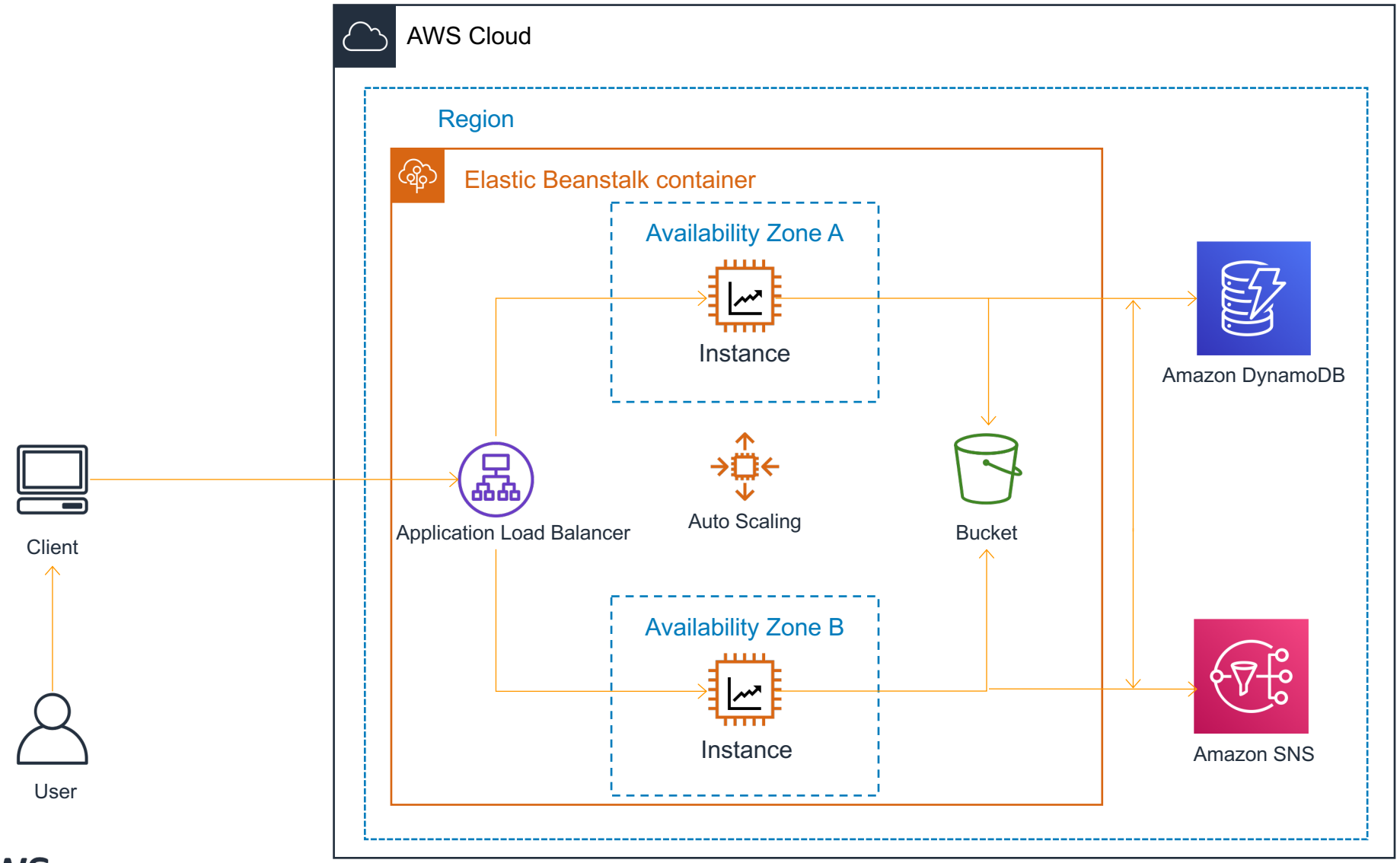

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1. EB Management Page → Configuration
2. Capacity → Edit → Auto Scaling Group → Min instance → 2
3. Apply

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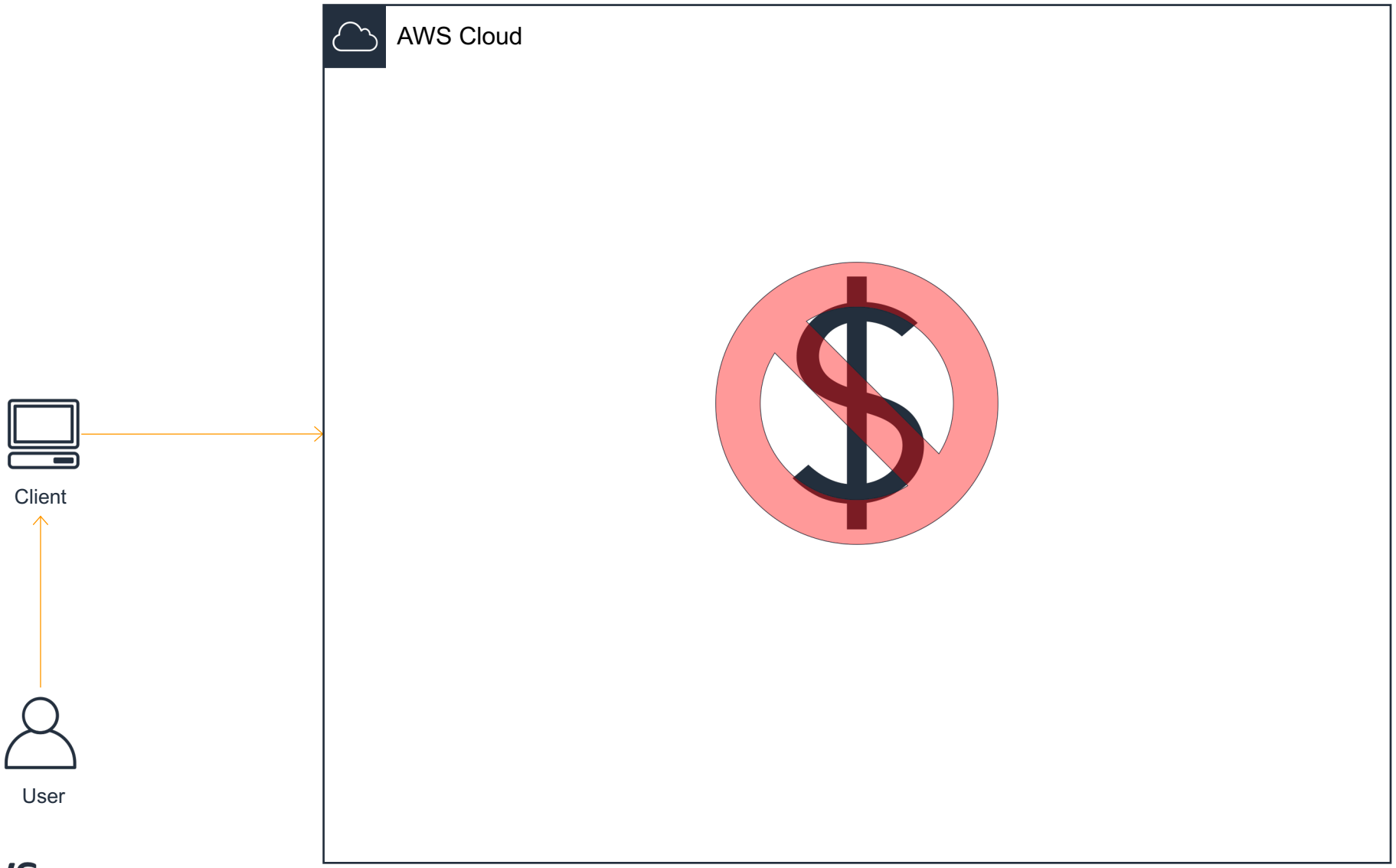

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1. EB Management page → Action → Terminate environment
2. DynamoDB → Actions → Delete Table

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Thanks for watching!!!

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