

Quick Reference

OFF

## Lesson Navigation

Full Diagram

ON

Account Basics

ON

IAM

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S3

ON

EC2

ON

RDS/DynamoDB

ON

SNS

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CloudWatch

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ELB

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Auto Scaling

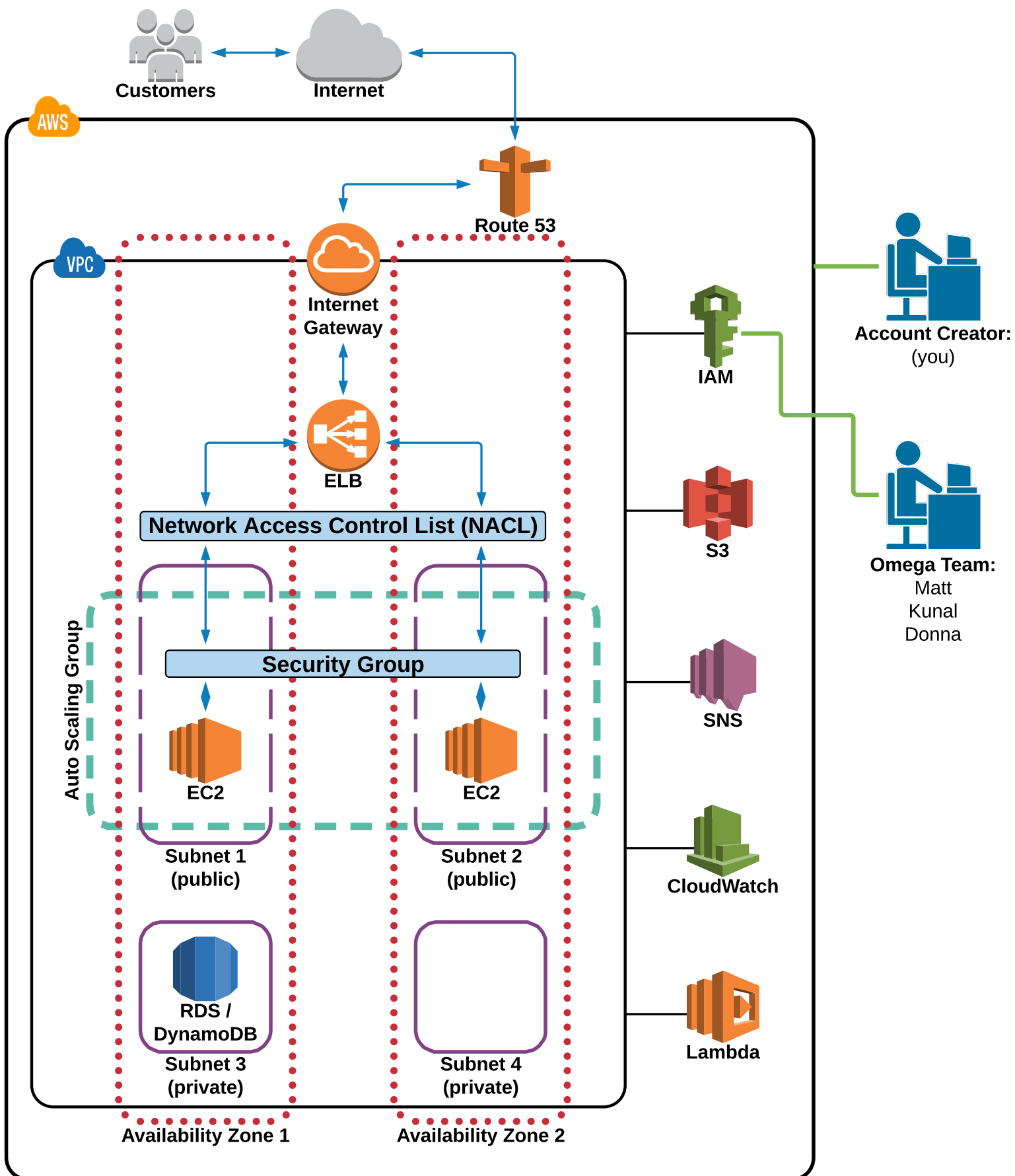
ON

Route 53

ON

Lambda

ON



Quick Reference  
OFF

Current Section = *Account Basics*

## Lesson Navigation

Start

Free Tier

Create an Account

Console Tour

Finish

Back to Main



# Linux Academy

## AWS Essentials Section (1): *Account Basics*

### Section (1) Topics Include:

*What is AWS "Free Tier"*

*Using AWS "Free Tier"*

*How to Create an AWS Account*

*Navigating the AWS Console*

Quick Reference

OFF

Current Section = *IAM*

## Lesson Navigation

Start

What is IAM?

IAM Setup

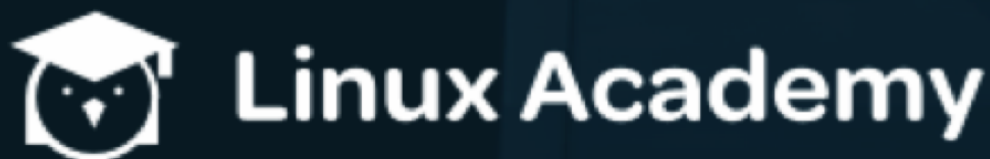
Users & Policies

Groups & Policies

IAM Roles

Finish

Back to Main



## AWS Essentials Section (2): *Identity & Access Management (IAM)*

Section (2) Topics Include:

*What is IAM?*

*IAM Setup and Configuration*

*Explanation of (and How to Use):*

*Users*

*Groups*

*Policies*

*Roles*

Quick Reference  
OFF

Current Section = VPC

## Lesson Navigation

Start

Infrastructure

VPC Basics

Internet Gateway

Route Tables

NACLs

Subnets

Availability Zones

Finish

Back to Main



# Linux Academy

## AWS Essentials Section (3): *Virtual Private Cloud (VPC)*

### Section (3) Topics Include:

*Overview of AWS Global Infrastructure*

*VPC Introduction and Explanation*

*How Data Travels Through AWS Architecture, Covering:*

*Internet Gateways*

*Route Tables*

*Network Access Control List*

*Subnets*

Quick Reference  
OFF

Current Section = S3

## Lesson Navigation

Start

S3 Basics

Buckets & Objects

Storage Classes

Object Lifecycles

Permissions

Versioning

Finish

Back to Main



# Linux Academy

## AWS Essentials Section (4): *Simple Storage Service (S3)*

### Section (4) Topics Include:

*Introduction to S3*

*Pricing/Cost Overview*

*Managing Buckets, Folders, and Objects*

*Uploading and Downloading Objects*

*Storage Classes Use Cases & Cost*

*Object LifeCycles*

*Permissions*

*Object Versioning*

Quick Reference  
OFF

Current Section = *EC2*

## Lesson Navigation

Start

EC2 Basics

AMI's

Instance Types

EBS Volumes

Security Groups

IP Addressing

Provisioning EC2

Finish

Back to Main



## AWS Essentials Section (5): *Elastic Compute Cloud (EC2)*

### Section (5) Topics Include:

*Overview of AWS Elastic Compute Cloud (EC2)*  
*Amazon Machine Images*  
*Review of Instance Type Components*  
*EBS Volume Basics and Snapshots*  
*Using Security Groups with EC2*  
*IP Addressing*  
*Launching and Logging in to an EC2 Instance*

Quick Reference

OFF

Current Section = *RDS & DynamoDB*

## Lesson Navigation

Start

Database Basics

Provisioning RDS

Finish

Back to Main



# Linux Academy

## AWS Essentials Section (6): *RDS and DynamoDB*

### Section (6) Topics Include:

*Overview AWS's Core Database Offerings*  
*Conceptual Review of SQL and NoSQL Databases*  
*Database Pricing Overview*  
*Provisioning and Connecting to an RDS Database*  
*SSH Tunneling*



Quick Reference

OFF

Current Section = SNS

## Lesson Navigation

Start

SNS Basics

Using SNS

Finish

Back to Main



# Linux Academy

## AWS Essentials Section (7): *Simple Notification Service (SNS)*

Section (7) Topics Include:  
*Introduction to SNS*  
*SNS Conceptual Overview*  
*Using SNS, Including How to:*  
*Create a Topic*  
*Add Subscriptions*  
*Send Messages*



Quick Reference  
OFF

Current Section = *CloudWatch*

## Lesson Navigation

Start

CloudWatch Basics

Metrics & Alarms

Finish

Back to Main



# Linux Academy

## AWS Essentials Section (8): *CloudWatch*

### Section (8) Topics Include:

*Introduction to CloudWatch*

*Conceptual Overview*

*Pricing/Cost Overview*

*Metrics and Alarms*

*Using Alarms to Trigger SNS Topics*

Quick Reference

OFF

Current Section = *ELB*

## Lesson Navigation

Start

ELB Basics

Creating an ELB

Finish

Back to Main



## AWS Essentials Section (9): *Classic Elastic Load Balancer (ELB)*

### Section (9) Topics Include:

*Introduction to Elastic Load Balancing*  
*Conceptual Overview of ELBing*  
*Benefits and ELB Use Cases*  
*Cost/Pricing Overview*  
*How to Create a Classic ELB*  
*ELB Security*

Quick Reference  
OFF

Current Section = *Auto Scaling*

## Lesson Navigation

Start

A.S. Basics (1)

A.S. Basics (2)

Setting up A.S.

Finish

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# Linux Academy

## AWS Essentials Section (10): *Auto Scaling*

### Section (10) Topics Include:

*Conceptual Overview of Auto Scaling*

*Auto Scaling Components*

*Pricing/Cost Overview*

*Launch Configurations*

*Auto Scaling Groups*

*How to Set Up and Use Auto Scaling*

Quick Reference  
OFF

Current Section = *Route 53*

## Lesson Navigation

Start  
**\_\_\_\_\_**

Route 53 Basics

Using Route 53

Finish

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# Linux Academy

## AWS Essentials Section (11): *Route 53*

### Section (11) Topics Include:

*Overview of Route 53*

*DNS Servers*

*How Your Computer Locates a Web Server*

*Registering a Web Domain*

*Configuring Route 53 to use a Domain*

Quick Reference  
OFF

Current Section = *Lambda*

## Lesson Navigation

Start  


Lambda Basics

Lambda Test

Finish

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# Linux Academy

## AWS Essentials Section (12): *Lambda*

Section (12) Topics Include:  
*Introduction to AWS Lambda*  
*Overview of Serverless Computing*  
*Pricing/Cost Overview*  
*Using Lambda to Execute Code*