

AWS Developer: Getting Started

WELCOME TO AWS



Ryan Lewis

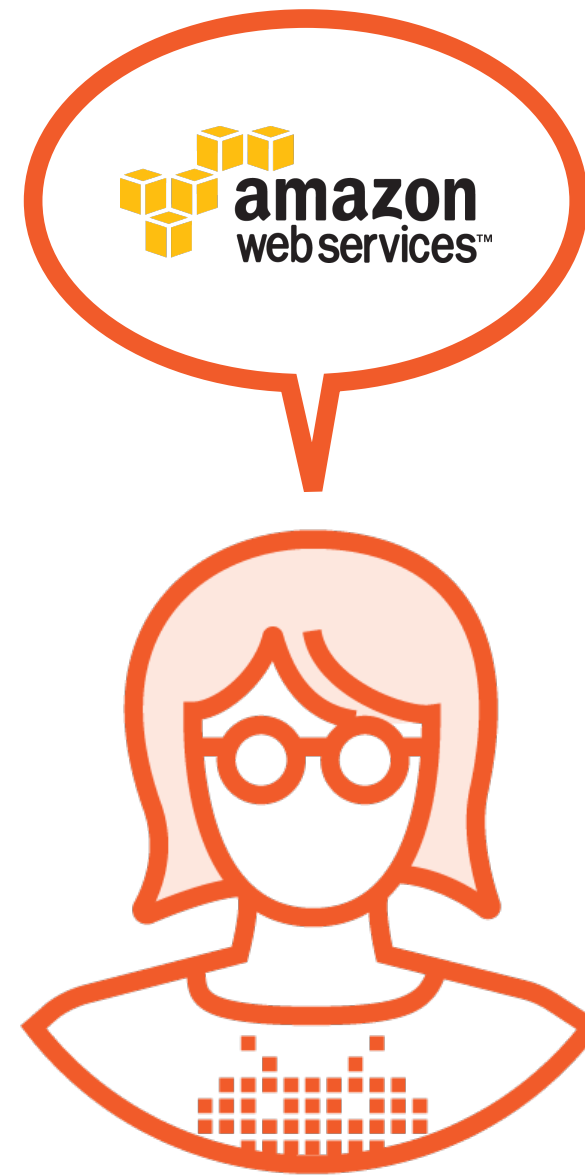
CLOUD ENGINEER

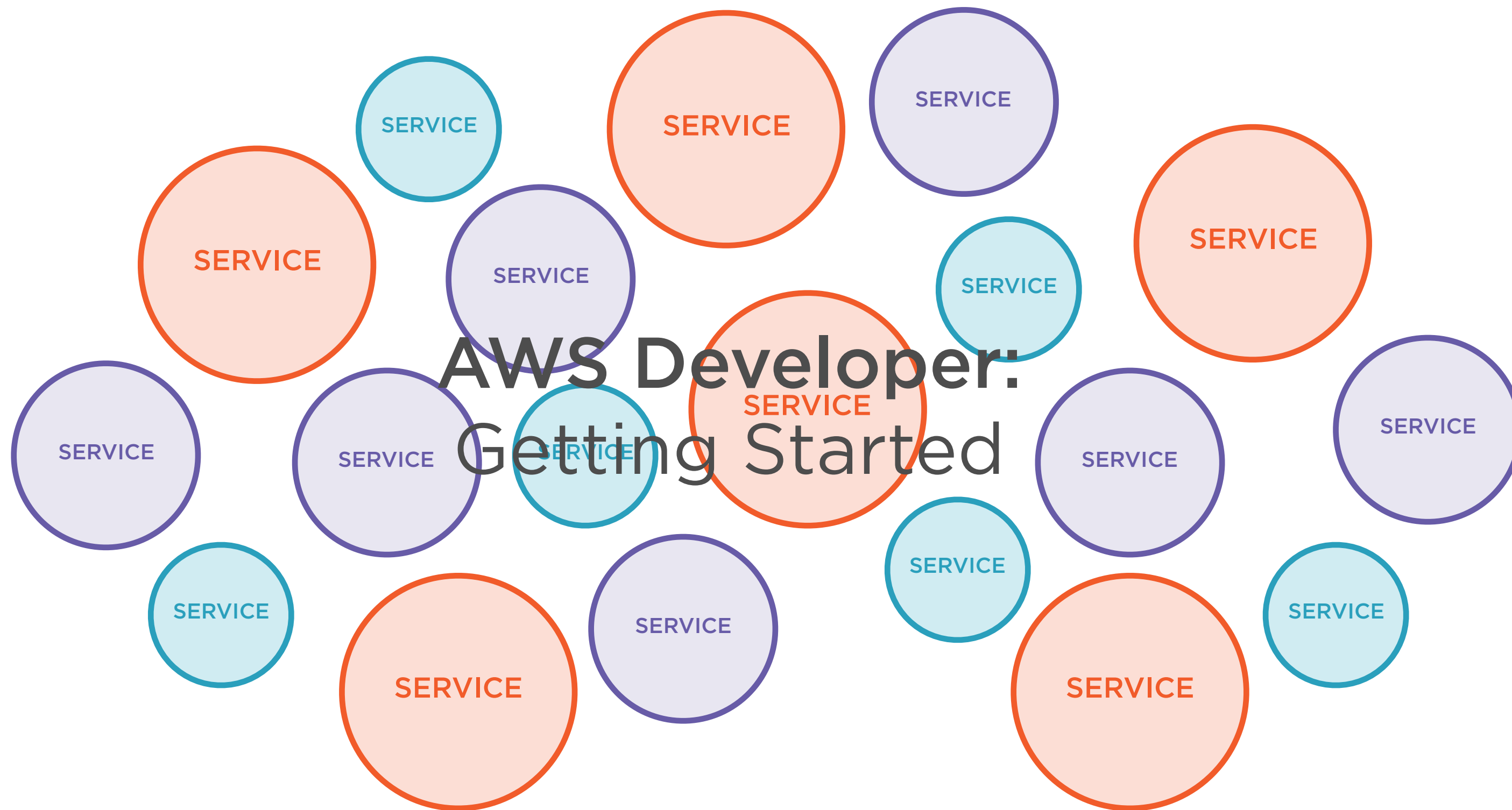
@ryanmurakami ryanlewis.dev





amazon
web services™

Cloud ?












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
AWS Developer: The Big Picture

by Ryan Lewis

Amazon Web Services is the biggest cloud computing service in the world, used by huge enterprises and startups alike. This course will give you a solid overview of what AWS is, how it can be used, and the various ways it can be accessed.

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Table of contents

Description


Transcript

Exercise files


Discussion


Learning Check


Recommended

This course is part of:  AWS Certified Developer - Associate Path


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 Course Overview






1m 43s



Course author



Ryan Lewis

Ryan Lewis is a Software Engineer who specializes in ambitious single page web applications. He started building websites over 15 years ago to promote his bands and record label. After traveling...

Course info

Level

Beginner

Rating

★★★★☆ (598)

My rating

★★★★★

Duration

1h 34m

Updated

1 Mar 2019

<https://www.pluralsight.com/courses/aws-developer-big-picture>

Overview

Developing in the clouds

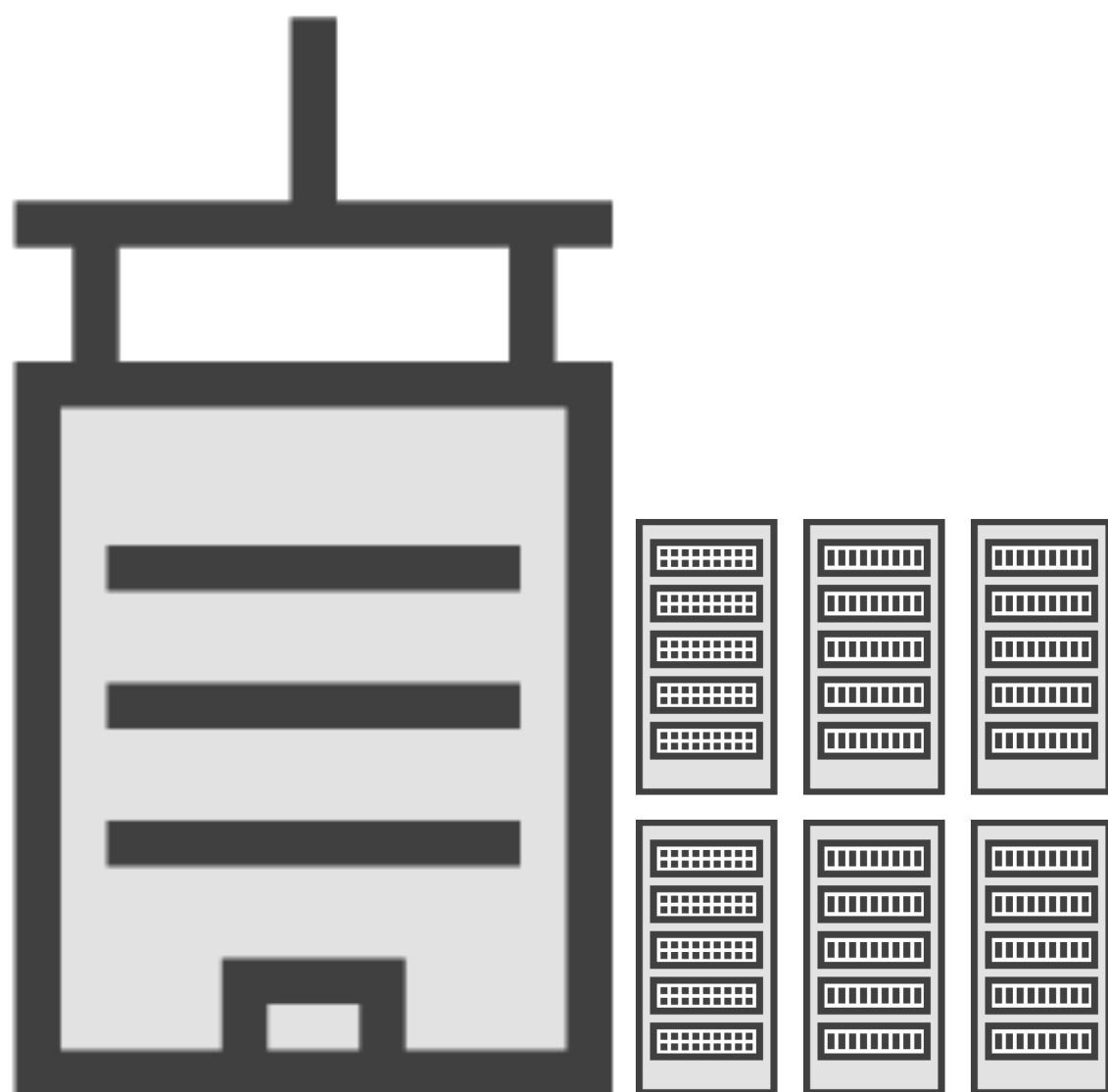
Even you can develop on AWS

Tools of the trade

Who loves pizza?

Install the magic

Developing in the Cloud



Hi. I'm
new here.



Similar

Local Development & AWS Development

Application runs on OS/Platform

Requires platform to be installed (eg .NET)

HTTP Servers listens on ports

Connects to outside databases

Different

Local Development

Everything runs locally on same machine

Files stored on server

Database on same server as application

Connections done manually

AWS Development

One Service = One Responsibility

Files served from S3

Database as a Service

Connections done with AWS SDK

“Well... This is weird.”

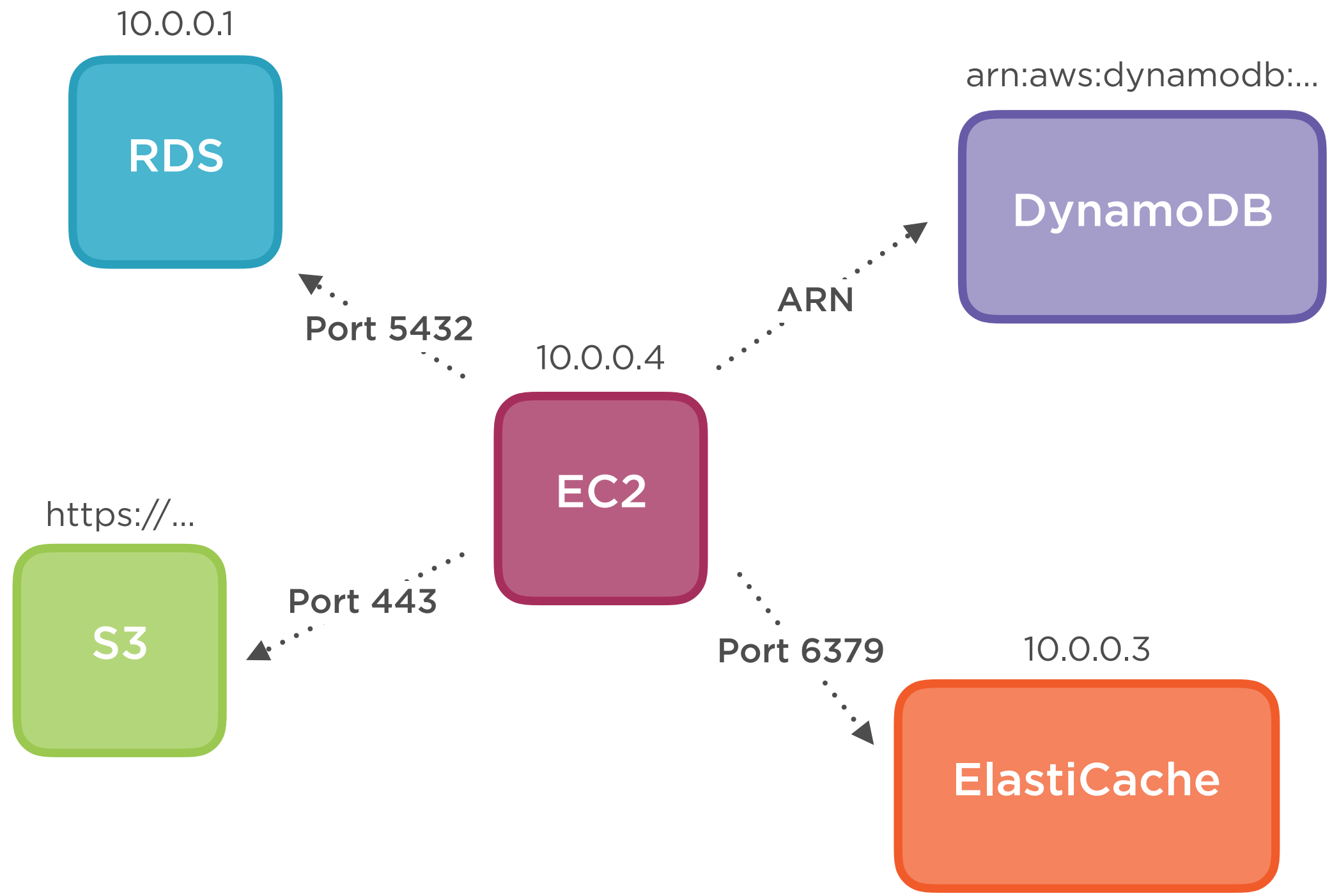
- **Anonymous Aspiring AWS Developer**

The Web of Amazon Web Services

55+ services currently available from AWS

Where do you start?



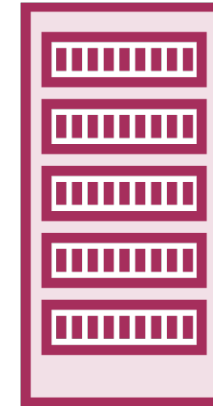
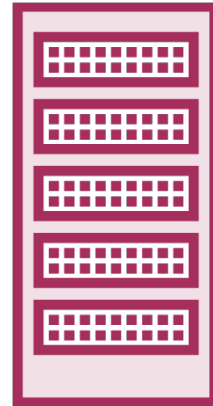


Relational
Database Service

Elastic Beanstalk

EC2

Elastic Cloud
Compute



“Wow! AWS is really easy.”

- Developer that just finished watching AWS Developer: Getting Started

AWS Tooling: Web Console

Web Console

AWS Management Console

AWS services

Find Services
You can enter names, keywords or acronyms.

Example: Relational Database Service, database, RDS

► **All services**

Build a solution
Get started with simple wizards and automated workflows.

Launch a virtual machine
With EC2
2-3 minutes

Build a web app
With Elastic Beanstalk
6 minutes

Access resources on the go

Access the Management Console using the AWS Console Mobile App. [Learn more](#)

Explore AWS

Open Distro for Elasticsearch
A 100% open-source, community driven distribution of Elasticsearch with enterprise-grade security and alerting features [Learn more](#)

Run Serverless Containers with AWS Fargate
AWS Fargate runs and scales your containers without having to manage servers or clusters. [Learn more](#)

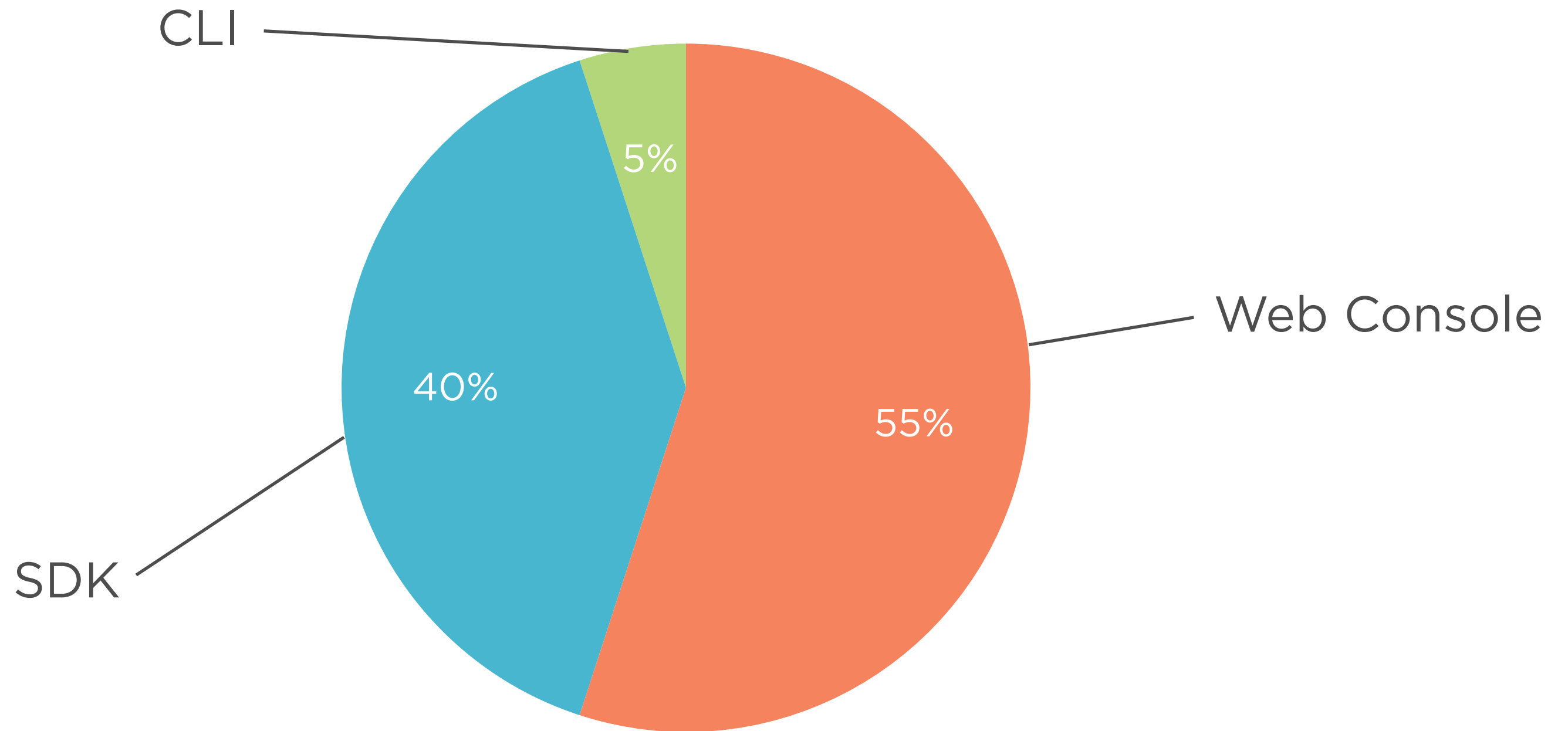
Web Console

Configure & create resources

Each service has its own dashboard

Dashboards are similar to each other

Tooling Usage in This Course



The AWS Console works
best in a modern browser

AWS Tooling: Command Line Interface

AWS CLI Features

**Great for Shell
Scripting**

**Feature Complete
with Console &
SDKs**

**Interact with Any
Service**

AWS CLI: Made for
operations engineers more
than developers

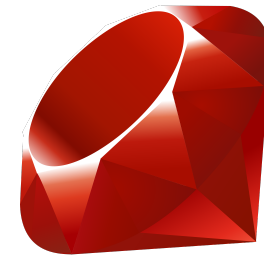
CLI Usage in This Course

Configure local development environment

Alternative to Console Actions

AWS Tooling: Software Development Kits

Some of the AWS SDKs



iOS

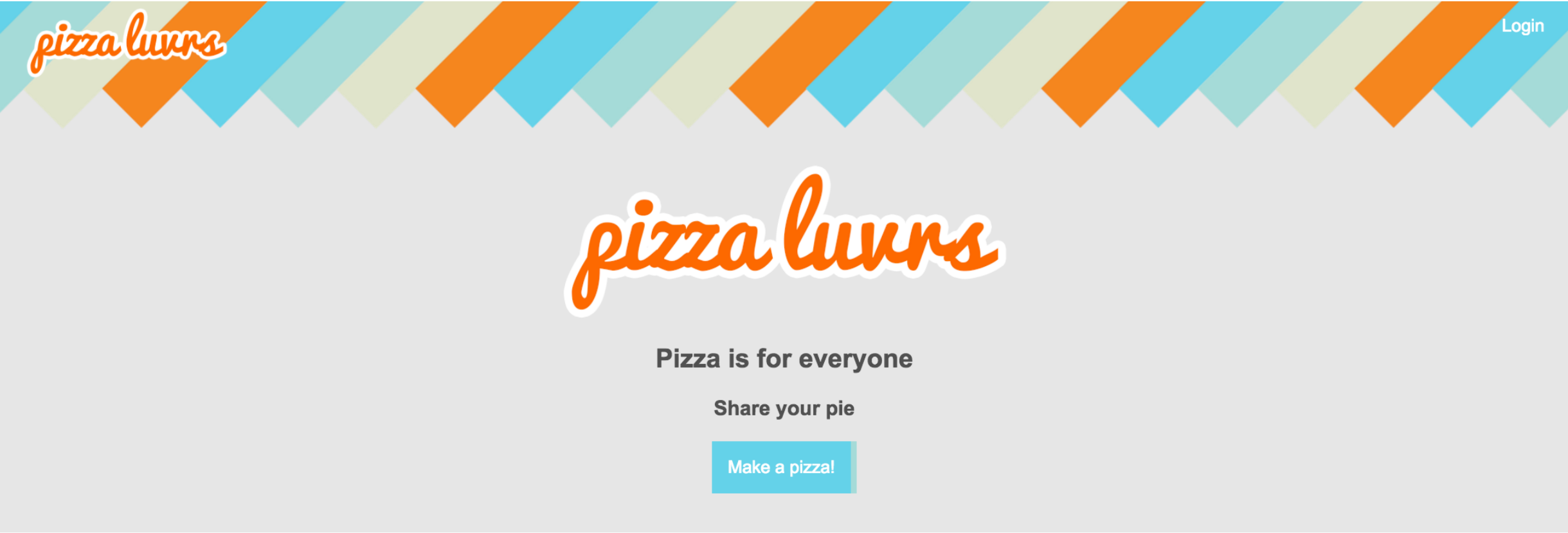


AWS Access Key gives
access for SDK & CLI

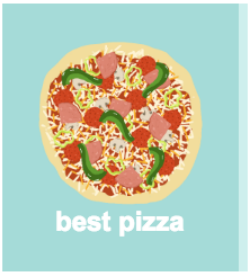
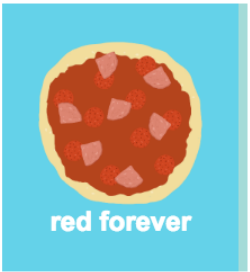
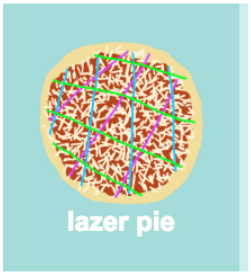
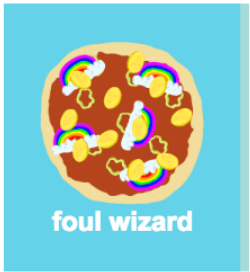


Who Luvs Pizza?

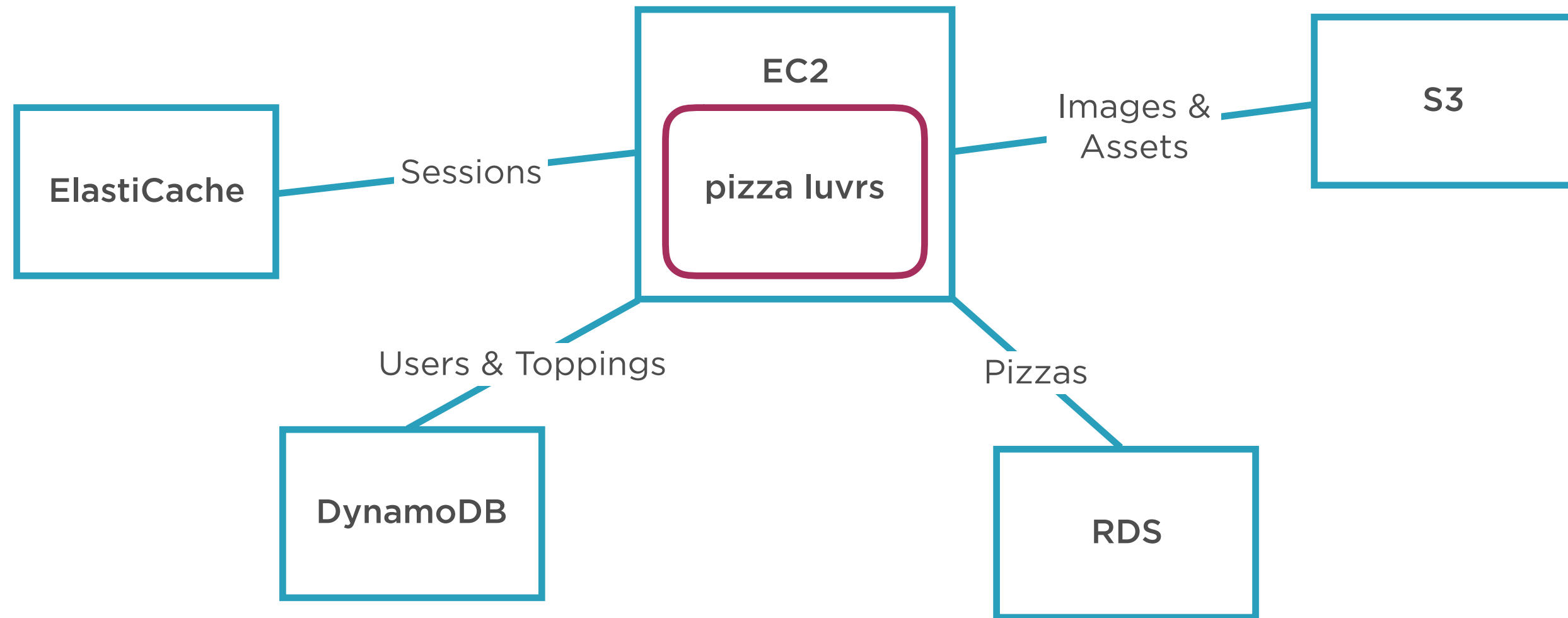
Demo Application



Recent Pizzas



Application Mapping to AWS Services



We'll learn AWS by doing

Technologies Used in Pizza Luvrs

hapi

Node.js Web Framework

Handlebars

JavaScript Templating Engine

Building Web Applications with hapi

The screenshot shows the Pluralsight website interface for a course titled "Building Web Applications with hapi" by Ryan Lewis. The page features a dark blue header with the Pluralsight logo and navigation links. The main content area has a teal background with a person wearing VR goggles. The course description states that hapi is a web application framework built on Node, and the course covers routing, plugins, and templating. A "Start free trial now" button is prominently displayed. On the right, a sidebar provides course details: Level (Beginner), Rating (4.5 stars from 90 reviews), Duration (2h 30m), and Release date (16 Jun 2015). Below this, the course author Ryan Lewis is introduced as a Software Engineer who specializes in single-page web applications. A second "Start free trial now" button is located at the bottom of the sidebar. The bottom of the page includes social media sharing options for Facebook, Twitter, LinkedIn, and Google+.

PLURALSIGHT

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Building Web Applications with hapi

By Ryan Lewis

hapi is a web application framework built on Node. This course introduces you to hapi and walks you through developing a web application. Routing, plugins, and templating are all covered.

Start free trial now

Table of contents Description

Expand all

- Introduction to hapi 21m 28s
- Routing 39m 29s
- Templating & Plugins 42m 14s
- Advanced Topics 46m 58s

Course info

Level Beginner

Rating ★★★★★ (90)

Duration 2h 30m

Released 16 Jun 2015

Course authors

Ryan Lewis

Ryan Lewis is a Software Engineer who specializes in ambitious single page web applications. He teaches Java and JavaScript to aspiring web developers and technology professionals. In his free time, Ryan enjoys spending time with his family, playing video games, and releasing underground Japanese music on his record label, MeatCube.

Start free trial now

Share course

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<https://www.pluralsight.com/courses/hapi-building-web-applications>

JavaScript Templating with Handlebars

The screenshot shows the Pluralsight website interface for a course titled "JavaScript Templating with Handlebars" by Ryan Lewis. The page features a dark blue header with the Pluralsight logo and navigation links. The main content area has a teal background with a person wearing VR goggles. A "Start free trial now" button is prominently displayed. Below this, there are tabs for "Table of contents" and "Description". The table of contents lists four video lessons with their durations and expand/collapse icons. On the right side, there is a "Course info" section with details like level, rating, duration, and release date, followed by a "Course authors" section featuring Ryan Lewis's profile and bio. At the bottom right, there is another "Start free trial now" button and a "Share course" section with social media icons.

PLURALSIGHT

Q Library Paths Business Individuals Sign in Sign up

JavaScript Templating with Handlebars

By Ryan Lewis

Handlebars is the most widely used JavaScript templating library, supporting both client-side and server-side applications. In this course, Handlebars is covered from basic concepts all the way to production-ready tactics.

Start free trial now

Table of contents Description


Expand all

▶ Handlebars: An Introduction	21m 50s	▼
▶ Building Blocks of Handlebars	46m 25s	▼
▶ Harnessing the Power of Helpers	37m 12s	▼
▶ Beyond the Basics	33m 51s	▼

Course info

Level	Beginner
Rating	★★★★☆ (95)
Duration	2h 19m
Released	30 Sep 2015

Course authors

 **Ryan Lewis**

Ryan Lewis is a Software Engineer who specializes in ambitious single page web applications. He teaches Java and JavaScript to aspiring web developers and technology professionals. In his free time, Ryan enjoys spending time with his family, playing video games, and releasing underground Japanese music on his record label, MeatCube.

Start free trial now

Share course

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<https://www.pluralsight.com/courses/handlebars-javascript-templating>

Installing Node.js



JavaScript Platform for
developing applications

Installing the AWS CLI

Windows users may need to
restart for the CLI to work in
a Command Prompt

Creating and Initializing an AWS Account

An AWS Access Key is
required for the CLI & SDK

AWS Access Keys can be
created and deleted easily

Conclusion

Summary

The AWS development experience

Untangling the AWS web

AWS Toolbox

Move aside Facebook...

AWS Dev preparations completed

Up Next:

Sounding the Alarm with IAM and CloudWatch

IAM & CloudWatch

**Configuring and
Managing Users**

**Setting Alarms
and Logging**