

# Lab: Intro to Developer, Media, Mobile, Migration, Business, IoT

## Developers tools

### Cloud9

IDE in AWS, let you code and then develop services directly from the IDE

### CodeStar

Can manage entire CI/CD pipeline for your application. Have project amangement dashboard, JIRA.

### X-Ray

Make it easy to analyze and debug application, give you insight for your application performance.

### CodeCommit

Git repository but run in AWS cloud

### CodePipeline

CI/CD pipeline. Help you build, test, and deploy whenever you commit to your repository

### CodeBuild

Compiles your source code, runs test, and produce software package that is ready for deploymnet

### CodeDeploy

Automates software deployments to different AWS services, EC2, Lambda

## Media services

### Elemental Mediaconvert

File based video transcoding service, can help you convert video formats

### MediaPackage

Prepare video content for delivery over the internet, also have piracy protection.

## MediaTailor

Insert targeted ads into your video

## MediaLive

Broadcast live streams for both TV and internet

## MediaStore

Storage service for storing media

## Kinesis Video Streams

Stream connected device video into AWS cloud for machine learning and other processing applications

# Mobile services

## AWS Mobile Hub

Configure AWS application for mobile services

## AWS Device Farm

App testing service for Android, iOS, and web application. Test app against large collection of physical devices.

## AWS AppSync

GraphQL backend for mobile applications.

# Migration

## AWS Application discovery Service

Help plan migration over to AWS by collecting data from on-premise data center.

## AWS Database Migration Service

Help migrate database to another data type

## AWS Server Migration Service

Automate migration work-load

## AWS Snowball

Portal petabyte scale data storage device. Used for migrate on-premise database to AWS cloud

## Other

### WorkDocs

Basically googledocs, but can accept lots of different doc types

### WorkMail

Business email and calendar service

### Chime

Online meeting service, basically Zoom.

### WorkSpaces

Fully managed secure desktop as a service. Give you a virtual desktop that you can use

### AppStream 2.0

Allow you to stream desktop applications to html5 compatible web browser.

## Internet of things

### AWS IoT

Let embedded devices, microcontrollers and Raspberry pi to interact with AWS

### FreeRTOS

OS for microcontrollers, allow small low-cost low-power to connect to AWS

### Greengrass

Let you run local AWS lambda functions and messaging data, and machine learning applications

### Gamelift

Deploy scale and manage dedicated game servers

### Lumberyard

Game development environment

---

Revision #1

Created 14 January 2023 18:59:59 by Tamarine

Updated 6 February 2023 18:24:02 by Tamarine