

# Chapter 14

## Additional AWS Services

# Episode 14.01

## Media Content Delivery Services

# Elastic Transcoder

- Media transcoding
  - Jobs
    - Do the transcoding
  - Pipelines
    - Queues to manage jobs
  - Presets
    - Settings to convert media
  - Notifications
    - SNS used to notify of job status
- Transcoded files placed in original bucket

# Translate

- Can integrate into applications for localization
- On-demand language translation
- Encoder
  - Reads source text
- Decoder
  - Outputs translated text

## Translate Supported Languages

Arabic	Chinese (Simplified)	Chinese (Traditional)	Czech
English	French	German	Italian
Japanese	Portuguese	Russian	Spanish
Turkish			

# Elemental MediaStore

- Video origination and storage service
  - Containers
  - Folders
  - Endpoint
  - Object
  - Policy

# Video Considerations

- Live video streams
  - Elemental MediaStore
    - Origination endpoint
- Storage-based video
  - S3 buckets

# Transcribe

- Speech-to-text
  - Audio
  - Video
    - Generates closed caption files
- Based on machine learning
- Integrates with Translate



# Rekognition

- Image and video analysis
  - People
  - Speech
  - Objects
- Can be run against S3 buckets
  - Enhanced search based on analysis results

## Episode 14.02

# Desktop & App Streaming

# WorkSpaces

- Virtual desktops in AWS
  - Linux
  - Windows 7
    - Optional Office bundle
  - Windows 10
- Persistent storage
  - Virtual D: drive
- Based on Windows Server virtualizations

## AppStream 2.0

- Virtual applications in AWS
- Commonly used for custom-developed apps
- Also used for commercial apps

## Episode 14.03

### ElastiCache

# ElastiCache

- In-memory caching for databases
  - Memcached
    - Simplest model for implementation
  - Redis
    - HIPAA or PCI-DSS compliant

# DEMO

- ElastiCache management interface

## Episode 14.04

### Security Services Lab



# DEMO

- Key Management Services (KMS)
- Show IAM interface and explain concepts

# DEMO

- Show AWS Management Console Interface and explain concepts
  - Cloud HSM
  - Directory Services

# Demo

- Security AMIs

## Episode 14.05

### Analytics Engines

# DEMO

- Tour services in the AWS Management Console
  - CloudSearch
  - Elasticsearch Service
  - Data Pipeline
  - AWS Glue
  - QuickSight
  - Athena

## Episode 14.06

# Development Operations (DevOps)

## Demo

- Browse DevOps section and explain each component

# Episode 14.07 AWS Solutions

SAGEFOX



# No Slide

- There are no slides for this episode.

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# Episode 14.08

## AWS Transit Gateway

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- There are no slides for this episode.

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## Episode 14.09 AWS Backup

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- There are no slides for this episode.

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## Episode 14.10

# AWS Cost Explorer

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- There are no slides for this episode.

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