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 14.04
Analytics Engines

DEMO

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

Episode 14.05
Development Operations (DevOps)

Demo

- Browse DevOps section and explain each component