Chapter 14
Additional AWS 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

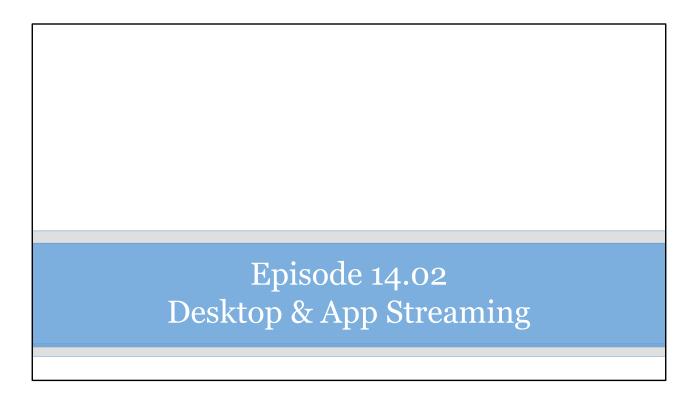
- Speech-to-text
 - Audio
 - Video
 - Generates closed caption files
- Based on machine learning
- Integrates with Translate



Rekognition

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







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







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







DEMO

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







Demo

Browse DevOps section and explain each component



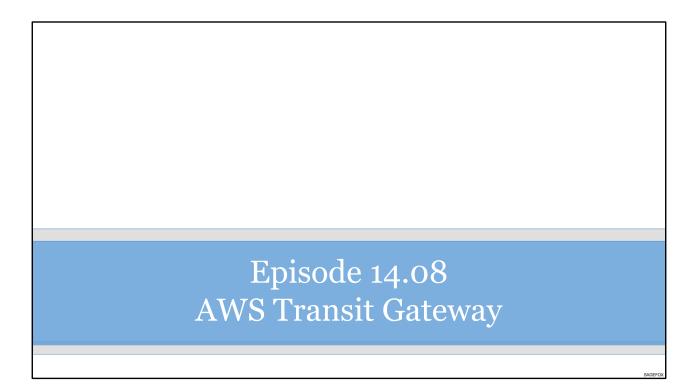




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