Alpha Presentation
AMPED
The Capstone Experience
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Project Overview

• AMPED provides podcast producers an additional source of revenue by producing Amazon Affiliate links for products related to their content
• Provides web application dashboard for podcast producers
• Provides an integrated audio player for podcast listeners, where products are displayed
System Architecture

Python Django API
Running on an EC2 Instance

Web Application
Request data
JSON response
Retrieve file contents
Store file

Amazon RDS
Store data
Retrieve data
Update job progress
Add job to respective queue

Lambda Microservices
Transcribe
Begin Transcribe
Comprehend
Begin Comprehend
Product Search
Begin Product Search

Amazon S3
AMPED Dashboard

Plant Money

The economy, explained, with stories and surprises. Imagine you could call up a friend and say, "Meet me at the bar and tell me what's going on with the economy." Now imagine that's actually a fun evening. That's what we're going for at Planet Money. People seem to like it.

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<th>Title</th>
<th>Length</th>
<th>Status</th>
<th>Updated Time</th>
<th>Actions</th>
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<tr>
<td>What America Sells To The World</td>
<td>2:45 mins</td>
<td>Completed</td>
<td>2018-02-20 01:15:25</td>
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Product Detail Page
Podcast Library

- What America Sells To The World
  *Fresh Air*
  *2018-02-20 00:26*

- Episode 821: The Other Davos
  *On Point*
  *2018-02-20 00:26*

- Janet Yellen’s Mystery Story
  *From Scratch*
  *2018-02-20 00:26*

- Weed GDP
  *Car Talk*
  *2018-02-20 00:26*

- The Black Car Fund
  *World Cafe Words and Music from WXPN*
  *2018-02-20 00:26*

- Episode 820: P Is For Phosphorus
  *Bullseye with Jesse Thorn*
  *2018-02-20 00:26*

- Amazon, IPOs And The Queen Of The Demonweb Pits
  *Piano Jazz Shorts*
  *2018-02-20 00:26*

- A Mafia Story With a Twist
  *On Point*
  *2018-02-20 00:26*

- Amazon, IPOs And The Queen Of The Demonweb Pits
  *Bullseye with Jesse Thorn*
Product Display
What’s Left to Do?

• Registration Page
• User Management
• Sentiment Analysis
• Modify Search
• Display Live Products
• Mobile App
Questions?