# INFOSOFT IT SOLUTIONS

## Training | Projects | Placements

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# AWS POLLY

## Introduction to AWS Polly

- Overview of AWS Polly service
- Text-to-speech (TTS) technology basics
- Use cases for AWS Polly in applications

## Getting Started with AWS Polly

- Setting up AWS Polly in the AWS Management Console
- AWS Polly API and SDKs overview
- Creating your first text-to-speech request

## Polly Voices and Languages

- Available voices and language support
- Customizing voice output with SSML (Speech Synthesis Markup Language)
- Choosing appropriate voices for different applications

### Advanced SSML Techniques

- Using SSML for advanced speech customization
- Prosody control (pitch, rate, volume)
- Adding pauses, emphasis, and pronunciation adjustments

### Managing Speech Synthesis Tasks

- Batch processing with Polly
- Asynchronous and synchronous speech generation
- Handling large volumes of text with Polly

### Integrating Polly with Applications

- Using Polly with AWS Lambda for serverless applications
- Integrating Polly with Amazon S3, Amazon DynamoDB, and other AWS services
- Implementing Polly in web and mobile applications

### Security and Compliance

- Secure handling of text data with Polly
- Compliance considerations (GDPR, HIPAA)
- IAM roles and policies for Polly access control

## Performance Optimization

- Managing Polly API calls and rate limits
- Caching and optimizing speech synthesis requests
- Monitoring and optimizing costs