

# User Manual for AWS Management Application

## Introduction

This manual provides instructions on how to use the AWS Management Application. This application allows users to securely store and manage AWS API keys, and view information about various AWS services like IAM, EC2, SQS, RDS, CloudWatch, Lambda, and AWS Cost Explorer.

## Getting Started

### Requirements

- A web browser.
- Valid AWS credentials.

### Installation and Setup

1. **Open the Application:** Navigate to the application URL in your web browser.
2. **Enter API Keys:**
  - Access the API keys form.
  - Enter your AWS **Access Key** and **Secret Key** in the respective fields.
  - Click **Save Keys** to securely store your keys.

## Features and Usage

### IAM User and Role Management

- View a list of IAM users and roles.
- **Navigation:** Click on the **IAM User Names** or **IAM Roles** tab.
- **Information Display:** Lists display the user names and roles.

### Managing AWS Services

- **EC2 Instances:** View a list of running EC2 instances including names and states.
- **SQS Queues:** List all SQS queues with their names.
- **RDS Instances:** View details of RDS instances including database name, engine, and status.
- **CloudWatch Events:** Display CloudWatch metrics and events.
- **Lambda Functions:** List all Lambda functions with their names.

### AWS Cost Explorer

- View monthly costs associated with different AWS services.
- **Chart Display:** Visual representation of costs in a pie chart.

- **Interaction:** Hover over chart segments to view specific cost details.

#### **CloudTrail Events**

- View recent CloudTrail events and their details.
- **Navigation:** Select the **CloudTrail Events** tab.
- **Event Details:** Includes event name, time, source, and other relevant information.

#### **Common Issues**

- **API Key Errors:** Ensure the correct AWS API keys are entered. Regenerate keys if necessary.
- **Connectivity Issues:** Check your internet connection if the application fails to retrieve data.