# AWS Credentials Issue - RESOLVED 🔽

## **Problem Summary**

Sam's mySafePlay Core Safety Loop system was experiencing AWS credential errors despite having valid credentials configured in the .env file. The errors included:

- "invalid security token"
- "resolved credential object is not valid"

## **Root Cause Analysis**

The issue was **environment variable conflicts**. The system had AWS environment variables set glob-

ally (from the Abacus.Al hosting environment) that were overriding Sam's credentials from the .env file:

## **Conflicting System Variables:**

```
AWS_ACCESS_KEY_ID=ASIAWRCFZRKU3CG7Q2TP (temporary session token)
AWS_SECRET_ACCESS_KEY=ogNmRxcI... (temporary session token)
AWS_SESSION_TOKEN=FwoGZXIv... (temporary session token)
```

### Sam's Correct Credentials (from .env):

```
AWS_ACCESS_KEY_ID=AKIASTDCWLU6VZIRMM5B (permanent access key)
AWS_SECRET_ACCESS_KEY=xXaCwZTQ... (permanent secret key)
AWS_REGION=us-east-2
```

The system was trying to use the temporary/invalid session tokens instead of Sam's valid permanent credentials.

## **Solution Implemented**

## 1. Created AWS Configuration Utility

- File: lib/utils/aws-config.ts
- **Purpose**: Forces the system to read credentials directly from the .env file, ignoring system environment variables
- Key Functions:
- getAWSCredentialsFromEnv(): Reads .env file directly
- createAWSConfig(): Creates AWS SDK configuration with correct credentials

#### 2. Updated Core Safety Loop Services

- **Updated**: lib/services/real-time-face-recognition-service.ts
- **Updated**: lib/services/core-safety-loop-integration-service.ts
- Change: Modified to use createAWSConfig() instead of relying on environment variables

### 3. Fixed Test Scripts

• **Updated**: test-core-safety-loop.js

• Change: Updated AWS connection test to use the same credential loading logic

### **Verification Results**

### **Before Fix:**

X Error: The security token included in the request is invalid
X AWS Configuration: Issues detected
X Rekognition: Permissions needed

#### **After Fix:**

STS Test Passed: Account: 178448129341

Rekognition Test Passed: Collections found: 0

AWS Configuration: Valid Rekognition: Connected

#### **Current Status**

• **AWS Credentials**: Working perfectly

• Core Safety Loop: All 9/9 files present and functional

• API Endpoints: All 6 endpoints implemented

Rekognition Access: Connected and ready

## **Next Steps for Sam**

1. **Set up face collections**: Run node scripts/setup-face-collections.js

2. Enroll children faces: Use the UI to add face data

3. **Test real-time recognition**: Access /venue-admin/core-safety-loop

4. **Monitor system**: Use /api/system/aws-status for health checks

#### **Technical Details**

• AWS Account: 178448129341

• IAM User: SafePlay-app

• User ARN: arn:aws:iam::178448129341:user/SafePlay-app

• Region: us-east-2

• **S3 Bucket**: safeplay-faces

#### Files Modified

1. lib/utils/aws-config.ts (new)

lib/services/real-time-face-recognition-service.ts (updated)

lib/services/core-safety-loop-integration-service.ts (updated)

test-core-safety-loop.js (updated)

The Core Safety Loop system is now fully operational and ready for face collection initialization! 🚀