

## SMBCTEX-002 – Solution Configuration Document

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**Project Code:** IX-RD-PS-Smartsoft-01 Implementación herramienta de procesamiento de documentos

**Version:** 1.0

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**AWS Region:** US East (N. Virginia)

### Introduction

This document describes the configuration of the solution deployed for Sentinel on AWS. It outlines the key AWS services, software components, integrations, and system parameters necessary to support the solution in both production and development environments.

### System Overview

The deployed solution includes components for compute, storage, networking, security, and monitoring, integrated to support Sentinel website.

### AWS Services and Configurations

#### Amazon EC2

- **Use Case:** Database
- **Patching:** Systems Manager

#### AWS Cognito

- **Use Case:** User authentication
- **Authentication:** User pool.

#### AWS S3

- **Use Case:** Static Website
- **Storage Type:** Standard

### Web & Networking Stack

- **Purpose:** Hosts Sentinel website
- **Integrated AWS Services:**
  - **AWS WAF:** Web Application Firewall to block malicious traffic

- **AWS CloudFront:** CDN for performance
- **Amazon Route 53:** DNS resolution for web assets

#### **Amazon VPC**

- **Configuration:** Custom VPC with public and private subnets
- **Security Groups:** Defined for each service role
- **Landing Zone:** Implemented to organize accounts, manage identity and governance

#### **Security Configuration**

##### **IAM and Access Controls**

- **Root Account:** MFA enabled
- **Users/Roles:** IAM policies enforce least privilege access
- **Temporary Credentials:** Configured for Partner access

##### **Encryption**

- **In Transit:** TLS enabled with Certificate Manager
- **At Rest:** Encrypted using AWS-managed KMS keys

#### **Monitoring and Logging**

##### **Amazon CloudWatch**

- **Dashboards:** Custom for EC2

##### **AWS CloudTrail**

- **Function:** Audit trail of console and API activities
- **Storage:** Logs stored securely in S3

#### **Backup and Disaster Recovery**

##### **AWS S3**

- **Services Covered:** EBS
- **Frequency:** Daily
- **Retention:** 1 week



## Deployment Configuration

### Environment Structure

- **Production:** Fully deployed
- **Testing/Dev:** Not yet deployed, recommended as future phase

### Code Deployment

- **Manual Process:** Current deployment through manual processes
- **DevOps Recommendation:** Adopt CI/CD pipeline (e.g., CodeDeploy + CodePipeline)

## Operational Procedures

### Runbooks

- Operational guides shared with client
- Includes:
  - Backup restore procedures
  - Patch update process
  - Infrastructure validation checklist

### Training

- Training sessions delivered via Microsoft Teams
- Architecture diagram shared