

TDIU Report Service: Current Project Status & Next Steps

Current Implementation Status

Completed Components

1. S3 Storage Layer

- Three secure buckets created with proper encryption:
 - tdiu-document-storage
 - tdiu-templates
 - tdiu-completed-reports
- All buckets configured with AES-256 encryption
- Public access blocked for all buckets
- Versioning enabled for all buckets

2. Lambda Functions (Initial Setup)

- TDIU-GenerateUploadUrl: Created for generating pre-signed URLs
- TDIU-CreateCase: Created for case management
- TDIU-DocumentProcessor: Initial setup for document analysis

3. IAM Configuration

- LambdaExecutionRole created with appropriate permissions
- S3 access permissions granted to Lambda functions
- Bedrock access granted for Claude AI integration

4. CloudTrail Setup

- Compliance audit logging implemented
- Multi-region trail configured
- Log file validation enabled

5. CloudFormation Documentation

- Initial template created documenting all existing resources
- Ready for use in future sessions for continuity

6. Brand Identity

- Aspen Grove Services brand established
- Multi-service concept reflected in branding

In Progress Components

1. Client Portal

- Initial planning completed
- Implementation not yet started
- Will use AWS Amplify and Cognito

2. Claude AI Integration

- Access to Claude 3.7 Sonnet via AWS Bedrock confirmed
- Initial Lambda function created
- Detailed implementation not yet completed

3. Document Analysis Workflow

- Basic structure planned
- Implementation pending Claude integration

Next Implementation Priorities

Immediate Next Steps (Next 1-2 Sessions)

1. Complete Client Portal Setup

- Implement AWS Amplify for frontend hosting
- Configure Amazon Cognito for user authentication
- Create document upload interface
- Integrate with existing Lambda functions

2. Finalize Claude AI Integration

- Complete the TDIU-DocumentProcessor Lambda function
- Implement document analysis with Claude
- Create specialized prompts for different document types
- Test with sample documents

Short-Term Priorities (Next 2-4 Weeks)

1. Complete End-to-End Workflow

- Connect document upload to processing
- Integrate AI analysis with report generation
- Implement quality assurance process

- Test complete system with sample cases

2. **Prepare for Launch**

- Finalize client onboarding process
- Create marketing materials
- Develop initial client list
- Establish operational procedures

Medium-Term Priorities (1-3 Months)

1. **Document Analysis Service Development**

- Extend AI capabilities for document organization
- Create searchable document library interface
- Implement document categorization
- Launch as second service

2. **System Enhancements**

- Implement advanced security features
- Create administrative dashboard
- Develop analytics for system performance
- Optimize resource usage

Technical Roadmap

AWS Service Implementation Plan

1. **AWS Amplify** (Next Priority)

- Create Amplify project
- Configure hosting
- Implement authentication with Cognito
- Build responsive attorney portal

2. **API Gateway** (Following Amplify)

- Create REST API endpoints
- Implement Lambda integrations
- Configure security and access controls
- Set up usage plans

3. **Enhanced Lambda Functions** (Parallel with API Gateway)

- Complete document processing workflow
- Implement error handling and retries
- Create notification system
- Add logging and monitoring

4. **Advanced Claude Integration** (After basic integration)

- Optimize prompts for different document types
- Implement structured JSON response handling
- Create document classification system
- Develop specialized analysis features

Business Development Timeline

Phase 1: Core Service Launch (Months 1-3)

- Complete core AWS implementation
- Launch TDIU report service
- Establish initial client base (5-10 attorneys)
- Begin collecting feedback and testimonials

Phase 2: Service Expansion (Months 3-6)

- Launch Document Analysis Service
- Develop referral program
- Expand marketing efforts
- Grow to 15-20 clients

Phase 3: Additional Services (Months 6-12)

- Launch VA Brief Templates service
- Begin Medical Terms Translation development
- Implement subscription models
- Create multi-service packages

Current Infrastructure (CloudFormation Summary)

The current AWS infrastructure includes:

- 3 S3 buckets for document storage and processing

- 3 Lambda functions for core functionality
- CloudTrail for compliance logging
- IAM roles with appropriate permissions
- Initial CloudFormation template documentation

The system is ready for the next phase of development, focusing on the client portal and Claude AI integration.

Session Management Strategy

For future development sessions:

1. Use the CloudFormation template for continuity
2. Follow the session management prompt template
3. Focus on one specific goal per session
4. Document progress and update CloudFormation after each session

This methodical approach will ensure consistent progress and maintain a comprehensive documentation of the system as it grows.