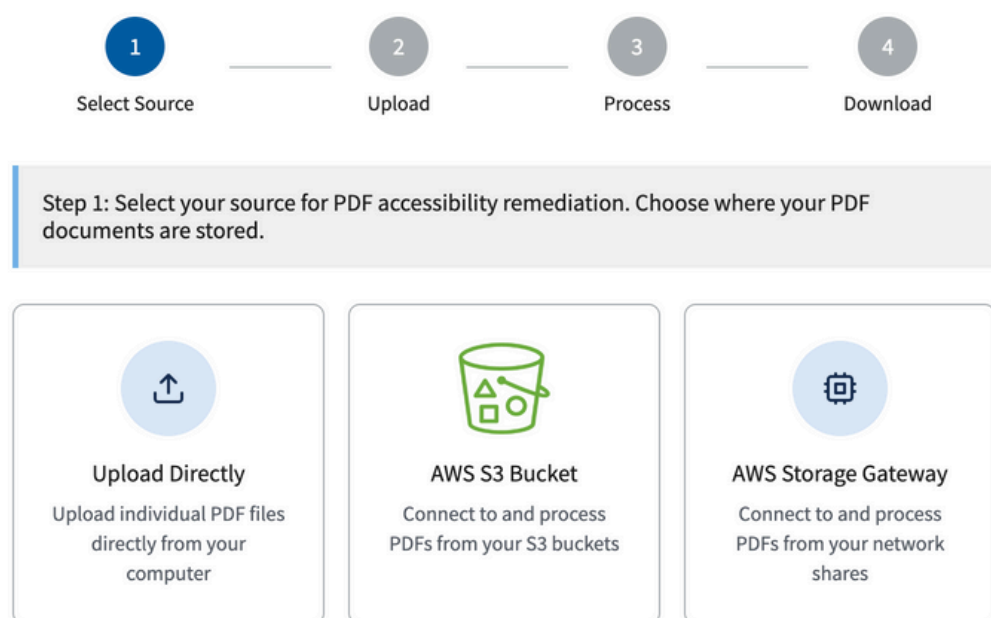


# Automated PDF Accessibility Remediation with AI

## About CC Tech's offering

Organizations managing large volumes of legacy PDFs face slow, costly, and error-prone manual remediation for accessibility compliance. CC Tech Digital's PDF remediation platform helps organizations meet Section 508 and WCAG compliance standards by automatically tagging and remediating PDFs using AI. Powered by **Amazon Bedrock** and deployed entirely within your AWS account, the solution runs securely on your infrastructure, ensuring full data control while delivering accessible, properly tagged documents at scale. This approach enables organizations to improve compliance outcomes, reduce manual effort, and increase operational efficiency.

### PDF Accessibility Remediation



#### Before Summary

Description	Needs Manual Check	Passed	Failed
The checker found problems in this document.	2	11	19

#### After Summary

Description	Needs Manual Check	Passed	Failed
The checker found no problems in this document.	2	30	0

#### Detailed Report

Document				+
Page Content				+
Alternate Text				-
Rule	Description	Status (Before)	Status (After)	
Figures alternate text	Figures require alternate text	FAILED	PASSED	
Nested alternate text	Alternate text that will never be read	FAILED	PASSED	
Associated with content	Alternate text must be associated with some content	FAILED	PASSED	
Hides annotation	Alternate text should not hide annotation	FAILED	PASSED	
Other elements alternate text	Other elements that require alternate text	FAILED	PASSED	

## Benefits

- Increased efficiency**  
 Manual remediation is slow and resource-heavy. Automate remediation to dramatically reduce processing time and labor costs.
- Enhance inclusivity with intelligent tagging**  
 Properly tagged documents improve usability. Ensure all documents are accessible, eliminating the need for manual file selection.
- Run securely on your AWS infrastructure**  
 One-click deployment ensures your documents never leave your secure environment.
- Cost-effective regulatory compliance**  
 Automate tagging and reporting to meet compliance standards at a fraction of traditional costs.

## The problem

- Traditional manual remediation is slow, costly—often exceeding \$3–\$4 per page—and error-prone, limiting scalability. Meanwhile, updated regulatory requirements such as new ADA guidelines increase pressure to rapidly implement scalable solutions to ensure compliance and avoid legal risks.



## Get Started









Contact us today to schedule a demo [aws@cctechconsulting.com](mailto:aws@cctechconsulting.com)

## The Technology Powering Our Solution

Our automated remediation uses AI to apply semantic tags and clean metadata without manual effort. An intuitive dashboard manages the entire workflow from PDF upload through automated processing to downloading fully remediated documents.

### My Documents

 Search

Name	Source	Upload Date	Status ▲	Size	Actions
company-policy.pdf	↑ UPLOAD	Mar 25, 2024	✓ COMPLETED	927.7 KB	<button>Download</button> <button>View Report</button> 
client-contract.pdf	☁ S3 (AWS)	Mar 20, 2024	✓ COMPLETED	1.2 MB	<button>Download</button> <button>View Report</button> 
sales-presentation.pdf	↑ UPLOAD	Mar 23, 2024	✓ COMPLETED	3.3 MB	<button>Download</button> <button>View Report</button> 
quarterly-report.pdf	☁ S3 (AWS)	Mar 15, 2024	✓ COMPLETED	2.4 MB	<button>Download</button> <button>View Report</button> 
employee-handbook.pdf	↕ NETWORK	Mar 18, 2024	✓ COMPLETED	4.1 MB	<button>Download</button> <button>View Report</button> 
project-proposal.pdf	↑ UPLOAD	Mar 19, 2024	✗ FAILED	1.8 MB	
user-manual.pdf	↕ NETWORK	Mar 22, 2024	🔄 PROCESSING	5.5 MB	
financial-records.pdf	☁ S3 (AWS)	Mar 21, 2024	🔄 PROCESSING	3.8 MB	

Showing 8 of 8 documents

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### The key technology and innovations include:

- **Scalability & Reliability:** Optimized for high availability, speed, and seamless scaling on AWS.
- **Platform & Infrastructure:** Built on a secure, serverless AWS architecture.
- **Security & Authentication:** SAML protection with AWS Cognito and OAuth 2.0 ensures safe access.
- **Modern Application Framework:** Developed using React, Python, and AWS CDK for a flexible, future-proof solution.
- **AI & Automation:** Integrated GenAI with AWS Bedrock and Adobe API delivers advanced accessibility tagging and remediation.



## Value Delivered

- **Speed:** Reduces remediation from days to minutes per document.
- **Cost:** About \$0.05 per 10 pages, plus Adobe API fees.
- **Security:** Documents stay fully within the customer's AWS account.
- **Scalability:** Supports high volumes without infrastructure management.
- **Audit Reporting:** Provides detailed reports with tags added, manual review areas, compliance tracking, real-time status, and before/after comparisons.
- **Enterprise scale:** Handles large document libraries and integrates with existing systems via APIs and automated workflows.

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