

# Phase 3 Part 2: API Routes & Integration - Quick Summary

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**Status:**  COMPLETE

**Date:** December 20, 2025

**Commit:** 5025460

## What Was Implemented

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### 8 New API Routes

1.  POST /api/documents/[id]/classify - AI-powered classification
2.  POST /api/documents/[id]/validate - Content validation
3.  POST /api/documents/[id]/process - Complete processing (classify + validate)
4.  POST /api/documents/[id]/review - Mark as reviewed
5.  POST /api/documents/[id]/reclassify - Manual override
6.  GET /api/documents/needs-review - Get documents needing review
7.  GET /api/documents/stats - Processing statistics
8.  GET /api/documents/search - Advanced search & filter

### Auto-Processing Integration

 Documents automatically classified and validated after upload

### Document Linking System

-  Complete linking system for Residents and Inquiries
-  Search and filter by document type
-  Bulk operations support
-  Statistics tracking

### Key Features

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-  **AI-Powered:** GPT-4o classification with confidence scoring
-  **Statistics:** Track auto-classification rates and validation success
-  **Advanced Search:** Filter by type, status, entity, confidence level
-  **Audit Logging:** Complete audit trail for all operations
-  **Validation:** Type-specific content validation
-  **Secure:** Authentication, authorization, and input validation

### Files Changed

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#### New Files (9):

- 8 API route files
- 1 linking helper file

#### Modified Files (1):

- extraction.ts (auto-processing trigger)

**Total:** 1,874 insertions (+)

## Build & Test Status

- ✓ Production build: PASSING
- ✓ TypeScript compilation: PASSING
- ✓ Linting: PASSING (warnings only)
- ✓ Git commit: SUCCESS

## Next Steps

### 1. Push to GitHub

bash

```
git push origin main
```

### 2. Deploy to Render

- Automatic deployment will trigger
- Monitor build logs for any issues

### 3. Test in Production

- Upload a test document
- Verify auto-classification works
- Check document search functionality

### 4. Frontend Integration (Future)

- Update UI to show classification status
- Add document type filters
- Create review dashboard

## API Quick Reference

```
# Process a document (auto-classifies + validates)
POST /api/documents/{id}/process

# Search documents by type
GET /api/documents/search?type=INSURANCE

# Get documents needing review
GET /api/documents/needs-review

# Get processing stats
GET /api/documents/stats

# Manual reclassification
POST /api/documents/{id}/reclassify
Body: { "type": "MEDICAL_RECORD" }
```

## Document Types Supported

- MEDICAL\_RECORD
- INSURANCE
- IDENTIFICATION

- FINANCIAL
  - LEGAL
  - ASSESSMENT\_FORM
  - EMERGENCY\_CONTACT
  - GENERAL
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**For detailed documentation, see:** PHASE\_3\_PART\_2\_IMPLEMENTATION.md