<https://claude.ai/public/artifacts/01344623-f847-46f4-80e4-40a49c7fd94b>

**The Unified Evidence-to-Brief Automation Pipeline**

**1. Overview & Philosophy**

This document outlines a comprehensive, platform-agnostic workflow for converting multi-source digital communications (Gmail, OurFamilyWizard, attachments) into court-ready legal documents with complete source traceability. The system treats all communication platforms as a **unified data source** while delivering **hyperlinked, self-contained evidence packages**.

**Core Components:**

* **Comet Automation**: Automated Gmail search, PDF extraction, and Google Drive storage
* **Custom GPT with Dual-Path Processing**: Analyzes uploaded content while generating citations to Google Drive exhibits
* **Modular Scripts**: OFW processing and cross-platform relationship mapping
* **Google Apps Script**: Automated folder structure creation and file management
* **Dual-Existence Evidence Strategy**: Content uploaded for analysis, citations point to shareable Google Drive copies
* **Hyperlinked Deliverables**: Interactive legal documents with direct links to permanent, shareable exhibits

**Delivery Principle:** Each case becomes a complete, self-contained Google Drive folder where every citation in legal documents links directly to permanent source exhibits that can be shared with courts, opposing counsel, and clients.

**2. Self-Contained Case Structure & Naming**

**Auto-Generated Structure via Google Apps Script:**

/Evidence Cases/Case\_YYYY\_MM\_DD\_NNN\_ClientName\_Matter/

├── 00\_Seeds/

│ ├── Case\_Seeds.xlsx (created fresh each time)

│ └── Case\_Creation\_Log.txt

├── 01\_Discovery/

│ ├── Raw\_Gmail/

│ ├── Raw\_OFW/

│ ├── Attachments/

│ └── Unified\_Discovery\_Report.csv

├── 02\_Exhibits/

│ ├── PDFs/

│ │ ├── Gmail\_Exhibits/

│ │ ├── OFW\_Exhibits/

│ │ └── Attachment\_Exhibits/

│ ├── UNIFIED\_EXHIBIT\_MANIFEST.csv

│ └── Cross\_Platform\_Relationships.csv

├── 03\_Analysis/

│ ├── Unified\_Timeline.csv

│ ├── Communication\_Patterns.csv

│ ├── Cross\_Platform\_Analysis.csv

│ ├── Contradictions\_Matrix.csv

│ ├── Negative\_Evidence\_Log.csv

│ └── Expert\_Witness\_Package/

├── 04\_Strategic/

│ ├── Evidential\_Sufficiency.csv

│ └── Strategic\_Assessment.docx

├── 05\_Synthesis/

│ ├── Consolidated\_Summary\_of\_Facts.docx (hyperlinked)

│ └── Final\_Delivery\_Package/

│ ├── Legal\_Memorandum.docx (hyperlinked)

│ ├── All\_Source\_Exhibits/ (organized copies)

│ ├── All\_Analysis\_Files/

│ └── Expert\_Witness\_Package/

└── 99\_Scripts/

├── gmail\_processor.py

├── ofw\_processor.py

├── cross\_platform\_analyzer.py

├── manifest\_generator.py

├── hyperlink\_builder.py

└── final\_package\_assembler.py

**Case Initiation:** Google Apps Script creates entire structure when new Case\_Seeds.xlsx is generated with case information filled in.

**3. Enhanced Unified Seed File Structure**

**Auto-Generated Google Sheets: Case\_Seeds.xlsx**

| **Column** | **Purpose** | **Example** |
| --- | --- | --- |
| Case\_ID | Auto-generated unique ID | Case\_2025\_09\_01\_001 |
| Client\_Name | Client identifier | "Smith Family" |
| Matter\_Description | Case type | "Custody Dispute - Communication Violations" |
| Seed\_ID | Investigation identifier | "SEED\_001" |
| Narrative\_Point | What to investigate | "PC violated communication protocol June-Aug 2024" |
| Date\_Range\_Start | Investigation start | 2024-06-01 |
| Date\_Range\_End | Investigation end | 2024-08-31 |
| Primary\_Characters | Key participants | "Parent A, Parent B, PC Smith" |
| Secondary\_Characters | Other relevant people | "Therapist Jones, School Counselor" |
| Gmail\_Search\_Priority | Gmail search focus | "High, Medium, Low" |
| OFW\_Search\_Priority | OFW search focus | "High, Medium, Low" |
| Keywords\_Include | Search terms | "appointment, schedule, contact" |
| Keywords\_Exclude | Terms to ignore | "newsletter, calendar reminder" |
| Cross\_Platform\_Links | Expected connections | "Gmail responses to OFW messages" |
| Legal\_Standards | Applicable rules | "42 CFR Part 2, Parenting Plan Section 5" |
| Evidence\_Priority | Importance level | "High, Medium, Low" |
| Expected\_Outcome | Hypothesis | "Prove violation, Disprove claim, Investigate pattern" |
| Confidence\_Threshold | Required certainty | "High, Medium, Reasonable" |
| Notes | Additional context | "Focus on after-hours communications" |

**4. Phase Execution References**

**Master Prompt Integration with Dual-Path Processing**

Each phase references **Master Prompt IV: The Evidence-to-Brief Workflow** for detailed execution. The Custom GPT processes uploaded content (Gmail PDFs + OFW data) for analysis while generating citations that point to the permanent Google Drive copies for legal sharing and court presentation.

**Phase -1: Automated Gmail Discovery + Manual OFW Upload**

* **Full Framework:** Master Prompt IV, Section "Phase -1: Discovery"
* **Comet Role:** Execute Gmail searches automatically, create PDFs, store in Google Drive structure
* **Key GPT Input:** "I have uploaded Gmail PDFs and OFW content for analysis. The same Gmail PDFs are stored in Google Drive at [folder path]. Please execute unified discovery analysis treating all platforms as single communication stream."
* **Expected Outputs:** Unified\_Discovery\_Plan.docx, cross\_platform\_analysis\_plan.txt
* **Dual-Path Result:** Custom GPT has content to analyze + Google Drive has shareable exhibits for citation

**Phase 1: Dual-Path Classification**

* **Full Framework:** Master Prompt IV, Section "Phase 1: Classifier"
* **Comet Role:** Gmail PDFs already created and stored in Google Drive folder structure
* **Key GPT Input:** "Please process uploaded Gmail PDFs and OFW content for classification. Generate UNIFIED\_EXHIBIT\_MANIFEST.csv with citations pointing to Google Drive locations at [folder path]."
* **Expected Outputs:** UNIFIED\_EXHIBIT\_MANIFEST.csv with Google Drive hyperlinks, Cross\_Platform\_Relationships.csv
* **Dual-Path Result:** GPT analyzes uploaded content but manifest cites permanent Google Drive locations

**Phase 2: Content Analysis with Drive Citations**

* **Full Framework:** Master Prompt IV, Section "Phase 2: Advanced Analysis"
* **Key GPT Input:** "Please analyze uploaded Gmail and OFW content for patterns and contradictions. Generate all citations pointing to corresponding Google Drive exhibits at [folder path]."
* **Expected Outputs:** Analysis files with Google Drive hyperlinks, not references to uploaded content
* **Dual-Path Result:** Deep analysis of uploaded content, citations point to shareable Google Drive exhibits

**Phase 3: Strategic Framing with Shareable Links**

* **Full Framework:** Master Prompt IV, Section "Phase 3: Strategic Framing"
* **Key GPT Input:** "Please provide strategic framing using uploaded content analysis, with all citations pointing to Google Drive exhibits at [folder path]."
* **Expected Outputs:** Strategic documents with Google Drive hyperlinks for external sharing
* **Dual-Path Result:** Analysis based on uploaded content, citations reference accessible Google Drive copies

**Phase 4: Synthesis with Permanent Hyperlinks**

* **Full Framework:** Master Prompt IV, Section "Phase 4: Synthesis, Parts A & B"
* **Key GPT Input:** "Please create final legal documents using uploaded content analysis. All citations must hyperlink to corresponding Google Drive exhibits for court/client sharing."
* **Expected Outputs:** Hyperlinked legal documents citing permanent, shareable Google Drive exhibits
* **Dual-Path Result:** Documents based on comprehensive uploaded content analysis, citations enable court presentation

**5. Dual-Path Processing Workflow**

**The Dual-Existence Strategy**

**Content Path**: Gmail PDFs + OFW data uploaded to Custom GPT for comprehensive analysis **Citation Path**: All legal document citations point to permanent Google Drive copies for sharing

This creates the optimal solution: **GPT analyzes uploaded content** while **final documents cite shareable, permanent exhibits**.

**Phase -1: Automated Discovery with Dual-Path Setup**

**Comet Gmail Automation:**

1. Execute Gmail searches based on seed parameters
2. Capture full conversation threads
3. Create PDFs with proper headers and metadata
4. Store in Google Drive folder structure: /02\_Exhibits/PDFs/Gmail\_Exhibits/
5. Generate preliminary manifest with Google Drive links

**Human OFW Preparation:**

1. Export OFW communications to standard format
2. Upload OFW content + Gmail PDFs to Custom GPT for analysis
3. Ensure Custom GPT has complete content for pattern analysis

**Dual-Path Result**:

* Google Drive has shareable Gmail exhibits with proper naming
* Custom GPT has same content plus OFW data for unified analysis

**Phase 1: Content Analysis with Citation Mapping**

**Custom GPT Processing:**

* Analyzes uploaded Gmail PDFs and OFW content as single evidence stream
* Identifies cross-platform relationships and communication patterns
* Generates UNIFIED\_EXHIBIT\_MANIFEST.csv with Google Drive hyperlinks
* Creates Cross\_Platform\_Relationships.csv mapping connections

**Critical Innovation**: GPT analyzes uploaded content but generates citations pointing to Google Drive copies, not the uploaded versions.

**Example Citation Generated by GPT:** [Exhibit 001 | Subject: Schedule Change Request | 2024-06-15 14:23 PDT | <abc123@gmail.com>] Links to: https://drive.google.com/file/d/[Google\_Drive\_ID]/EXHIBIT\_001\_2024-06-15\_Gmail\_Schedule.pdf

**Phase 2-3: Deep Analysis with Permanent Citations**

**Communication Pattern Analysis:**

* Custom GPT processes all uploaded content for statistical analysis
* Maps cross-platform relationships (Gmail responses to OFW messages)
* Identifies communication gaps and timing patterns
* Generates analysis files with Google Drive citations for sharing

**Strategic Framing:**

* All contradictions, negative evidence, and sufficiency reports cite Google Drive exhibits
* Documents can be shared with opposing counsel or presented in court
* Every citation leads to accessible, permanent evidence

**Phase 4: Hyperlinked Legal Document Generation**

**The Final Innovation:** Custom GPT creates legal documents by:

1. Drawing analysis from uploaded content (comprehensive understanding)
2. Generating all citations pointing to Google Drive exhibits (shareable references)
3. Creating hyperlinked documents where every claim links to permanent, accessible evidence

**Final Package Structure:**

Final\_Delivery\_Package/

├── Legal\_Memorandum.docx (hyperlinked to Google Drive exhibits)

├── Consolidated\_Summary\_of\_Facts.docx (hyperlinked to Google Drive exhibits)

├── All\_Source\_Exhibits/ (organized copies with maintained links)

│ ├── Gmail\_Exhibits/

│ ├── OFW\_Exhibits/

│ └── Cross\_Platform\_Timeline/

└── Analysis\_Files/ (all pointing to shareable exhibits)

**6. Modular Script Architecture**

**gmail\_processor.py**

* Gmail API integration
* Email to PDF conversion
* Metadata extraction and normalization
* Draft manifest generation for Gmail content

**ofw\_processor.py**

* OFW content standardization
* Metadata extraction to match Gmail format
* Participant and timestamp normalization
* Cross-platform identification markers

**cross\_platform\_analyzer.py**

* Unified timeline construction
* Cross-platform relationship mapping
* Communication pattern analysis across platforms
* Statistical correlation analysis

**manifest\_generator.py**

* UNIFIED\_EXHIBIT\_MANIFEST.csv creation
* Cross-platform exhibit numbering
* Metadata standardization and validation
* SHA-256 hash generation for all exhibits

**hyperlink\_builder.py**

* Google Drive link generation for all exhibits
* Citation-to-source link mapping
* Hyperlink validation and testing
* Link maintenance for folder moves/copies

**final\_package\_assembler.py**

* Complete deliverable package creation
* File organization and copying
* Hyperlink finalization
* Quality control validation

**7. Implementation & Evolution Path**

**Phase 1: Manual + Custom GPT + Modular Scripts**

* Google Apps Script creates fresh case structure
* Custom GPT orchestrates analysis with uploaded OFW content
* Modular Python scripts handle platform processing
* Manual hyperlink validation and package assembly

**Phase 2: Enhanced Automation**

* Automated cross-platform relationship detection
* Batch processing for multiple cases
* Advanced statistical analysis integration
* Automated hyperlink generation and validation

**Phase 3: Full Pipeline Integration**

* Watch folder triggers for new cases
* Automated quality control and validation
* Advanced visualization and reporting
* Complete end-to-end automation with human review gates

**8. Legal Deliverable Specifications**

**Primary Deliverables (Hyperlinked):**

1. **Legal Memorandum.docx** - Persuasive brief with every citation linking to source exhibit
2. **Consolidated Summary of Facts.docx** - Comprehensive factual record with complete source links

**Supporting Materials (Organized and Linked):**

* Complete exhibit set organized by number, platform, and date
* Cross-platform relationship maps
* Statistical analysis reports
* Expert witness preparation materials
* All source files with maintained provenance

**Quality Assurance:**

* Every citation verifiable through hyperlinks
* Complete audit trail maintained
* Cross-platform relationships documented
* Source integrity preserved throughout process
* Human review at all critical decision points

**Final Package Characteristics:**

* Self-contained Google Drive folder
* All hyperlinks functional within folder structure
* Portable and shareable as complete unit
* Interactive navigation between documents and sources
* Complete legal defensibility with expert witness readiness

This unified approach transforms multi-platform communications into a single, analyzable evidence stream while delivering interactive, hyperlinked legal documents with complete source traceability.