



# CAIRN: Collaborative AI Artifact Record & Notation

A transparent, interoperable metadata framework for tracking AI-generated content from prompt to publication.

## Why CAIRN?

As AI systems become integrated into every domain—from law to science to journalism—CAIRN ensures we can **trace, verify, and trust** what was generated, by whom, with which tools, and why.

CAIRN makes AI output:

-  Accountable
-  Auditable
-  Interoperable across platforms and jurisdictions

It's like **version control + authorship tracking + metadata transparency** for the AI age.



# What Is CAIRN?

CAIRN is a JSON-LD–based metadata model that captures:

- Original prompts and AI system responses
- Human and AI authors, editors, reviewers, and approvers
- Language, encoding, and content maturity (alpha, beta, final)
- Provenance of external sources and citations
- Many-to-many dialog graphs across systems



## Repo Structure

README.md	→ You're here
/spec/	→ JSON–LD schema and context
/examples/	→ Sample artifacts with provenance
/docs/	→ Visuals, PDFs, and onboarding material
/docs/assets/	→ Logos, diagrams, and static images
/tools/	→ Viewer and validator tools



## Getting Started





```
git clone https://github.com/JackRabbitConsulting/cairn-standard.git
cd cairn-standard
less examples/cairn-basic.jsonld
```

CAIRN Collaboration Diagram

**Figure.** Human and AI contributors across the CAIRN lifecycle.



## Tooling Support

-  [CAIRN Viewer](#) — Readable syntax-highlighted display for `.jsonld` files
-  [CAIRN Validator](#) — Validate artifacts against the official JSON Schema
-  [CAIRN Schema](#) — JSON Schema for ContentArtifact structure
-  [Quick Start Guide \(PDF\)](#)

## How to Contribute

- Join the [OMG Pedigree & Provenance WG](#)
- Submit issues or ideas via GitHub [Issues](#)
- Share examples or use cases from your industry
- Help us pilot CAIRN with your AI platform

## Contact

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Together, let's build a future where AI is not just powerful—but accountable. 