

# CAIRN: Collaborative AI Artifact Record & Notation

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

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## 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.

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## 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

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## 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

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## Getting Started

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

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**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 \(PDF\)](#)
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## 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
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## Contact

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