



Creative Evolution Dossier

Luma — Personal Knowledge Workspace

Project status: Active

Issue date: 2026-09-03 22:14:25 UTC

Dossier identifier: 8afc9f7a-2b7c-42b9-b42d-4bfbf39255a8

Provenia does not prove absolute authorship. Provenia documents creative evolution.



PROVENIA · OFFICIAL CERTIFICATE

Executive Certificate of Creative Evolution

Project Identification

Project name

Luma — Personal Knowledge Workspace

Identifier (UUID)

cf3e82c5-ff47-46d1-bef2-1cdd61d3f061

Account Holder and Project Declarant

Name

Contact Provenia

Identity level

Declared

Evidence Summary

Total Records

4

First Record date

2026-08-30 14:50:43 UTC

Last Record date

2026-09-03 14:01:31 UTC

Cryptographic Protection and Authenticity

PDF protection

PAdES digital signature using an ICP-Brasil e-CNPJ certificate

Change policy (DocMDP)

No changes allowed after signing (NO_CHANGES)

JSON manifest

Dossier.json digitally signed with Ed25519

Active Ed25519 key

provenia-prod-2026-01

Methodology version

1.0

Issuer

Brand name

Provenia

Company name

FELIPE PASSOS DE MORAES ALVES LTDA

CNPJ

68.312.415/0001-34

Official website

<https://www.provenia.app>

Support channel

contact@provenia.app



Verify this Dossier's authenticity and integrity

<https://www.provenia.app/trust-and-verifiability>

Basis, Limitations and Responsibilities

What this Dossier documents

The integrity of documented Records; available time evidence; declarations in the project; and the project's documented evolution.

What this Dossier does NOT certify

In absolute terms: authorship; legal ownership; originality; or patentability.

Evidentiary scope

Evidentiary value depends on applicable law and the complete body of evidence. This Dossier does not replace mandatory government registrations where required by law.

User Declarations and Original Files

Factual declarations supplied by the user are their responsibility; Provenia does not independently certify them. Original file content is not transmitted to Provenia during registration: the SHA - 256 hash is calculated on the user's device before registration.

Basis and references

Provenia's evidentiary architecture uses integrity, digital-signature and time-evidence mechanisms applicable to electronic documentation. Technical references, interpretation criteria and verification guidance are available on Provenia's Trust and Verifiability page.

<https://www.provenia.app/trust-and-verifiability>

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Methodology

Provenia documents the evolution of a project through a chronological sequence of documentary records. For each record, the SHA-256 cryptographic hash of the file is calculated on the submitter's device before the record is created; the original file content is never transmitted to Provenia. Provenia receives and registers the declared file name, the declared file size and the resulting hash as the documentary metadata required for registration.

Provenia preserves the documentary record, the calculated hash, technical metadata, user-provided declarations, documentary relationships between records and the associated audit history. The platform does not store the original creative files, does not analyze their content and does not certify absolute authorship, ownership or originality.

Custody of the original files remains the responsibility of the account holder or the person responsible for the project. To support future verification, those files should be preserved without modification from the versions used to create each record.

When necessary, the person responsible for the project may provide the original file corresponding to the record being verified. A verifier can calculate the SHA-256 hash of that file and compare it with the value shown in the record's Hash field.

Matching hashes demonstrate that the supplied file has exactly the same byte-for-byte digital content as the file whose hash was registered by Provenia for that record. A hash match alone does not prove absolute authorship, ownership, originality or possession.

The Dossier represents a snapshot of the project's documentary state at the time it is generated. Later changes to the project require a new Dossier to be generated.

Glossary

Project	A documented creative initiative containing one or more records.
Record	A permanent documentary entry representing a file submitted, hashed and registered in a project timeline.
Dossier	The exported set of human-readable and machine-readable artifacts representing the documented evolution of a project.
Based on	An immutable optional link indicating that a record was declared as based on one previous record in the same project. This is a declared documentary relationship, not a cryptographic chain between the files.
Registered by Mistake	A record status indicating that the user later marked the record as created by mistake, without deleting it from the timeline.

☒ **Active** ☐ **Registered by Mistake**

A record marked as created by mistake remains in the timeline and audit history.

Project → Chronological Records → Audit → Dossier

Documentary Timeline

For valid SHA-256 hashes, spaces shown in the PDF are only visual grouping. Removing them produces the exact canonical hash without spaces.

● Record #1				
Date and time	2026-08-30 14:50:43 UTC			
Externally certified date and time	FreeTSA · RFC 3161 · 2026-08-30 14:50:43 UTC			
Title	Luma — Initial Concept			
Description	Initial written concept for the fictional Luma project, outlining the product idea, the problem it aims to address, the proposed approach, early features under consideration, and the principles intended to guide its evolution.			
Notice	Description supplied by the account user and not independently validated by Provenia.			
File name	01-luma-initial-concept.txt			
Extension	txt			
File size	2.4 KB (2,458 bytes)			
Hash	55a4a52e cbea89fd	f7df2f8a 2bfd4e32	343a902f 9406d743	d784fda0 36499480
Algorithm	SHA-256			
Status	Active			
Reason	Not applicable			
Based on	Not applicable			

● Record #2				
Date and time	2026-08-31 11:22:34 UTC			
Externally certified date and time	FreeTSA · RFC 3161 · 2026-08-31 11:22:34 UTC			
Title	Luma — Requirements and Decisions			
Description	Structured requirements for the fictional Luma project, translating the initial concept into prioritized features and documenting which ideas were kept, postponed, or discarded before the first interface proposal.			
Notice	Description supplied by the account user and not independently validated by Provenia.			
File name	02-luma-requirements-v1.xlsx			
Extension	xlsx			
File size	5.9 KB (6,044 bytes)			
Hash	909f5ee8 15b22852	6561ee33 2fe183c7	da7f9b8f cbe66671	63c3ffba 9b4ef826
Algorithm	SHA-256			
Status	Active			
Reason	Not applicable			
Based on	Record #1			

● Record #3				
Date and time	2026-09-01 10:56:57 UTC			
Externally certified date and time	FreeTSA · RFC 3161 · 2026-09-01 10:56:57 UTC			
Title	Luma — Main Interface Wireframe			
Description	First visual representation of the Luma concept, translating the previously defined requirements and product decisions into an initial interface wireframe focused on quick note creation, search, organization, and related information.			
Notice	Description supplied by the account user and not independently validated by Provenia.			
File name	03-luma-main-interface-wireframe.png			
Extension	png			
File size	1.3 MB (1,373,744 bytes)			
Hash	97a34776 f71b0cfd	4759be7a bae4a481	6700b658 6f5d4624	50c36f2c 91a40da4
Algorithm	SHA-256			
Status	Active			
Reason	Not applicable			
Based on	Record #2			

● Record #4				
Date and time	2026-09-03 14:01:31 UTC			
Externally certified date and time	FreeTSA · RFC 3161 · 2026-09-03 14:01:31 UTC			
Title	Luma — Consolidated Product Concept			
Description	Consolidated version of the fictional Luma concept, combining the initial idea, structured requirements, product decisions, and interface wireframe into a single final-stage product document.			
Notice	Description supplied by the account user and not independently validated by Provenia.			
File name	04-luma-consolidated-concept.pdf			
Extension	pdf			
File size	1.5 MB (1,561,171 bytes)			
Hash	99cdb09d 85a6a72e	976e3fb6 311936c4	1478b2ee a1770478	4a674e43 7fc1c0ff
Algorithm	SHA-256			
Status	Active			
Reason	Not applicable			
Based on	Record #3			

Audit

Project Audit

Date	Field	Previous value	New value
No auditable changes recorded.			

Record Audit

Record	Date and time	Field	Previous value	New value
No auditable changes recorded.				

Document Integrity

Dossier identifier	8afc9f7a-2b7c-42b9-b42d-4bfbf39255a8
Issue date	2026-09-03 22:14:25 UTC
Hash algorithm	SHA-256
Signature algorithm	Ed25519
Public-key fingerprint	0b66685ad827eec46a3d227835c9af542409fa80a63dc88ed07ece4f99591604
Public-key URL	https://www.provenia.app/public-keys/provenia-prod-2026-01

Source-file hashes

Record #1	55a4a52e cbea89fd	f7df2f8a 2bfd4e32	343a902f 9406d743	d784fda0 36499480
Record #2	909f5ee8 15b22852	6561ee33 2fe183c7	da7f9b8f cbe66671	63c3ffba 9b4ef826
Record #3	97a34776 f71b0cfd	4759be7a bae4a481	6700b658 6f5d4624	50c36f2c 91a40da4
Record #4	99cdb09d 85a6a72e	976e3fb6 311936c4	1478b2ee a1770478	4a674e43 7fc1c0ff

Verification Instructions

Dossier integrity verification

1. Obtain the associated Dossier . json file and the Dossier . pdf file to be verified.
2. Calculate the Dossier . pdf SHA-256 hash with a trusted tool. Examples:

```
Windows PowerShell: Get-FileHash .\Dossier.pdf -Algorithm SHA256
```

```
macOS: shasum -a 256 Dossier.pdf
```

```
Linux: sha256sum Dossier.pdf
```

3. Compare the calculated value with dossier . pdf_hash in Dossier . json. Equality confirms that the PDF matches the artifact referenced by the JSON.

PDF digital signature

Dossier . pdf is digitally signed by Provenia using PAdES with an ICP-Brasil e-CNPJ certificate.

The ICP-Brasil certificate identifies the technical signing method used. This statement does not assert automatic legal validity or recognition in any jurisdiction.

Package integrity does not depend exclusively on the ICP-Brasil signature. The SHA-256 hash of the final signed Dossier . pdf is recorded in Dossier . json, which is digitally signed by Provenia with Ed25519.

Individual records retain their respective RFC 3161 time evidence when available.

These mechanisms allow independent verification of PDF integrity, correspondence between the PDF and JSON manifest, the manifest's cryptographic authenticity, and time evidence associated with records.

Provenia publishes verification references through independent channels. The signed Dossier.json contains the exact references associated with this Dossier, which may include the official public-key registry, a public GitHub repository release and a permanent Zenodo archive. This supports independent verification without relying exclusively on Provenia's current infrastructure.

For historical Dossiers, use the exact references recorded in Dossier.json instead of assuming the latest verifier version is appropriate.

JSON signature verification

The signature contract uses Ed25519. JSON is encoded as UTF-8; `signature.signature` uses Base64; the public key embedded in `signature.public_key` uses PEM SubjectPublicKeyInfo; and `signature.public_key_fingerprint` contains the SHA-256 hash of the DER-encoded SubjectPublicKeyInfo.

The signed content is the root JSON payload before the signature field is added. Current serialization uses four-space indentation, `ensure_ascii=False`, preserved field order and no key sorting.

Successful validation demonstrates that the payload corresponds to the private key associated with the embedded public key. The embedded key alone does not prove that it institutionally belongs to Provenia.

To establish that trust, the fingerprint must be compared with the fingerprint published by Provenia. The Ed25519 public key used in this Dossier and its identifier are available at the address in `Dossier.json`'s `public_key_url` field:

<https://www.provenia.app/public-keys/provenia-prod-2026-01>

Confirmation through additional independent external channels is part of Provenia's key-publication policy; the exact references associated with this Dossier are recorded in `Dossier.json`.

Original-file matching verification

1. Obtain the original file from the account holder or person responsible for the project.
2. Calculate the SHA-256 hash without modifying the file, using the commands above and replacing `Dossier.pdf` with the original file name.
3. Locate the record corresponding to the file in the PDF or JSON.
4. Compare the calculated value with the record's Hash field in the PDF or `file_hash` in JSON. Spaces in PDF hashes are only visual grouping and must be removed for comparison.
5. A match demonstrates byte-for-byte correspondence with the file whose hash was recorded when the record was created.
6. This result alone does not prove absolute authorship, ownership or originality.

Appendix A — Account Data

Name	Contact Provenia
Verified email	contact@provenia.app
Verified phone	Not applicable
Identity level	Declared

Appendix B - Technical Metadata

Schema name	ProveniaChainOfCreation
Schema version	1.0
Methodology version	1.0
Template name	Creative Evolution Dossier
Generation version	1.0
PDF template version	1.0
Platform	Provenia
Platform version	1.0