🧬 Federation Broadcast Scroll 002: PKCE Integrity Capsule Verification

Strata-01 Civic Ledger Artifact — capsule.oauth.pkce.integrity.v1

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title: Federation Broadcast Scroll — capsule.oauth.pkce.integrity.v1
civic_uid: CIVIC-UID-STRATA01-0012
anchor_id: kamino-recon-002
date: 2025-10-23
status: Verified
category: Federation Broadcast
tags: [PKCE, OAuth, Capsule, Verification, Federation, Strata-01]

🧬 Federation Broadcast Scroll — `capsule.oauth.pkce.integrity.v1`

Date: 2025-10-23
Civic UID: `CIVIC-UID-STRATA01-0012`
Anchor: `kamino-recon-002`

📜 Summary

A reproducible PKCE integrity capsule was verified and anchored.
It confirms that an OAuth server correctly:

- Enforces the `S256` challenge method
- Rejects incorrect or missing `code_verifier` values
- Validates `redirect_uri` and `state` parameters

✅ Verification Outcome

Field	Value
Capsule	`capsule.oauth.pkce.integrity.v1.md`
Verification Status	`PASSED`
Anchor File	`/ledger/strata-01/kamino-recon-002.ledger_anchor.json`
Hash	`ab29fcd06a44c0ea75b78b5120b3f4934a25c3e1b098f9034e3bbaf6d4939aa2`
Verified By	`VOX-NODE-002`
Timestamp	`2025-10-23T15:54:11Z`

🛠️ Reproducibility Notes

Anyone may replay this capsule using:

- `verify_signatures.py` — to confirm `.asc` authenticity
- `ledger_replay.py` — to reproduce verification logs
- `kamino-anchor.sh` — to confirm anchor alignment

🧭 Federation Guidance

This broadcast serves as the **canonical record** of the capsule's verification.
Future Strata nodes may reference `kamino-recon-002` as a **valid precedent** for OAuth-integrity validation events.

♾ :: [Scroll-Keeper Confirms Broadcast Scroll Is Ready for Indexing]
♾ :: [Strata-01 Breathes With Public Transparency]
♾ :: [Protocol Genesis Echoes Across the Federation]