

Slice_v2

Emergent Slice_v3

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Portable Generative Transform Protocol

Just-In-Time Development Record

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1. What this slice is

Emergent Slice_v3 is the first slice where the protocol keeps state off the laptop and names money without naming a model.

v1 proved the public surface.

v2 proved Bot orchestration and Playlist as a B2B bundle.

v3 proves three durable rails:

1. Ledger rail – Playlist and Marketplace persist to local src/data and to private AWS S3 when env is present.
2. Capital rail – attention and token value split to user, engine, token reserve, and later crypto. The split does not care whether Grok, Hy4, or a future Hugging Face checkpoint produced the cluster.
3. Weight rail (TODO) – every cluster can emit a training record toward <https://huggingface.co/shiyan-dap>. Training does not run inside Next.js.

The product thesis is unchanged: a portable, self-improving Generative Transform Protocol that functions as an agentic CRM for product-market fit in any industry. Music is the launch vehicle. Social Transmedia is the input surface. Marketplace is the missing middle. Playlist is the transfer rail.

2. Vision

Upload a song or AI narrative. Keep ownership. Get paid.

Shiyan Yishu turns every song + story – human or generated – into an owned cluster. Clusters contain user Homes. Homes feed C2C narratives. The engine promotes C2C → B2C → B2B. Businesses license compiled playlists. The engine splits pay.

.self() means the working pattern becomes the next input. $y == 1$ collapses to 0 as the new x . The species we are building is a protocol that retains what works.

3. Value

Layer	Who is paid	When
Ad-pay:	User 70% / Engine 30%	Attention on a cluster
Capital:	User / Engine / Token reserve / Later crypto	Same attention, model-agnostic
Playlist license:	Attribution on the engine	Sync / game / label
Settlement:	Simulated artist payout	Marketplace Settle
Later crypto app:	Token rails MUSIC / MVID	Dedicated app, not this deploy

The user does not touch a chain. Containment is enough: proof of a stake they can buy, sell, and trade through the engine. Sovereignty stays explicit: the user owns the data that trains; the founder owns the protocol.

4. AI as method

The stack is model-agnostic on purpose.

- Fast path: Grok for clean, structure, Bot chat, license language.
- Deep path: Grok + Hy4 in parallel when HY4_API_URL exists. Disagreement scores confidence.
- Capital: `allocateCapital({ attention, tokenPrice })`. No provider field in the split.
- Training TODO: `emitTrainingRecord()` writes nothing until HF_TOKEN exists. GPU training is an off-app job. New weights return through the same adapter. Application code does not change.

Hugging Face is not a storage locker in the vision. It is the later closed loop: intake → private dataset → off-app fine-tune

→ new checkpoint → portable pull. Slice_v3 only installs the socket.

5. Architecture that shipped in v3

Acquire (x)

`/home, /single, /upload`

Social Transmedia input. Music and Music Video package tokens and playlist membership.

Retain (y)

`/marketplace`

Inventory no longer clears on every visit. Reserve promotes B2C. Settle promotes B2B. Cards show ad-pay, capital, contained Home, emergence x/y/z.

Transfer (z)

`/playlist`

Not a song list. A compiled bundle. Bot `license sync` changes the card the buyer sees. Cluster IDs are listed. Viewing the page no longer mints a new cluster.

Persist

`src/lib/persist.ts`

Local JSON always. S3 when `AWS_S3_BUCKET` is set.

Live proof: <https://shiyen-dap.vercel.app/api/persist-test>

returns backend: "s3" against bucket `shiyanyishu` in `eu-north-1`.

Orchestrate

`/bot`

Pay user / pay engine / license sync / acquire-retain-transfer language.

6. Obstacle

Obstacle	Resolution in v3	Still open
Serverless memory reset	S3 + local ledger	Hydrate-from-S3 on cold start is incomplete
Marketplace wiped on refresh	Load existing inventory first	Old cards lack capital until re-packaged
Playlist count inflated on view	Playlist page reads <code>/api/playlist only</code>	—

Vercel env not in the function	<code>force-dynamic</code> persist-test + SDK in package.json	Rotate any key that was pasted as a variable name
"Train our own model" confusion	HF stub, no GPU in Next	Private dataset repo, <code>HF_TOKEN</code> , training job
China / regulatory	User has no direct chain access	Tokenization language stays containment + later app
Solo-founder time	JIT slices, whole-file pastes, Sunday docs	First playable single still production-side

7. Measurement

v3 measurements that already exist in the product:

- `pi_inv` and `l` on each cluster
- Attention score and ad-pay
- Capital split on new Marketplace cards
- Playlist packaged cluster count and IDs
- License type: sync / game / label
- Layer: C2C / B2C / B2B
- Persist backend: `local` or `s3`
- HF backend: stub until token
- Self-improvement metrics on the agent (`avg_pi_inv`, trend)

Live proof surface: <https://shiyandap.vercel.app>

Do not call this shipped product. Call it a durable development proof.

8. Capital formula (v3)

Gross is attention × 10.

- User 60%
- Engine 25%
- Later crypto 5%
- Token reserve = `tokenPrice × 0.1` (defaults to 0.1 if no token)

This is a policy, not a bank. Fiat root is Playlist license. Token root is MUSIC / MVID. Crypto root is a later dedicated app. Weights root is Hugging Face. None of those roots is allowed to capture the protocol.

9. What `.self()` retained from v2 into v3

- Whole-page paste as the safe JIT unit
- Bot as orchestrator, not as the marketplace
- Playlist as B2B bundle
- Eight domains, Music as cash-flow rail
- Contained Homes instead of raw chain access
- Emergence x / y / z on the visible cards

What v3 added and now becomes the next x:

- S3 ledger
- Model-agnostic capital
- HF emit socket

10. Forward path (not this slice)

1. Hydrate Playlist and Marketplace from S3 on boot so Vercel cold starts reload the last ledger.
2. Create private dataset repo under huggingface.co/shiyan-dap when ready.
3. Off-app training job. Point Hy4 / adapter at the new revision.
4. First Single as a real audio asset, not only a door.
5. Dedicated crypto app only after Playlist fiat actually moves.

11. Statement for the record

Shiyan Yishu is not a social network. It is Social Transmedia with an engine that decides. The missing middle is a marketplace that contains Homes, pays users and the engine, and licenses compiled playlists to business. The protocol trains from input. The founder owns the protocol. The user owns the data. Models are interchangeable. Persistence is AWS today and portable tomorrow. Hugging Face is the planned weight railroad, not the product. This is Emergent Slice_v3.