

TetraNexus Skunkworks Omega – Submission Brief

TetraNexus: Quantum Codex Skunkworks

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****Project****: TetraCodex / Codex Constitution / Starborn Infrastructure

****Version****: (Omega Skunkworks Release)

****Codename****: TetraNexus

What Is TetraNexus?

TetraNexus is the post-linear, post-quantum backbone of the Codex infrastructure a sovereign identity mesh architecture born from

This is not just code.

This is ****Codex Class****: a swarmproof, offline-verifiable, entangled trust protocol.

Core Components

Module	Purpose
`forge_qgd_oracle.py`	Generates entropy-rich QGD Oracle packets using seed phrases
`init_qgd_nexus.sh`	Initializes the Quantum Geometry Drive (QGD) identity collapse mechanism
`mesh-test.sh`	Sends proof packets to the Nexus mesh endpoint
`offline_test_harness.sh`	Tests the protocol in fully air-gapped environments
`input.json`	Auto-generated ZK payload ready for proof submission
`docker-compose-nexus-ultra-yggdrasil.yml`	Multi-container launch for the Codex mesh via Yggdrasil routing
`yggdrasil.conf`	Configuration for decentralized node mesh sync

How To Use

1. Run `forge_qgd_oracle.py` with optional `QGD_SEED`:

```
```bash
export QGD_SEED="Your-Unique-Starborn-Key"
python3 forge_qgd_oracle.py
```
```

2. Use the output entropy to generate `input.json`:

```
```bash
bash init_qgd_nexus.sh
```
```

3. Transmit to Codex Mesh:

```
```bash
bash mesh-test.sh
```
```

4. For full offline testing: