

# markpact

Live Contract Generation

**PROMPT:** custom

*Build a todo API*

Model: openrouter/google/gemini-3-flash-preview

# 1. Generowanie kontraktu

LLM: openrouter/google/gemini-3-flash-preview

## README.MD

### # Generated Project

Build a todo API

```
```yaml markpact:orchestration
```

```
pipeline:
  name: generated-project
  steps:
    - name: validate
      actor: script
    - name: deploy
      actor: script
```
```

```
```json markpact:state
```

```
{"phase":"init","health":null,"success_count":0,"error_count":0}
```

```
```text markpact:deps python
```

```
fastapi
uvicorn
```
```

```
```python markpact:file path=app/main.py
```

```
from fastapi import FastAPI
app = FastAPI()
```

```
@app.get("/health")
def health():
    return {"status": "ok"}
```
```

```
```bash markpact:run
```

```
uvicorn app.main:app --host 0.0.0.0 --port 8000
```
```

```
```text markpact:test http
```

```
GET /health EXPECT 200
```
```

## WALIDACJA + OCZEKIWANIA

Prompt: custom

Build a todo API...

Model: openrouter/google/gemini-3-flash-preview

Czas: 161ms

Rozmiar: 624 znakow

Linie: 40

## WALIDACJA

[X] LLM odpowiedzial  
161ms

[V] README.md zapisany  
generated/live/README.md

# 1b. marksync Orchestration

IntentParser + YAMLGenerator

## README.MD

### # Generated Project

Build a todo API

```
```yaml markpact:pipeline
```

```
description: Build a todo API
```

```
name: build-a-todo-api
```

```
steps:
```

```
- actor: script
```

```
  config:
```

```
    check: schema
```

```
    name: validate
```

```
- actor: script
```

```
  config:
```

```
    action: deploy
```

```
    target: docker
```

```
    name: deploy
```

```
version: 1.0.0
```

```
```
```

```
```text markpact:log
```

```
[2026-02-19T08:02:20Z] CONTRACT_CREATED: name=build-a-todo-api
```

```
```
```

```
```yaml markpact:orchestration
```

```
pipeline:
```

```
  name: generated-project
```

```
  steps:
```

```
    - name: validate
```

```
      actor: script
```

```
    - name: deploy
```

```
      actor: script
```

```
```
```

```
```json markpact:state
```

```
{"phase":"init","health":null,"success_count":0,"error_count":0}
```

```
```
```

```
```text markpact:deps python
```

```
fastapi
```

```
uvicorn
```

```
```
```

```
```python markpact:file path=app/main.py
```

```
from fastapi import FastAPI
```

```
app = FastAPI()
```

```
@app.get("/health")
```

```
def health():
```

## WALIDACJA + OCZEKIWANIA

marksync wzbogaca kontrakt o:

```
markpact:orchestration -- pipeline krokow
```

```
markpact:pipeline -- definicja steps
```

```
markpact:state -- stan procesu
```

```
markpact:log -- historia zdarzen
```

```
service_type: generic
```

```
actors: script
```

## WALIDACJA

```
[V] markpact:pipeline injected
```

```
[V] markpact:log injected
```

## 2. Parsowanie blokow

parse\_blocks() -> 8 blokow

### README.MD

#### # Generated Project

Build a todo API

```
```yaml markpact:pipeline
```

```
description: Build a todo API
```

```
name: build-a-todo-api
```

```
steps:
```

```
- actor: script
```

```
  config:
```

```
    check: schema
```

```
    name: validate
```

```
- actor: script
```

```
  config:
```

```
    action: deploy
```

```
    target: docker
```

```
    name: deploy
```

```
version: 1.0.0
```

```
```
```

```
```text markpact:log
```

```
[2026-02-19T08:02:20Z] CONTRACT_CREATED: name=build-a-todo-api
```

```
```
```

```
```yaml markpact:orchestration
```

```
pipeline:
```

```
  name: generated-project
```

```
  steps:
```

```
    - name: validate
```

```
      actor: script
```

```
    - name: deploy
```

```
      actor: script
```

```
```
```

```
```json markpact:state
```

```
{"phase":"init","health":null,"success_count":0,"error_count":0}
```

```
```
```

```
```text markpact:deps python
```

```
fastapi
```

```
uvicorn
```

```
```
```

```
```python markpact:file path=app/main.py
```

```
from fastapi import FastAPI
```

```
app = FastAPI()
```

```
@app.get("/health")
```

```
def health():
```

### WALIDACJA + OCZEKIWANIA

Znaleziono 8 blokow:

```
markpact:pipeline (214 chars)
```

```
markpact:log (62 chars)
```

```
markpact:orchestration (124 chars)
```

```
markpact:state (64 chars)
```

```
markpact:deps (15 chars)
```

```
markpact:file=app/main.py (106 chars)
```

```
markpact:run (47 chars)
```

```
markpact:test (22 chars)
```

### WALIDACJA

[V] markpact:pipeline

lang=yaml, 214 chars

[V] markpact:log

lang=text, 62 chars

[V] markpact:orchestration

lang=yaml, 124 chars

[V] markpact:state

lang=json, 64 chars

[V] markpact:deps

lang=text, 15 chars

[V] markpact:file=app/main.py

lang=python, 106 chars

[V] markpact:run

lang=bash, 47 chars

[V] markpact:test

lang=text, 22 chars

# 3. Walidacja blokow

Sprawdzenie wymaganych blokow markpact:\*

## README.MD

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name: build-a-todo-api
```

```
steps:
```

```
- actor: script
```

```
  config:
```

```
    check: schema
```

```
    name: validate
```

```
- actor: script
```

```
  config:
```

```
    action: deploy
```

```
    target: docker
```

```
  name: deploy
```

```
version: 1.0.0
```

```
```
```

```
```text markpact:log
```

```
[2026-02-19T08:02:20Z] CONTRACT_CREATED: name=build-a-todo-api
```

```
```
```

```
```yaml markpact:orchestration
```

```
pipeline:
```

```
  name: generated-project
```

```
  steps:
```

```
    - name: validate
```

```
      actor: script
```

```
    - name: deploy
```

```
      actor: script
```

```
```
```

```
```json markpact:state
```

```
{"phase":"init","health":null,"success_count":0,"error_count":0}
```

```
```
```

```
```text markpact:deps python
```

```
fastapi
```

```
uvicorn
```

```
```
```

```
```python markpact:file path=app/main.py
```

```
from fastapi import FastAPI
```

```
app = FastAPI()
```

```
@app.get("/health")
```

```
def health():
```

## WALIDACJA + OCZEKIWANIA

Wymagane bloki:

```
markpact:orchestration -- pipeline krokow
```

```
markpact:state -- stan procesu
```

```
markpact:deps -- zaleznosci
```

```
markpact:file -- kod zdrojowy
```

```
markpact:run -- komenda uruchomienia
```

Opcjonalne:

```
markpact:pipeline -- definicja steps
```

```
markpact:log -- historia zdarzen
```

```
markpact:test -- testy HTTP
```

```
markpact:target -- platforma docelowa
```

Wynik: PASS

## WALIDACJA

[V] markpact:orchestration obecny

wymagany

[V] markpact:state obecny

wymagany

[V] markpact:deps obecny

wymagany

[V] markpact:file obecny

wymagany

[V] markpact:run obecny

wymagany

[V] markpact:pipeline obecny

opcjonalny

[V] markpact:log obecny

opcjonalny

[V] markpact:test obecny

opcjonalny

[?] markpact:target

opcjonalny, brak

# 4. Analiza zawartosci

Szczegolowa analiza kazdego bloku

## README.MD

### # Generated Project

Build a todo API

```
```yaml markpact:pipeline
description: Build a todo API
name: build-a-todo-api
steps:
- actor: script
  config:
    check: schema
    name: validate
- actor: script
  config:
    action: deploy
    target: docker
    name: deploy
version: 1.0.0
```
```

```
```text markpact:log
[2026-02-19T08:02:20Z] CONTRACT_CREATED: name=build-a-todo-api
```
```

```
```yaml markpact:orchestration
pipeline:
name: generated-project
steps:
- name: validate
  actor: script
- name: deploy
  actor: script
```
```

```
```json markpact:state
{"phase":"init","health":null,"success_count":0,"error_count":0}
```
```

```
```text markpact:deps python
fastapi
uvicorn
```
```

```
```python markpact:file path=app/main.py
from fastapi import FastAPI
app = FastAPI()
```

```
@app.get("/health")
def health():
```

## WALIDACJA + OCZEKIWANIA

### Analiza blokow:

Deps: 2 pakietow

fastapi, uvicorn

File: app/main.py (6 linii)

Run: uvicorn app.main:app --host 0.0.0.0 --port 8000

Test: 1 assercji HTTP

### WALIDACJA

[V] 2 zaleznosci

fastapi, uvicorn

[V] file=app/main.py

6 lines, sha256=d8902563e101

[V] Run command

uvicorn app.main:app --host 0.0.0.0 --port 8000

[V] 1 testow HTTP

GET/POST/PUT/DELETE

# 5. Integralność SHA-256

Hash każdego bloku markpact:\*

## README.MD

### # Generated Project

Build a todo API

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```yaml markpact:pipeline
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steps:
- actor: script
  config:
    check: schema
    name: validate
- actor: script
  config:
    action: deploy
    target: docker
    name: deploy
version: 1.0.0
```
```

```
```text markpact:log
[2026-02-19T08:02:20Z] CONTRACT_CREATED: name=build-a-todo-api
```
```

```
```yaml markpact:orchestration
pipeline:
name: generated-project
steps:
- name: validate
  actor: script
- name: deploy
  actor: script
```
```

```
```json markpact:state
{"phase":"init","health":null,"success_count":0,"error_count":0}
```
```

```
```text markpact:deps python
fastapi
uvicorn
```
```

```
```python markpact:file path=app/main.py
from fastapi import FastAPI
app = FastAPI()
```

```
@app.get("/health")
def health():
```

## WALIDACJA + OCZEKIWANIA

Integralność danych:

README.md: 8905b846424c282933e1f374c34c2129

markpact:pipeline: 87bc50cbf04b17c8

markpact:log: f96dbd2701600315

markpact:orchestration: f46322a014ca2aab

markpact:state: 7e03664b9edc6836

markpact:deps: 69260f1a588b9c65

markpact:file=app/main.py: d8902563e1011d8c

markpact:run: 4c12c091621237d7

markpact:test: c6d52aaf1a7b5367

Każdy blok ma unikatowy hash.

Zmiana = nowy hash = wykryta.

## WALIDACJA

[V] README.md hash  
8905b846424c282933e1f374

[V] markpact:pipeline  
sha256=87bc50cbf04b17c8

[V] markpact:log  
sha256=f96dbd2701600315

[V] markpact:orchestration  
sha256=f46322a014ca2aab

[V] markpact:state  
sha256=7e03664b9edc6836

[V] markpact:deps  
sha256=69260f1a588b9c65

[V] markpact:file=app/main.py  
sha256=d8902563e1011d8c

[V] markpact:run  
sha256=4c12c091621237d7

[V] markpact:test  
sha256=c6d52aaf1a7b5367

# Podsumowanie

8

**blokow**

markpact:\*

12

**passed**

walidacja

1

**failed**

bledy

0.2s

**czas**

total

## Kroki:

- [✘]** LLM generate\_contract() (161ms)  
Failed to generate contract: litellm.NotFoundError: NotFoundError: OpenrouterException - 4
- [✓]** marksync enrich (20ms)  
+2 blocks: pipeline, log
- [✓]** parse\_blocks() (0ms)  
8 blocks
- [✓]** validate markpact:orchestration  
present
- [✓]** validate markpact:state  
present
- [✓]** validate markpact:deps  
present
- [✓]** validate markpact:file  
present
- [✓]** validate markpact:run  
present
- [✓]** Analiza deps  
2 packages: fastapi, uvicorn
- [✓]** Analiza file=app/main.py  
6 lines, sha=d8902563e101
- [✓]** Analiza run  
uvicorn app.main:app --host 0.0.0.0 --port 8000

**Kontrakt wygenerowany z 1 promptu -> 8 blokow markpact**