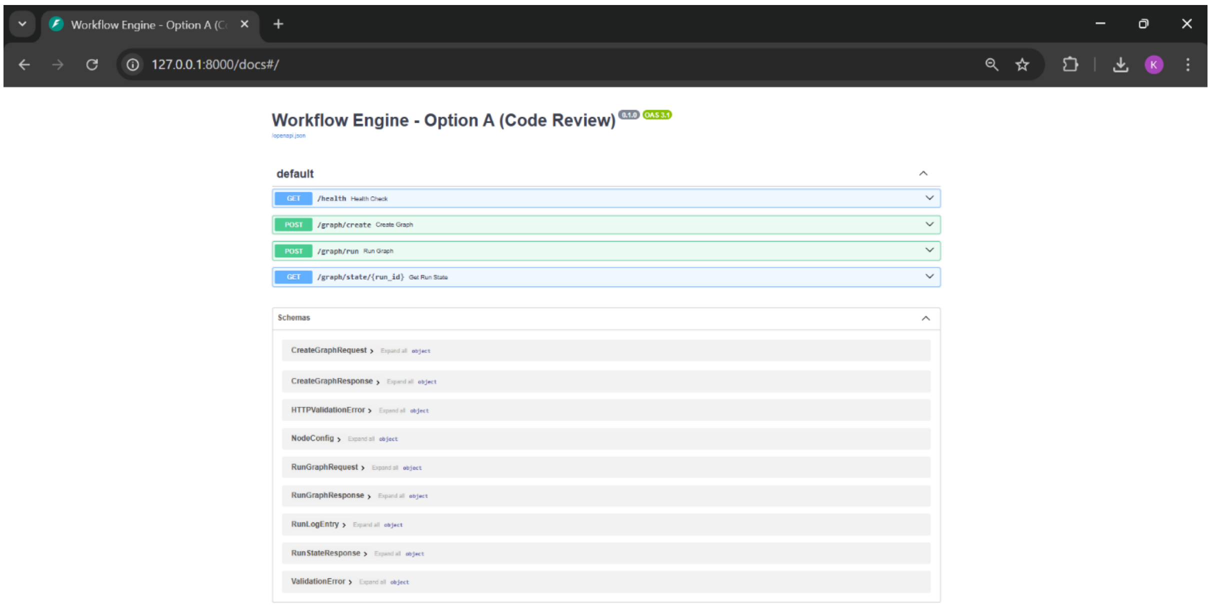
Wokflow Engine – API Endpoints Test Results



Workflow Engine - Option A (Code Review) 0.1.0 OAS 3.1

/openapi.json

default

GET `/health` Health Check

POST `/graph/create` Create Graph

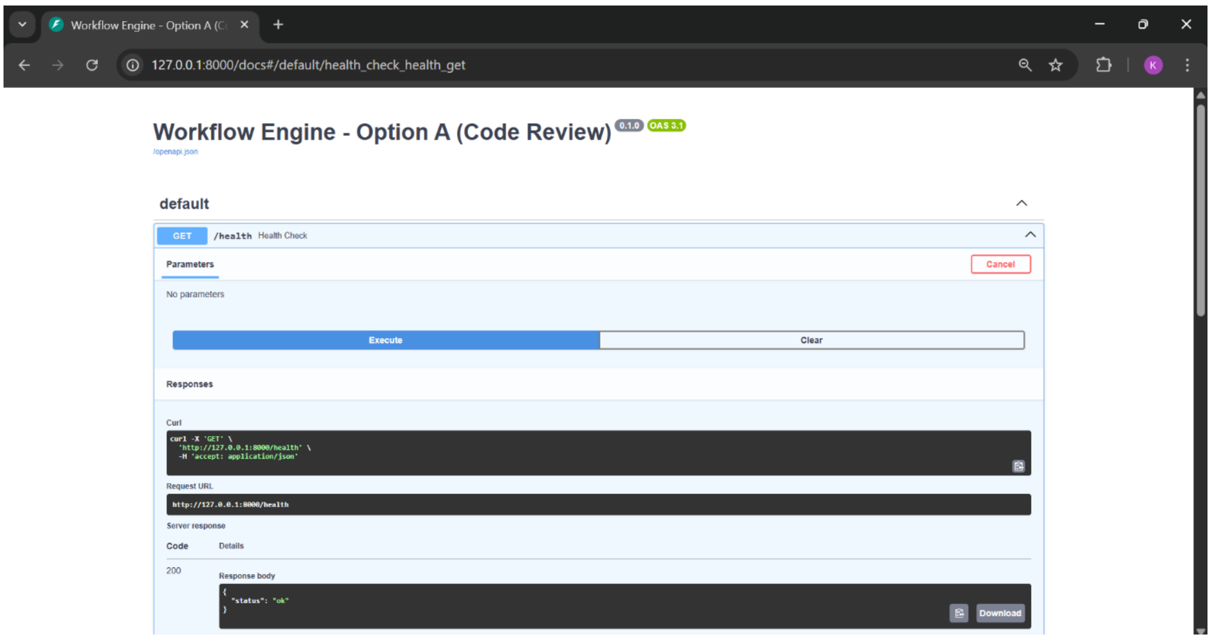
POST `/graph/run` Run Graph

GET `/graph/state/{run_id}` Get Run State

Schemas

- CreateGraphRequest › Expand all object
- CreateGraphResponse › Expand all object
- HTTPValidationError › Expand all object
- NodeConfig › Expand all object
- RunGraphRequest › Expand all object
- RunGraphResponse › Expand all object
- RunLogEntry › Expand all object
- RunStateResponse › Expand all object
- ValidationError › Expand all object

Workflow Engine - Option A (C
127.0.0.1:8000/docs#/



Workflow Engine - Option A (Code Review) 0.1.0 OAS 3.1

/openapi.json

default

GET `/health` Health Check

Parameters

No parameters

Responses

Curl

```
curl -X 'GET' \
  'http://127.0.0.1:8000/health' \
  -H 'accept: application/json'
```

Request URL

```
http://127.0.0.1:8000/health
```

Server response

Code Details

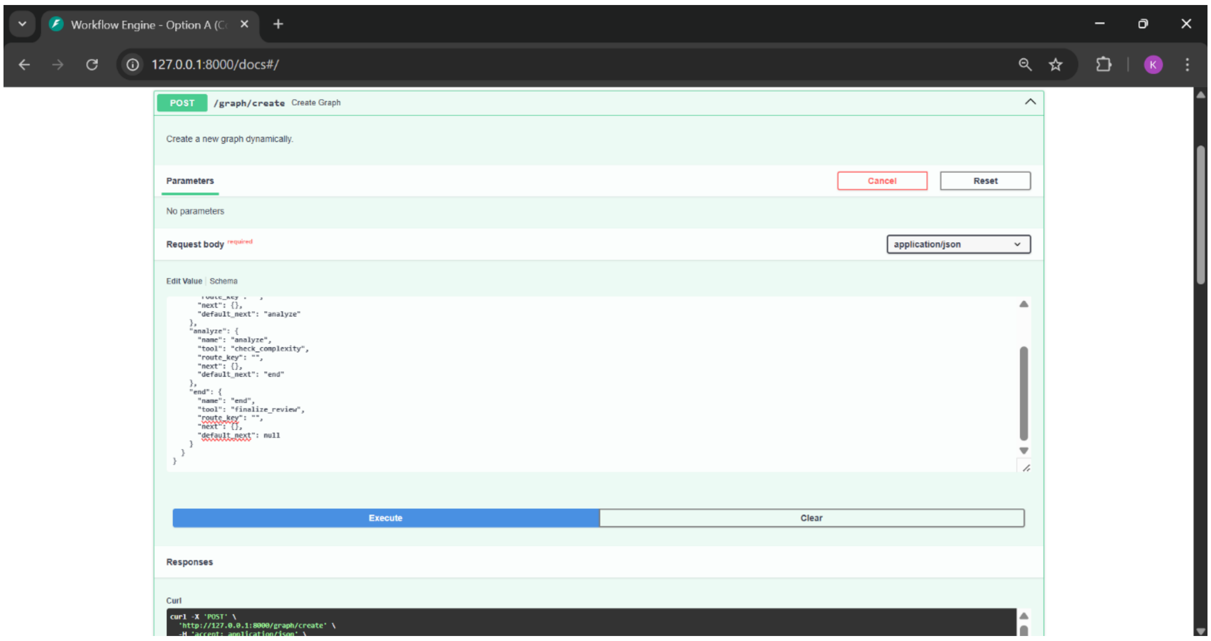
200

Response body

```
{
  "status": "ok"
}
```

Workflow Engine - Option A (C
127.0.0.1:8000/docs#/default/health_check_health_get
Cancel
Execute
Clear
Download

1) Dynamic Workflow Graph Creation using /graph/create Endpoint



/graph/create Create Graph

Create a new graph dynamically.

Parameters

No parameters

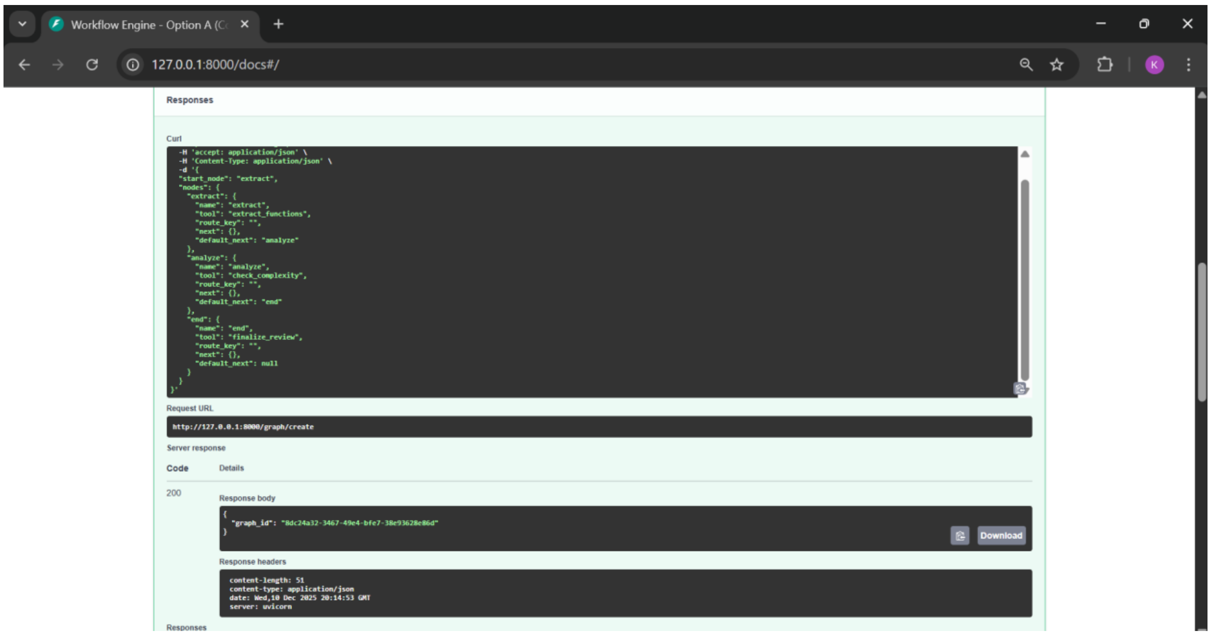
Request body required

```
      "next": {},
      "default_next": "analyze"
    },
    "analyze": {
      "name": "analyze",
      "tool": "check_complexity",
      "route_key": "",
      "next": {},
      "default_next": "end"
    },
    "end": {
      "name": "end",
      "tool": "finalize_review",
      "route_key": "",
      "next": {},
      "default_next": null
    }
  }
}
```

Responses

Curl

```
curl -X 'POST' \
  'http://127.0.0.1:8000/graph/create' \
```



Responses

Curl

```
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
  "start_node": "extract",
  "nodes": {
    "extract": {
      "name": "extract",
      "tool": "extract_functions",
      "route_key": "",
      "next": {},
      "default_next": "analyze"
    },
    "analyze": {
      "name": "analyze",
      "tool": "check_complexity",
      "route_key": "",
      "next": {},
      "default_next": "end"
    },
    "end": {
      "name": "end",
      "tool": "finalize_review",
      "route_key": "",
      "next": {},
      "default_next": null
    }
  }
}'
```

Request URL

```
http://127.0.0.1:8000/graph/create
```

Server response

Code Details

200

Response body

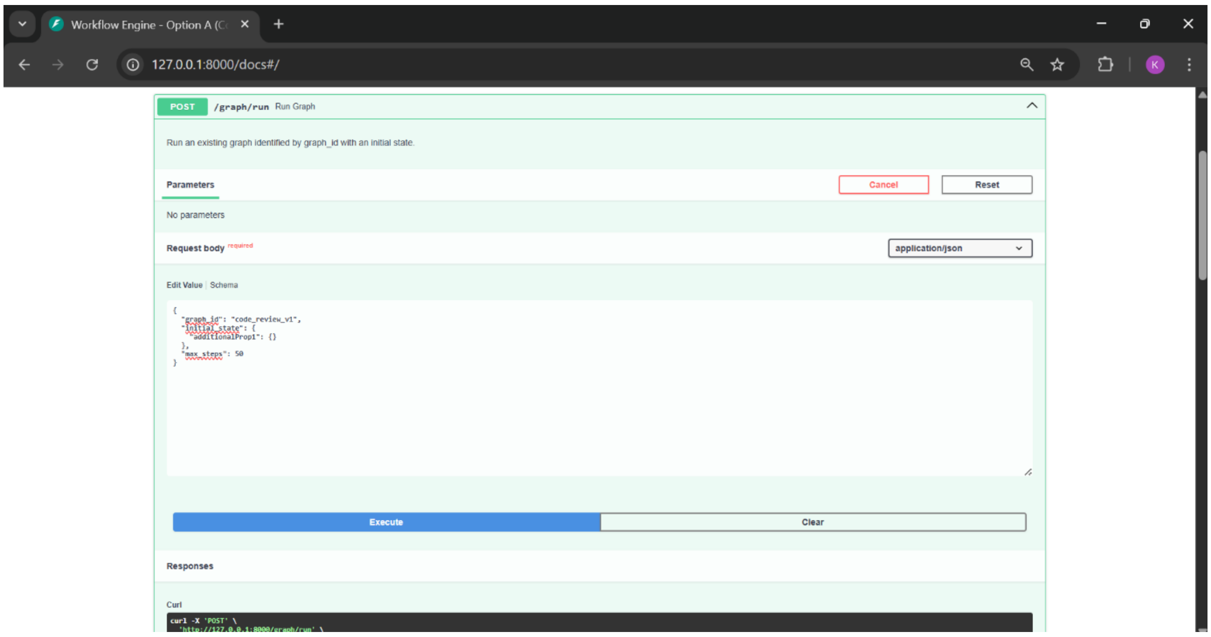
```
{
  "graph_id": "8dc24a32-3467-49e4-bfe7-38e93628e86d"
}
```

Response headers

```
content-length: 51
content-type: application/json
date: Wed,10 Dec 2025 20:14:53 GMT
server: uvicorn
```

Responses

2) Workflow Execution and State Propagation using /graph/run Endpoint



/graph/run Run Graph

Run an existing graph identified by graph_id with an initial state.

Parameters

No parameters

Request body required

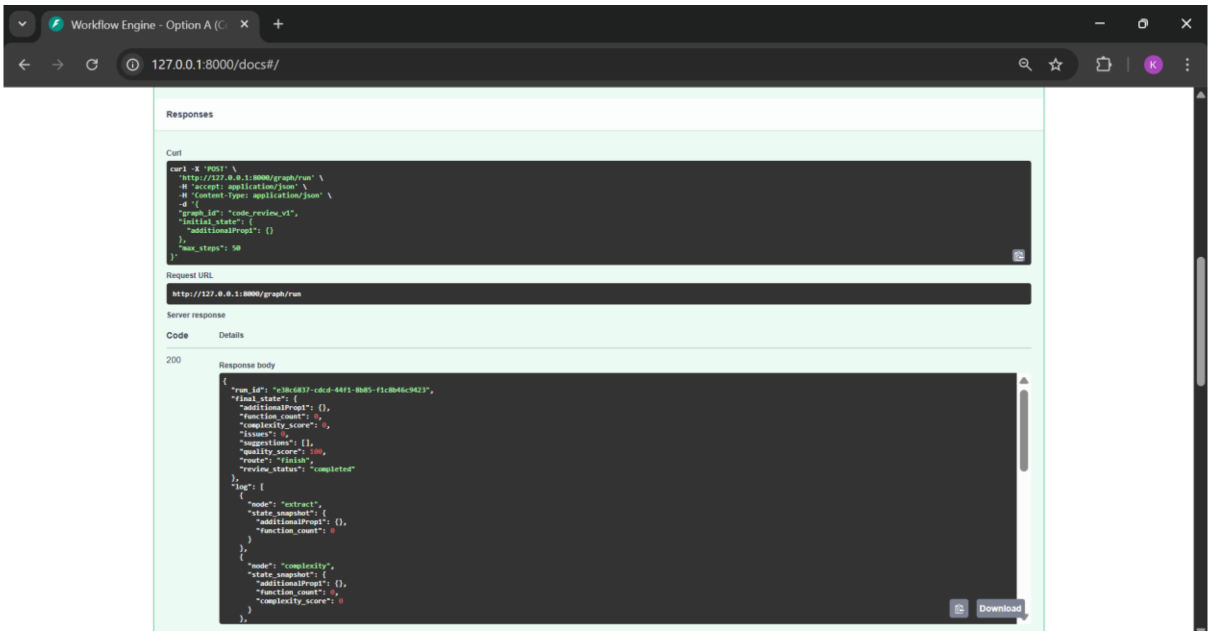
Edit Value | Schema

```
{
  "graph_id": "code_review_v1",
  "initial_state": {
    "additionalProp1": {}
  },
  "max_steps": 50
}
```

Responses

Curl

```
curl -X 'POST' \
```



Responses

Curl

```
curl -X 'POST' \
  'http://127.0.0.1:8000/graph/run' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
  "graph_id": "code_review_v1",
  "initial_state": {
    "additionalProp1": {}
  },
  "max_steps": 50
}'
```

Request URL

```
http://127.0.0.1:8000/graph/run
```

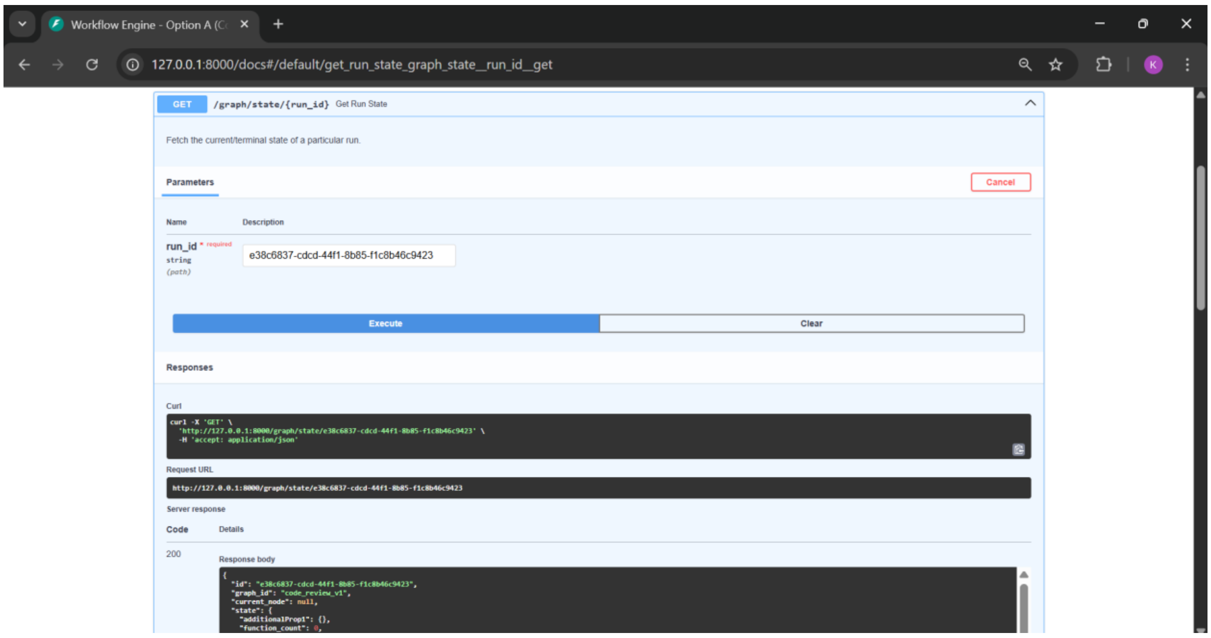
Server response

Code Details

200 Response body

```
{
  "run_id": "e38c6837-cdcd-44f1-8b85-f1c8b46c9423",
  "final_state": {
    "additionalProp1": {},
    "function_count": 0,
    "complexity_score": 0,
    "issues": 0,
    "suggestions": [],
    "quality_score": 100,
    "route": "finish",
    "review_status": "completed"
  },
  "log": [
    {
      "node": "extract",
      "state_snapshot": {
        "additionalProp1": {},
        "function_count": 0
      }
    },
    {
      "node": "complexity",
      "state_snapshot": {
        "additionalProp1": {},
        "function_count": 0,
        "complexity_score": 0
      }
    },
```

3) Run Tracking and Execution State Monitoring via /graph/state/{run_id} Endpoint


Workflow Engine - Option A (C
127.0.0.1:8000/docs#/default/get_run_state_graph_state__run_id__get
GET
/graph/state/{run_id} Get Run State
Parameters
Cancel
Name
Description
Execute
Clear

Fetch the current/terminal state of a particular run.

run_id * required
string
(path)
e38c6837-cdcd-44f1-8b85-f1c8b46c9423

Responses

Curl

```
curl -X 'GET' \
  'http://127.0.0.1:8000/graph/state/e38c6837-cdcd-44f1-8b85-f1c8b46c9423' \
  -H 'accept: application/json'
```

Request URL

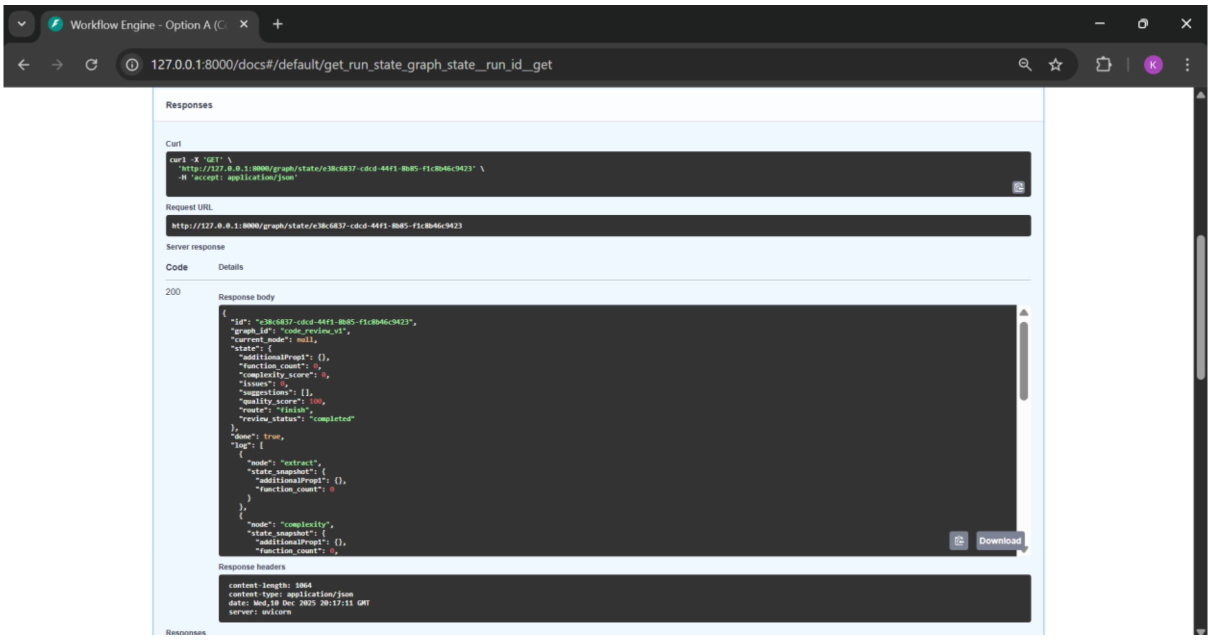
```
http://127.0.0.1:8000/graph/state/e38c6837-cdcd-44f1-8b85-f1c8b46c9423
```

Server response

Code Details

200 Response body

```
{
  "id": "e38c6837-cdcd-44f1-8b85-f1c8b46c9423",
  "graph_id": "code_review_v1",
  "current_node": null,
  "state": {
    "additionalProp1": {},
    "function_count": 0,
```


Workflow Engine - Option A (C
127.0.0.1:8000/docs#/default/get_run_state_graph_state__run_id__get
Download

Responses

Curl

```
curl -X 'GET' \
  'http://127.0.0.1:8000/graph/state/e38c6837-cdcd-44f1-8b85-f1c8b46c9423' \
  -H 'accept: application/json'
```

Request URL

```
http://127.0.0.1:8000/graph/state/e38c6837-cdcd-44f1-8b85-f1c8b46c9423
```

Server response

Code Details

200 Response body

```
{
  "id": "e38c6837-cdcd-44f1-8b85-f1c8b46c9423",
  "graph_id": "code_review_v1",
  "current_node": null,
  "state": {
    "additionalProp1": {},
    "function_count": 0,
    "complexity_score": 0,
    "issues": 0,
    "suggestions": [],
    "quality_score": 100,
    "route": "finish",
    "review_status": "completed"
  },
  "done": true,
  "log": [
    {
      "node": "extract",
      "state_snapshot": {
        "additionalProp1": {},
        "function_count": 0
      }
    },
    {
      "node": "complexity",
      "state_snapshot": {
        "additionalProp1": {},
        "function_count": 0,
```

Response headers

```
content-length: 1064
content-type: application/json
date: Wed,10 Dec 2025 20:17:11 GMT
server: uvicorn
```

Responses