

Getting Started with Google Antigravity

<https://antigravity.google>

Guillaume Laforge

Developer Advocate at **Google Cloud**,
focusing on generative AI and agentic development

Committer on **LangChain4j** and **ADK for Java**,
co-founder of the Apache Groovy language

Maintainer of unofficial SDKs for

- the **Gemini Interactions API**,
- and the **Antigravity SDK for Java**

What is Antigravity?



Agentic Development

Powered by autonomous AI agents that collaborate to manage and execute complex development tasks.



Platform from Google

Built on Google's enterprise infrastructure and state-of-the-art intelligence models.



Allowing Anyone to Build

Democratizes software creation for developers and creators of all technical skill levels.

How Antigravity Works

An autonomous, closed-loop execution engine with developer oversight

01 | PLAN

Structure Task

- Generates Implementation Plans & Task Lists
- Aligns on goals before touching code
- Defines scope and subagent strategies



02 | ACT

Execute Agent Loop

- Spins up specialized subagents in parallel
- Runs workspace tools, terminal & browser
- Refactors code across project files



03 | VERIFY

Validate Artifacts

- Inspect side-by-side Code Diffs
- Review Walkthroughs & Recordings
- Accept, reject, or request revisions

Human-in-the-Loop Feedback: You maintain full review and decision control at every critical milestone.

Antigravity Flavors



Antigravity
(2.0)



Antigravity
IDE &
Extensions



Antigravity
CLI



Antigravity
SDK

Antigravity 2.0

Antigravity 2.0



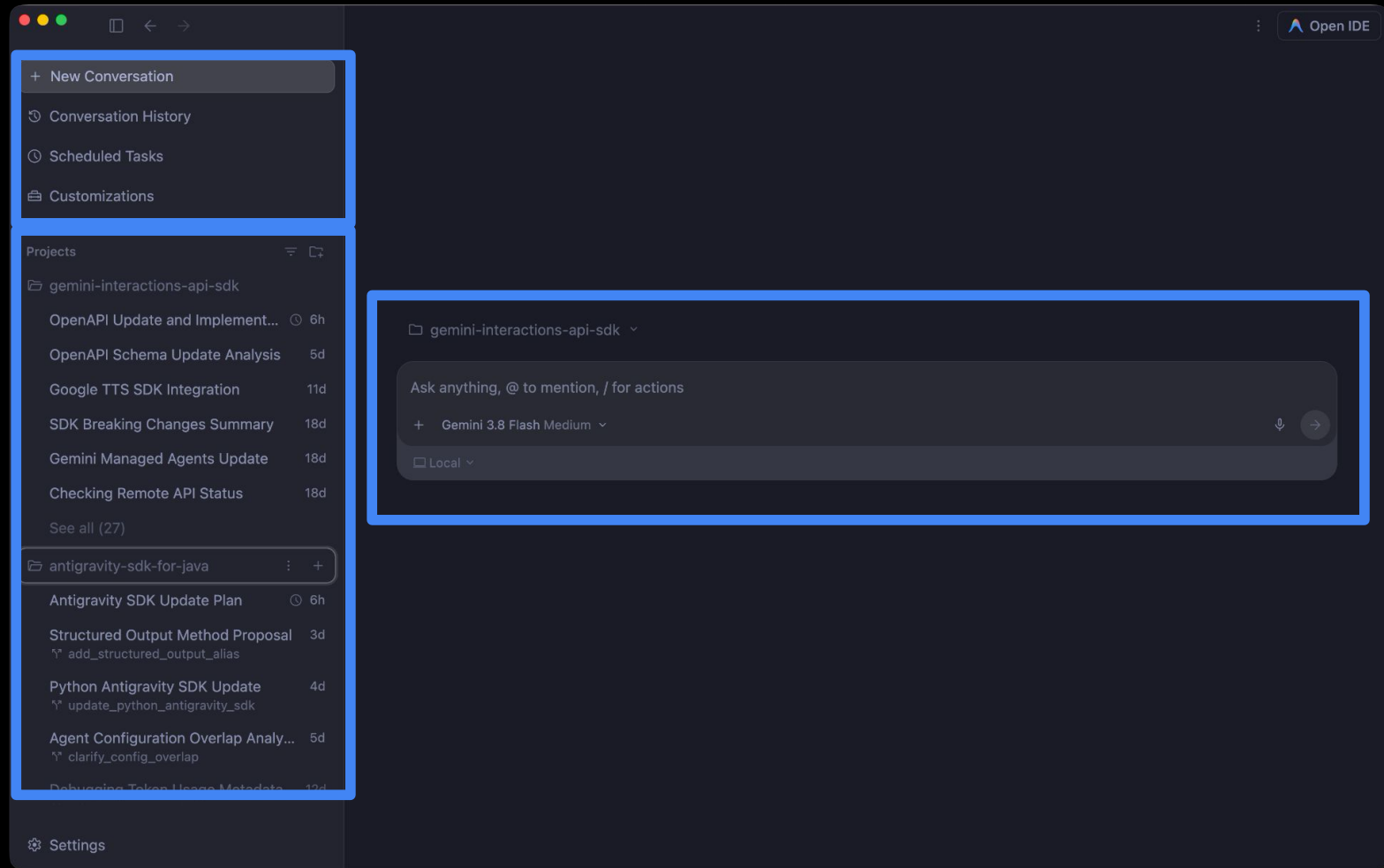
Desktop Agent Manager

Your command center to manage multiple local agents in parallel.



Projects & Workspaces

Group conversations into projects and operate seamlessly across multiple workspaces.



New Conversation

Conversation History

Scheduled Tasks

Customizations

Projects

gemini-interactions-api-sdk

OpenAPI Update and Implement... 6h

OpenAPI Schema Update Analysis 5d

Google TTS SDK Integration 11d

SDK Breaking Changes Summary 18d

Gemini Managed Agents Update 18d

Checking Remote API Status 18d

See all (27)

antigravity-sdk-for-java

Antigravity SDK Update Plan 6h

Structured Output Method Proposal 3d

Python Antigravity SDK Update 4d

Agent Configuration Overlap Analy... 5d

Debugging Token Usage Metadata 12d

Settings

gemini-interactions-a... / OpenAPI Schema Update Ana...

Open IDE

There's an update the the remote OpenAPI JSON schema. Please check what updates we need to make and suggest an implementation plan. I'm curious if there are breaking changes.

Here is the detailed analysis of the updates in the remote OpenAPI specification and the assessment of breaking changes.

1. Breaking Changes Assessment: Are There Any?

IMPORTANT

Summary: There are NO breaking wire/protocol changes to the Gemini Interactions API, and NO breaking changes required for the Java SDK API.

• HTTP Endpoints & URLs (Non-breaking):

OpenAPI parameter placeholder names were normalized (e.g., `/api_version/interactions/{id}` → `/api_version/interactions/{interactionsId}`, and `triggers/{trigger_id}/executions` → `triggers/{triggerId}/executions`). The actual runtime REST routes (`/v1beta/interactions/...`, `/v1beta/triggers/...`) and query parameters are unchanged.

• OpenAPI Internal Generator Cleanups (Non-breaking):

Several schemas generated by Speakeasy were renamed or refactored internally:

• CreateAgentInteractionF... &

Ask anything, @ to mention, / for actions

+ Gemini 3.8 Flash Medium ^

Subagents 0

Files Changed 6 Agent Edits

Config.java .../main/java/io/github/glaforge/gemini/interactions/model

AllowlistEntryDeserializer.java .../interactions/model/deserializer

AllowlistEntry.java ...va/io/github/glaforge/gemini/interactions/model

ModelsParityTest.java .../java/io/github/glaforge/gemini/interactions

SKILL.md skills/gemini-interactions-java-api

See all (6)

Artifacts 0

Uploads 0

Background Tasks 0

Terminals 0

Skills Used 1

gemini-interactions-java-api skills/gemini-interactions-java-api

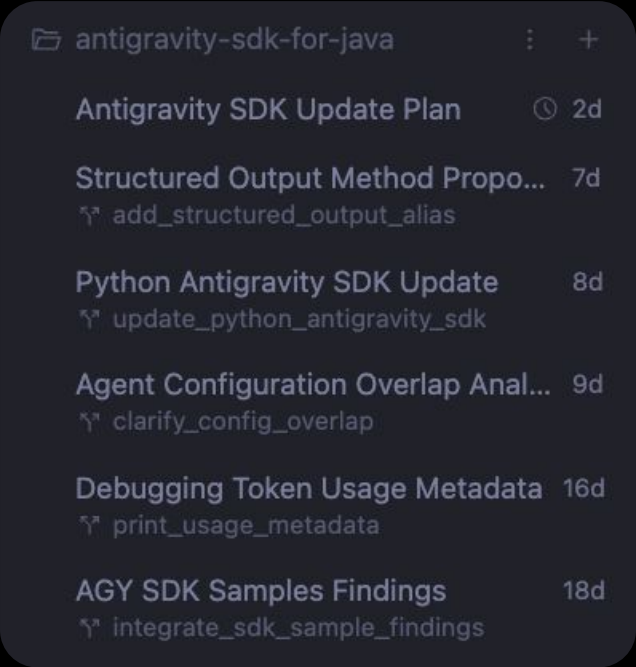
Models



Projects

A **project** defines the filesystem and security boundaries for the agent

Multi-folder & **Git worktree** support, scoped settings and permissions that the agent respects

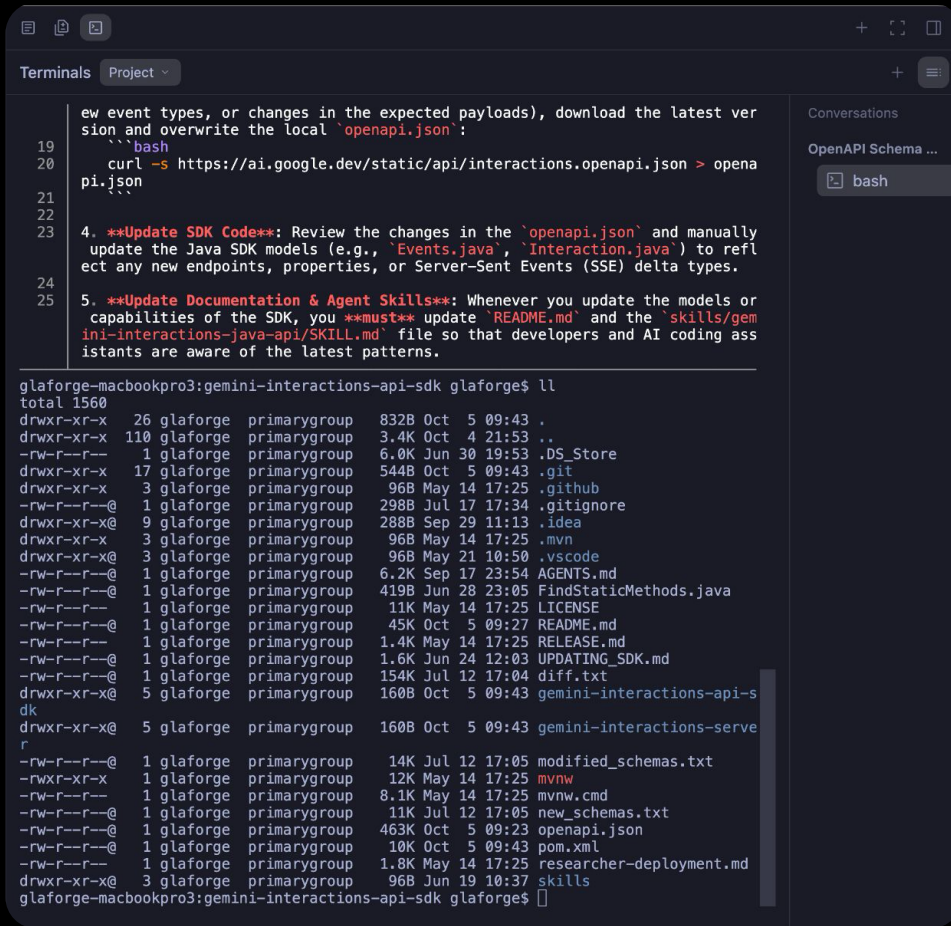


antigravity-sdk-for-java	:	+
Antigravity SDK Update Plan	🕒	2d
Structured Output Method Propo...		7d
🔗 add_structured_output_alias		
Python Antigravity SDK Update		8d
🔗 update_python_antigravity_sdk		
Agent Configuration Overlap Anal...		9d
🔗 clarify_config_overlap		
Debugging Token Usage Metadata		16d
🔗 print_usage_metadata		
AGY SDK Samples Findings		18d
🔗 integrate_sdk_sample_findings		

Built-In Terminal

Basic integrated terminal

*(conversation or
project scoped)*



The screenshot shows an IDE interface with a terminal window at the bottom. The terminal is titled "Project" and contains the following content:

```
ew event types, or changes in the expected payloads), download the latest version and overwrite the local `openapi.json`:  
19 ``bash  
20 curl -s https://ai.google.dev/static/api/interactions.openapi.json > openapi.json  
21 ``  
22  
23 4. **Update SDK Code**: Review the changes in the `openapi.json` and manually update the Java SDK models (e.g., `Events.java`, `Interaction.java`) to reflect any new endpoints, properties, or Server-Sent Events (SSE) delta types.  
24  
25 5. **Update Documentation & Agent Skills**: Whenever you update the models or capabilities of the SDK, you **must** update `README.md` and the `skills/gemini-interactions-java-api/SKILL.md` file so that developers and AI coding assistants are aware of the latest patterns.
```

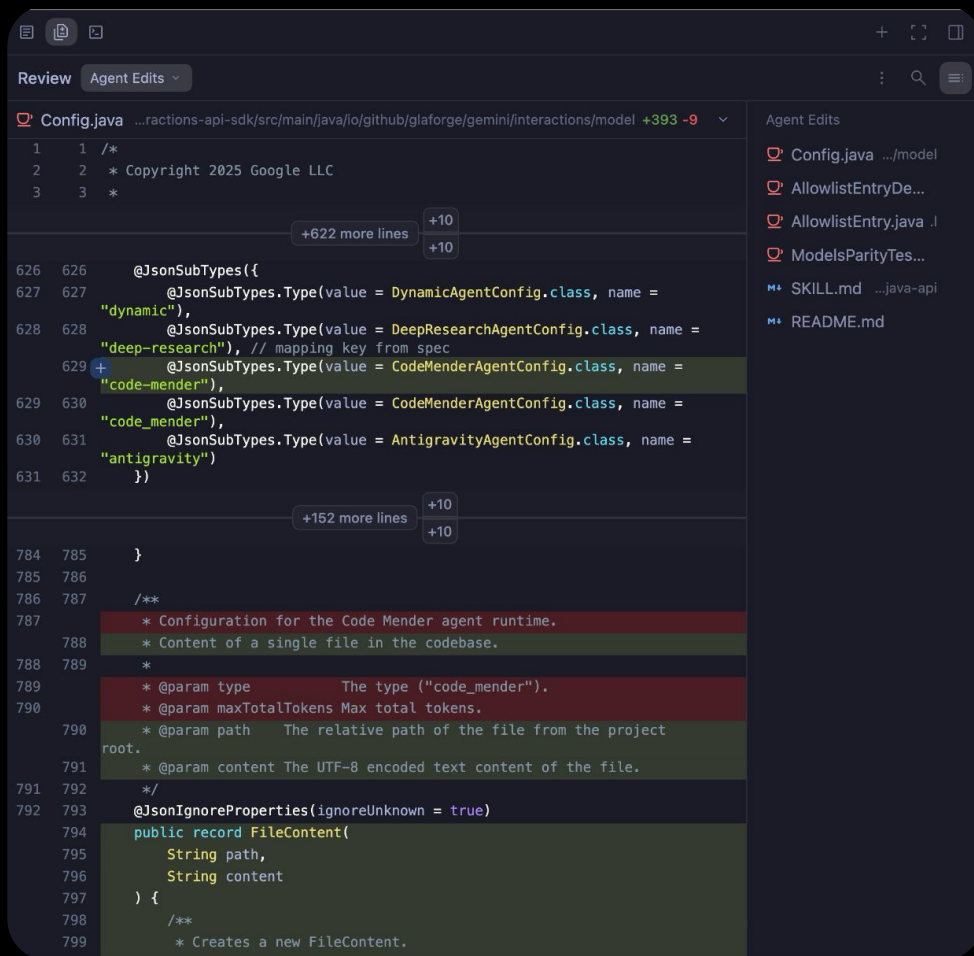
Below the instructions, the terminal shows the output of a command to list files in the current directory:

```
glaforge-macbookpro3:gemin-interactions-api-sdk glaforge$ ll  
total 1560  
drwxr-xr-x 26 glaforge primarygroup 832B Oct 5 09:43 .  
drwxr-xr-x 110 glaforge primarygroup 3.4K Oct 4 21:53 ..  
-rw-r--r-- 1 glaforge primarygroup 6.0K Jun 30 19:53 .DS_Store  
drwxr-xr-x 17 glaforge primarygroup 544B Oct 5 09:43 .git  
drwxr-xr-x 3 glaforge primarygroup 96B May 14 17:25 .github  
-rw-r--r--@ 1 glaforge primarygroup 298B Jul 17 17:34 .gitignore  
drwxr-xr-x@ 9 glaforge primarygroup 288B Sep 29 11:13 .idea  
drwxr-xr-x 3 glaforge primarygroup 96B May 14 17:25 .mvn  
drwxr-xr-x@ 3 glaforge primarygroup 96B May 21 10:50 .vscode  
-rw-r--r--@ 1 glaforge primarygroup 6.2K Sep 17 23:54 AGENTS.md  
-rw-r--r--@ 1 glaforge primarygroup 419B Jun 28 23:05 FindStaticMethods.java  
-rw-r--r-- 1 glaforge primarygroup 11K May 14 17:25 LICENSE  
-rw-r--r--@ 1 glaforge primarygroup 45K Oct 5 09:27 README.md  
-rw-r--r-- 1 glaforge primarygroup 1.4K May 14 17:25 RELEASE.md  
-rw-r--r--@ 1 glaforge primarygroup 1.6K Jun 24 12:03 UPDATING_SDK.md  
-rw-r--r--@ 1 glaforge primarygroup 154K Jul 12 17:04 diff.txt  
drwxr-xr-x@ 5 glaforge primarygroup 160B Oct 5 09:43 gemini-interactions-api-sdk  
drwxr-xr-x@ 5 glaforge primarygroup 160B Oct 5 09:43 gemini-interactions-server  
-rw-r--r--@ 1 glaforge primarygroup 14K Jul 12 17:05 modified_schemas.txt  
-rwxr-xr-x 1 glaforge primarygroup 12K May 14 17:25 mvnw  
-rw-r--r-- 1 glaforge primarygroup 8.1K May 14 17:25 mvnw.cmd  
-rw-r--r--@ 1 glaforge primarygroup 11K Jul 12 17:05 new_schemas.txt  
-rw-r--r--@ 1 glaforge primarygroup 463K Oct 5 09:23 openapi.json  
-rw-r--r--@ 1 glaforge primarygroup 10K Oct 5 09:43 pom.xml  
-rw-r--r-- 1 glaforge primarygroup 1.8K May 14 17:25 researcher-deployment.md  
drwxr-xr-x@ 3 glaforge primarygroup 96B Jun 19 10:37 skills  
glaforge-macbookpro3:gemin-interactions-api-sdk glaforge$
```

On the right side of the terminal, there is a "Conversations" panel with a tab labeled "OpenAPI Schema ..." and a "bash" button.

Review Changes

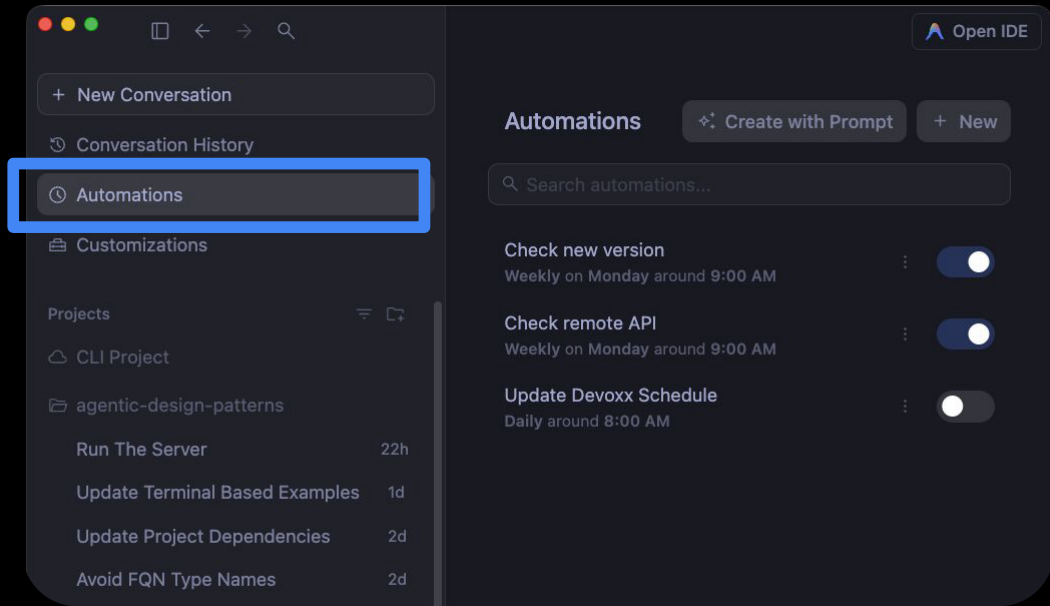
You can review
generated code
(*but no inline editing*)



Automations

Automate routine tasks
with **scheduled tasks**

Define a **cron** schedule
and the agents start
and run **autonomously**
in the background

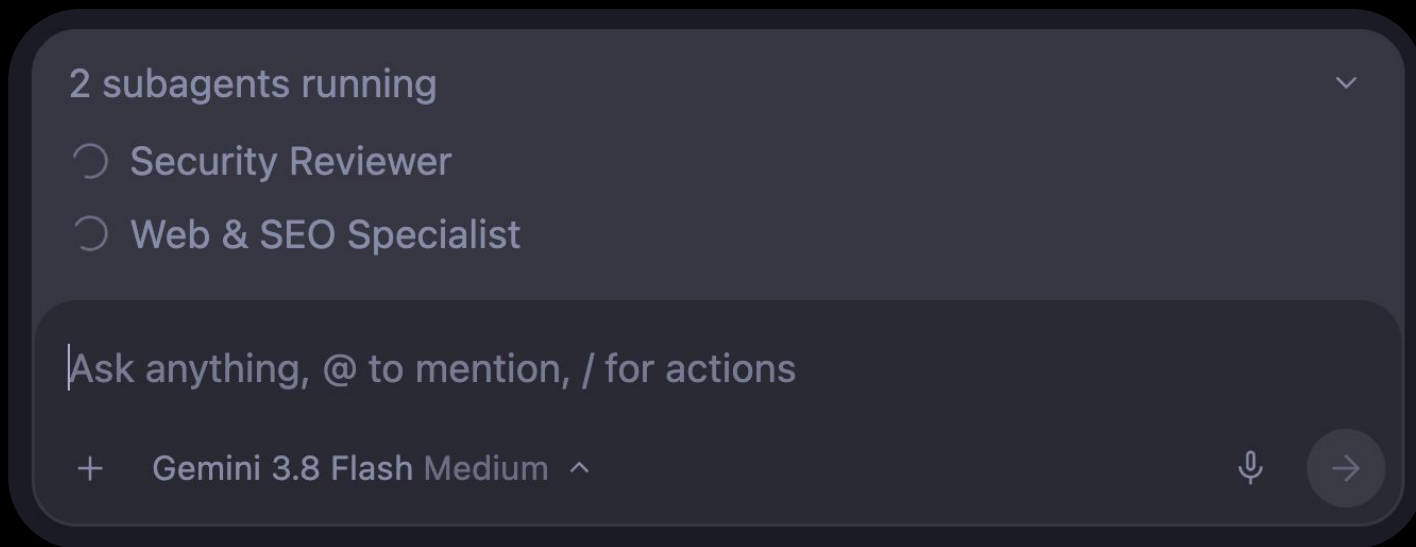


Slash Commands

- `/goal` → Run until the task is finished
- `/plan` → Create an implementation plan
- `/grill-me` → Interview me to align on a plan
- `/learn` → Distills into persistent Rules or Skills
- `/schedule` → Schedule a task
- `/browser` → Use the browser subagent
- `/btw` → Asks a question in the background
- `/generative-ui` → Generate visualizations

Subagents

Subagents are instantiated **dynamically** to tackle parallel parts of complex problems



Subagents

Pre-packaged with some specialized subagents:

`research`, `browser`, `self`

You can define and use your own **custom agents**

(using Markdown / YAML definitions)

Browser Subagent

Antigravity has the ability
to open and control a
Chrome browser

*(Requires Chrome and a
permission to start a
debugging session)*

🌐 browser record a user session going through the application

Worked for 1m >

🕒 Browser Session Recorder
browser

I have started the application locally on <http://localhost:8080/> and launched the 🗂 Browser Session Recorder subagent to record a complete user journey through the Devovx Belgium 2026 AI Schedule Curator (prompt selection, live 3-stage agentic pipeline, day filtering, abstract inspection, AI-curated talk alternatives & swapping, and Markdown export). I will share the recording as soon as it finishes.

Artifacts

Implementation Plan

Invoked via `/plan`

Can be commented
like Google Docs

Can contain architecture
diagrams or illustrations

Implementation Plan

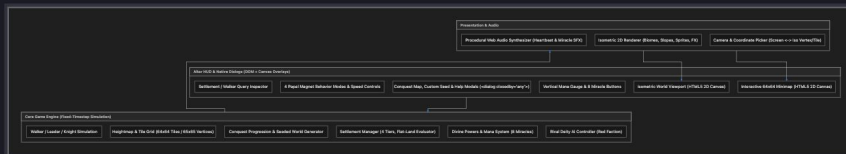
Implementation Plan

Populous (1989) Browser Recreation — Implementation Plan

Goal Description

Recreate Peter Molyneux & Bullfrog Productions' classic 1989 god game **Populous** in the browser using **Vite + TypeScript + HTML5 2D Canvas + Web Audio API**. The recreation faithfully implements the original 1989 simulation mechanics — cascading vertex-slope terraforming, autonomous walkers, 4-tier settlement growth determined by surrounding flat land, the Papal Magnet & Leader/Knight system, all 8 progressive Divine Powers, a Rival Deity AI, and a multi-world Conquest campaign across the 4 classic biomes — while pairing the iconic stone-altar HUD frame with smooth modern mouse/keyboard camera and terraforming ergonomics.

Architecture Overview



Code Diff

TS groovy-mode.ts (single edit)

Review Uncommitted

Commit

TS groovy-mode.ts services/frontend/src/ts +31 -11

21 21 if (ch == "'" || ch == '"') {

22 22 return startString(ch, stream, state);

23 23 }

24 24 if (ch == "." && stream.eat(".")) {

25 25 stream.eat("<");

26 26 return "operator";

27 27 }

24 28 if (/[\[\]\{\}\(\),;\:\.]/.test(ch)) {

25 29 curPunc = ch;

26 30 return null;

27 31 }

28 32 + if (/\\d/.test(ch)) {

29 stream.eatWhile(/[\\d.]/);

30 if (stream.eat(/[eE]/)) { stream.eat(/[+-]/); stream.eatWhile(/\\d/);

33 if (ch == "0" && stream.eat(/[xX]/)) {

34 stream.eatWhile(/[\\da-fA-F_]/);

35 } else if (ch == "0" && stream.eat(/[bB]/)) {

36 stream.eatWhile(/[01_]/);

37 } else {

38 stream.eatWhile(/[\\d_]/);

39 if (stream.match(/^\\.\\d/)) {

40 stream.eatWhile(/[\\d_]/);

41 }

Staged Changes

No file changes

Changes

Y build-groovy-ex... M

Y deploy-groovy-e... M

M+ README.md M

🔗 pom.xml ...-executor M

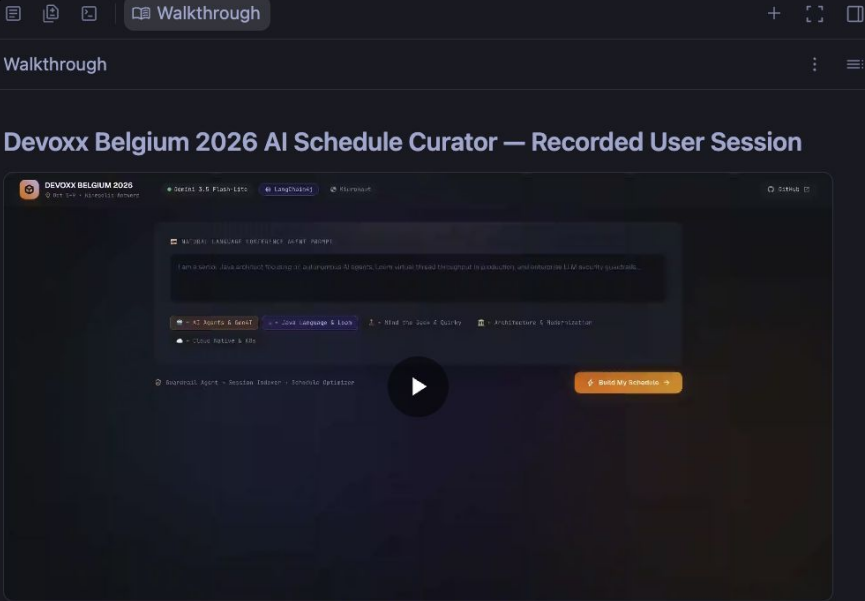
🔗 pom.xml functions M

TS groovy-mode.ts ...s M

JS check_groovy_m... U

Walkthrough

After implementing the plan, you can a **walkthrough** of all the work that has been done.



The screenshot shows a web application titled "Walkthrough" in the browser's address bar. The main content area displays a "Recorded User Session" for "Devoxx Belgium 2026 AI Schedule Curator". The session interface includes a header with badges for "Devvix 3.5 Flash-Lite", "LangChain4j", and "Micronaut". Below the header is a text input field with a prompt: "I am a senior Java architect looking for solutions to build a secure virtual thread-based microservices architecture and implement LLM security guardrails." Underneath the input field are several context chips: "+ AI Agents & GenAI", "+ Java Language & Tools", "3 - Build the Dev & Deploy", and "Architecture & Infrastructure". At the bottom of the session view, there is a "Build My Schedule" button and a "Status" link. A play button icon is visible in the center of the session view, indicating it is a recorded session.

Recorded User Journey

- 1. Landing View:** Opened <http://localhost:8080/> (`</>` `index.html`) showing the header badges (Gemini 3.5 Flash-Lite , LangChain4j , Micronaut), natural language prompt input, and quick context chips.
- 2. Quick Prompt Selection:** Selected the 🤖 + AI Agents & GenAI chip, populating the prompt with "I'm interested in AI agents, Generative AI, LLM evaluation, LangChain4j, and loop engineering."
- 3. Live 3-Stage Agentic Workflow:** Clicked Build My Schedule and streamed live Server-Sent Events from `ScheduleController` through all three stages:

Screenshot & Recording

The screenshot displays the 'User Session Recording' interface. At the top, there are navigation tabs for 'Walkthrough' and 'User Session Recording'. Below the header, the event 'DEVOXX BELGIUM 2026' is shown with its location 'Des 5-9 • Kampella Antwerp'. A sidebar on the left lists AI models: 'Gemini 3.5 Flash-Lite', 'LangChain4j', and 'Micronaut', along with a 'GitHub' link. The main content area is titled 'LangChain4j, loop engineering' and includes an 'Export Calendar (.ics)' button. It features an 'AI Reasoning Summary' and a weekly session overview for 'Full Week (24 sessions)' with a breakdown by day: Monday (4), Tuesday (4), Wednesday (6), Thursday (7), and Friday (3). The agenda for 'MONDAY, OCT 5 (DEEP DIVES & LABS) (4 SESSIONS)' is detailed below, showing two sessions: 'From AI to Agent: A Field Guide to Agentic Patterns in LangChain4j' by Loic Magnette (Onirix) from 09:30 to 12:30, and 'Codepocalypse Now: LangChain4j vs JetBrains Koog' by Viktor Gamov (Confluent) and Baruch Sadogursky (Port.io) from 13:30 to 16:30. Each session entry includes a 'Deep Dive' tag, a description of why it was chosen for the user, and options to 'Abstract', 'Find Alternatives', or 'View on Devoxx'.

User Session Recording

DEVOXX BELGIUM 2026
Des 5-9 • Kampella Antwerp

Gemini 3.5 Flash-Lite LangChain4j Micronaut

GitHub

LangChain4j, loop engineering

Generated via Autonomous Engine: LangChain4j • Gemini 3.5 Flash-Lite reasoning

Export Calendar (.ics)

AI Reasoning Summary: AI-curated conflict-free 5-day conference agenda tailored to your focus on AI agents, Generative AI, LLM evaluation, LangChain4j, Loop engineering.

Full Week (24 sessions)

Monday (4) Tuesday (4) Wednesday (6) Thursday (7) Friday (3)

MONDAY, OCT 5 (DEEP DIVES & LABS) (4 SESSIONS)

09:30 - 12:30 Room 6 Deep Dive Agentic Engineering & Tooling

From AI to Agent: A Field Guide to Agentic Patterns in LangChain4j

Loic Magnette (Onirix)

Why this talk was chosen for you: This deep dive directly matches your interest in LangChain4j and agentic workflows, guiding you from simple LLM calls into controllable agentic systems.

Abstract Find Alternatives View on Devoxx

13:30 - 16:30 Room 6 Deep Dive Agentic Engineering & Tooling

Codepocalypse Now: LangChain4j vs JetBrains Koog

Viktor Gamov (Confluent), Baruch Sadogursky (Port.io)

Why this talk was chosen for you: A fantastic afternoon session comparing LangChain4j head-to-head across tool calling, memory, and workflows, matching your focus on agent engineering frameworks.

Permissions

Permissions

Global vs Per-Project

Different modes

Allow, Ask, Deny

Sandboxing

Global Permissions

Configure global allowed and denied resource permissions. [Learn more.](#)

Permission Preset

Controls the actions the agent can take. Modified in 29 projects ▾

Turbo ▾

Tool Permissions 86

Modify permissions for file, terminal, and MCP tools.

Open

Network Access Rules 18

Configure allowed and denied URLs for reading.

Open

Permission Settings

Also includes [Global Permissions](#) when working in this project. [Learn more.](#)

Permission Preset

Controls the actions the agent can take.

Turbo ▾

File Access Rules

Configure allowed and denied paths for

Network Access Rules

Configure allowed and denied URLs for

Terminal Commands 2

Configure allowed terminal commands.

MCP Tools

Configure external tools via Model Context Protocol.

Inherit Global

Inherits your Global Permissions when working in this project.

Request Review

Every command requires approval.

Default

Ask before sensitive operations.

Turbo

Run all commands without restrictions.



Open

Customizations

Customizations

- Skills (/learn)
- MCP Servers
- Rules
- Custom Agents
- Hooks
- Sidecars
- Plugins

Customizations

MarketplaceInstalled

Search customizations...

Plugins5+ Create



Antigravity Brain Visualizer
Interactive conversation brain visualizer, token ...



Paint Studio
Interactive multi-layer drawing, PSD editing, an...



Chrome DevTools
Reliable automation, in-depth debugging, and ...



google-cloud-developer
Google Cloud guidance for coding agents: first...



Modern Web Guidance
Keep your coding agent up to date with the lat...

Skills & Rules9

/agy-customizationsBuilt InComprehensive guide and reference for the Antigravity Customization System. Us...

/antigravity-guideBuilt InProvides a comprehensive guide, quick reference, and sitemap for Google Antigravity...

/automationBuilt InInteractive guide to design and create a scheduled background automation. Use this skill w...

/generative_uiBuilt InHow to render rich interactive HTML widgets inline in the chat or as standalone artifacts. ...

/migrate-workflowsBuilt InAutomatically migrate legacy workflows to modern skills across global and workspa...

/permissioned-githubBuilt InGuidelines for interacting with GitHub and request permissions from the user whe...

/pluginBuilt InHow to manage and create plugins — namespaced bundles of skills, agents, rules, MCP servers ...

/ui-extensionBuilt InBuild, package, run, and debug UI extensions for Antigravity: interactive web panels that r...

/ui-plugin-navigationBuilt InDiscover UI plugin panels relevant to the current task and surface a one-click pill i...

Custom Agents0

No custom agents yet.

MCP Servers1

stitch > 15 tools enabled

Plugins

plugins/<plugin-name>/

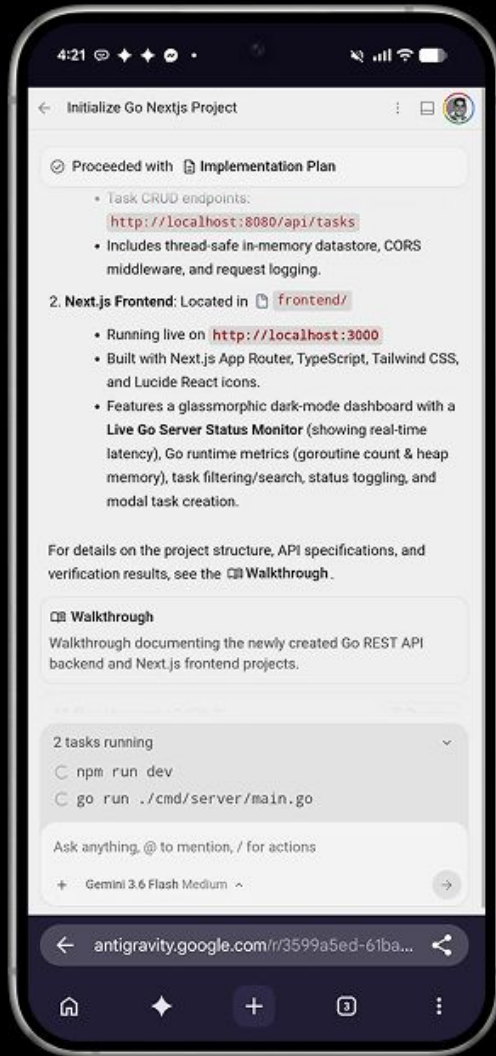
- |— plugin.json *# Required marker and manifest file*
- |— mcp_config.json *# Optional MCP server definitions*
- |— hooks.json *# Optional hooks definition*
- |— skills/ *# Optional skills directory*
 - | |— <skill-name>/
 - | |— SKILL.md
- |— agents/ *# Optional subagent definition templates*
 - | |— <agent-name>.md
- |— rules/ *# Optional rules directory*
 - | |— <rule-name>.md

Remote Control

Remote Control

Available in both:

- Antigravity 2.0
- Antigravity CLI



Antigravity IDE & IDE Extensions

Antigravity IDE

A **VS Code**-based AI-assisted editor
with an agent side panel and terminal

Auto-complete, tab to import, tab to jump,
commands, explain & fix, send problems to agent,
send terminal output to agent

antigravity-sdk-for-java — Agent.java

Explorer

antigravity-sdk-for-java

antigravity-sdk-wrapp...

src

main

java/io/github/gl...

tools

ToolRegistry.java

triggers

AgentTrigger.java

Triggers.java

Agent.java 7

AgentBehavior.java

AgentCancelledExcep...

AgentConfig.java

AgentExecutionExcep...

AgentInput.java

AgentResponse.java

AgentResponseChunk...

AgentStream.java

BudgetConfig.java

BudgetScope.java

BuiltinTools.java

CapabilitiesConfig.java

CompactionConfig.java

DebugConfig.java

DevAllPolicy.java

Outline

Timeline

Java Projects

Maven

ObservabilityTest.java

Agent.java 7

```
79 public class Agent implements AutoCloseable, TriggerContext {
1308 private CompletableFuture<HookResult> triggerPreToolCallDecide(
1320 }
1321
1322 private CompletableFuture<Void> triggerPostToolCall(ToolCall ca
1323 CompletableFuture<Void> future = CompletableFuture.complete
1324 for (AgentHook hook : config.getHooks()) {
1325     if (hook instanceof PostToolCallHook pth) {
1326         future = future.thenCompose(v -> pth.onPostToolCall
1327     }
1328 }
1329 return future;
1330 }
1331
1332 private CompletableFuture<Object> triggerOnToolError(ToolCall c
1333 CompletableFuture<Object> future = CompletableFuture.comple
1334 for (AgentHook hook : config.getHooks()) {
1335     if (hook instanceof OnToolErrorHook oteh) {
1336         future = future.thenCompose(recovery -> {
1337             if (recovery != null)
1338                 return CompletableFuture.completedFuture(re
1339             return oteh.onToolError(call, err, sessionConte
1340         });
1341     }
1342 }
1343 return future;
1344 }
1345
1346 private CompletableFuture<Void> triggerOnCompaction(Object step
1347 CompletableFuture<Void> future = CompletableFuture.complete
1348 for (AgentHook hook : config.getHooks()) {
1349     if (hook instanceof OnCompactionHook och) {
1350         future = future.thenCompose(v -> och.onCompaction(s
1351     }
1352 }
```

@/Users/glaforge/Projec

I hadn't noticed we had a deleteOnExit() in the code, but it proves that when something bad happens (like test failures, and other binary once per platform slice into a deterministic cache location (e.g., ~/.antigravity/bin/v0.2.3/localhasrness or a single shared file in java.io.tmpdir).

Benefits:

- **Zero Disk Bloat:** Only 1 copy (~95 MB) exists on disk total, no matter how many Agent instances or tests are run.
- **Faster Startup:** new Agent(...) starts instantly because it doesn't spend ~200ms copying 95 MB from JAR resources to disk each time.
- **Resilient to Crashes:** Even if a test crashes or close() is missed, no new files accumulate.

Would you like me to refactor Agent.java / PlatformResolver.java to use this

Review Changes

Ask anything, @ to mention, / for actions

+ Gemini 3.6 Flash High ^ ↵

Ln 1374, Col 1

Tab Size: 4

UTF-8

LF

Java

Antigravity - Settings

Auto-Complete

```
private CompletableFuture<Void> triggerOnStop(StopArgs stopArgs) {  
    CompletableFuture<Void> future = CompletableFuture.completedFuture(null);  
    for (AgentHook hook : config.getHooks()) {  
        if (hook instanceof OnStopHook osh) {  
            future = future.thenCompose(v -> osh.onStop(stopArgs, sessionContext));  
            future.exceptionally(e -> {  
  
                return future;  
            })  
        }  
    }  
}
```

< 1/1 > Accept Tab Accept Word ⌘ → ...

Tab to Import

```
/**
 * Cancels the current agent execution.
 */
public void cancel() {
    try {
        Instant instant = Instant.now();
        this.clientCancelled = true;
        InputEvent event = InputEvent.newBuilder().setHaltRequest(true).build();
        String payload = JSON_PRINTER.print(event);
        sendWebSocketMessage(payload);
    }
}
```

→ Import 'Instant' (java.time)

Tab to Jump

```
177         break;
178     case "null": →| Tab to Jump
179         schema = null;
180         break;
181     default:
182         throw new IllegalArgumentException("Unsupported type: " + type);
183     }
```

Explain & Fix

```
@SuppressWarnings("unchecked")
```

```
private static ObjectSchema parseObjectSchema
```

```
ObjectSchema s = new ObjectSchema
```

```
if (map.containsKey("properties"))
```

```
Map<String, Object> props = (Map<>) map.get("properties");
```

```
for (Map.Entry<String, Object> entry : props.entrySet()) {
```

```
    s.prop(entry.getKey(), parseSchema((Map<String, Object>) entry.getValue()));
```

```
}
```

```
}
```

Syntax error on token "<", ? expected after this token Java(161)

[Explain and Fix \(⇧⌘<\)](#)

[View Problem \(⌘F8\)](#)

No quick fixes available

[Explain and Fix Problem \(⇧⌘<\)](#)

Send (Problems) to Agent

Problems 104

Output

Debug Console

Terminal

Ports

Send all to Agent

✓  gemini-interactions-server 2 [Send to Agent](#)

✗ The container 'Maven Dependencies' references non existing library '/Use

✗ The project cannot be built until build path errors are resolved Java(0) [Lr

✓  pom.xml gemini-interactions-server 1 [Send to Agent ↗](#)

✗ Missing artifact io.github.glaforge:gemini-interactions-api-sdk:jar:2.0.4-SM

✓  InteractionsHandler.java gemini-interactions-server/src/main/java/io/github/glafo

Send Terminal Output to Agent

Problems 104

Output

Debug Console

Terminal

Ports

Filter



```
2026-10-05 22:07:51.689 [info] > git config --get commit.template [26ms]
2026-10-05 22:07:51.692 [info] > git for-each-ref --format=%(refname)%00%(upstream:track)%00%(upstream:remotename)%00%(upstream:remote:ref) --ignore-case
2026-10-05 22:07:51.714 [info] > git for-each-ref --sort -committerdate --format
(*objectname) [20ms]
2026-10-05 22:07:51.717 [info] > git status -z -uall [24ms]
2026-10-05 22:07:52.835 [info] > git config --get commit.template [36ms]
2026-10-05 22:07:52.837 [info] > git for-each-ref --format=%(refname)%00%(upstream:track)%00%(upstream:remotename)%00%(upstream:remote:ref) --ignore-case
2026-10-05 22:07:52.862 [info] > git for-each-ref --sort -committerdate --format
(*objectname) [23ms]
2026-10-05 22:07:52.875 [info] > git status -z -uall [36ms]
2026-10-05 22:07:52.936 [info] > git ls-files --stage -- gemini-interactions-serv
```

Chat %L ...

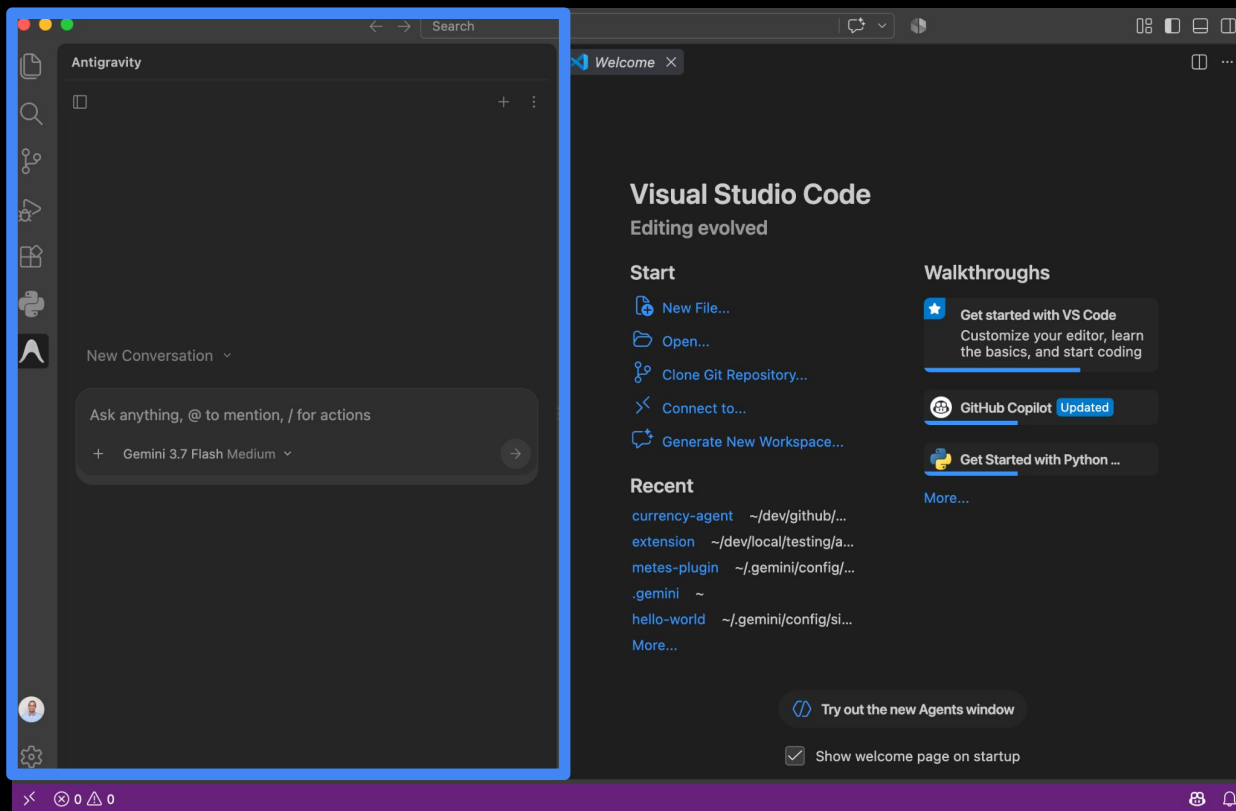
IDE Extensions

IDE Extensions with Antigravity agent side Panel
(but no AI-assistance in the editor)

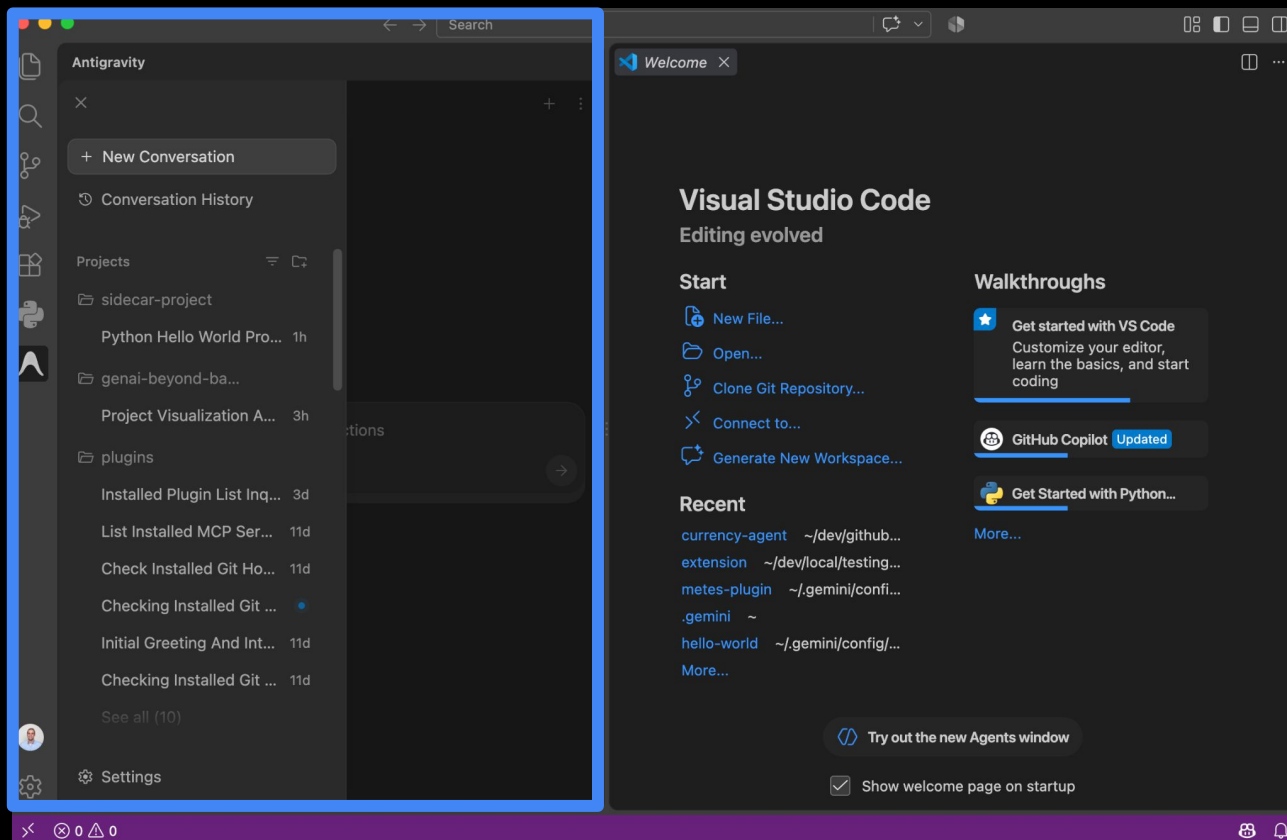
Extensions for:

- VS Code, Visual Studio
- JetBrains
- Zed
- XCode

IDE Extensions



IDE Extensions



Antigravity CLI

Antigravity CLI

The lightweight, fast,
terminal-first surface
to work with
Antigravity agents



Antigravity CLI 1.3.1

glaforge@gmail.com (Google AI Pro)

Gemini 3.8 Flash (Medium)

~/Projects/richpixels

> What is the @[RichPixels.java] class doing?

● Explored 1 file (RichPixels.java) (ctrl+o to expand)

The [RichPixels](#) class is a Java utility designed to render images directly in the terminal using 24-bit ("true color") ANSI escape sequences, inspired by Python's [rich-pixels](#) library.

Key Functionalities

1. CLI Entry Point ([main](#)):

- Parses command-line arguments: image file path, rendering mode, and optional downscale factor.
- Syntax: `java RichPixels <image_path> [full] [--factor<factor>]`

2. Downsampling ([downsize](#)):

- Reduces the resolution of large images by averaging blocks of pixels (e.g., `-2` averages 2×2 blocks, `-3` averages 3×3 blocks) so they fit better within standard terminal dimensions.

3. Rendering Modes:

- Half-block Rendering ([renderHalfCell](#), default):
 - Uses the Unicode lower half-block character (▀) to display two vertical pixels per terminal character cell.
 - Sets the ANSI background color for the upper pixel and the foreground color for the lower pixel, effectively doubling the vertical resolution.
- Full-block Rendering ([renderFullCell](#)):
 - Uses two space characters () per pixel with a 24-bit ANSI background color escape code (`\u001b[48;2;R;G;Bm`) to maintain an approximate 1:1 aspect ratio.

🟢 READY | 🗨 3.8 Flash

📁 ...richpixels | 📄 c311 🏷

2.3% (24.9K/1.0M) | ⏸

📄 0 | 🔄 0 | ⚙ 0 | 🔌 OFF

100% 3p-5h 4h5

Antigravity SDK

Antigravity SDK

The Antigravity SDK gives you the same tools, agent loop, and context management that power Antigravity, programmable in Python
(Unofficial SDKs exist for other languages, like Java)

Example: a GitHub PR Reviewer

1. Configuration (Capabilities & Agent)

```
CapabilitiesConfig caps = CapabilitiesConfig.builder()
    .enableViewFile(true)
    .enableListDir(true)
    .enableGrepSearch(true)
    .build();

AgentConfig config = AgentConfig.builder()
    .modelName(model)
    .capabilities(caps)
    .addSkillPath(
        Path.of("skills/pull-request-reviewer"))
    .responseSchema(Review.class)
    .instructions(
        "You are a Principal Software Engineer.")
    .addPolicy(Policies.allowTools(
        BuiltinTools.VIEW_FILE.getValue(),
        BuiltinTools.LIST_DIR.getValue(),
        BuiltinTools.SEARCH_DIR.getValue())
    )
    .addPolicy(Policies.denyAll(
        "Only read-only codebase inspection is allowed."
    )
    )
    .addOnToolErrorHook((call, err, ctx) -> ...)
    .addWorkspace(".")
    .build();
```

2. Prompt Definition

```
String prompt = """
Perform an in-depth technical code review of this PR.
Inspect codebase files using tools to verify callers
and types.
Return your review with markdown 'body'
and line 'comments'.

### Pull Request Diff
```diff
%s
```
""".formatted(diff.trim());
```

3. Execution & Structured Output

```
try (Agent agent = new Agent(config)) {
    AgentResponse r = agent.chat(prompt).get();
    Review review = r.getStructuredOutput(Review.class);
}
```

Summary

Try It Out!



Download Google Antigravity

[View previous releases](#)

 macOS  Windows  Linux  Googlebook

Antigravity 2.0 v2.22.0

[Download for Apple Silicon](#) [Download for Intel](#)

Minimum Requirements
macOS 12 (Monterey) or later (Apple Silicon or Intel)

Antigravity CLI v1.3.1

Work with Antigravity directly in your codebase. Build, debug, and ship from your terminal. Describe what you need, and Antigravity handles the rest.

 macOS

```
curl -fsSL https://antigravity.google/cli/install.sh | bash
```



Thanks!

<https://antigravity.google/>