

Community

TechTalks



Sept 17, 2025

AI Powered API Templating with Apigee & Antigravity CLI



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→ 🎥 This session is being recorded so you can revisit it on demand later.

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→ 🎤 We'll open the floor for discussion and live questions at the end of the session.

→ 👍 Use reactions and emojis to engage throughout the presentation.

→ 🤝 Please help us keep the space respectful and welcoming for everyone.



Speaker



Tyler Ayers

Principal Architect



AI Powered API Templating with Apigee & Antigravity CLI

Announcing Apigee Feature Templater v5

Next-generation proxy templating with native gcloud beta support and Bun runtime

AFT v5 Features

- **Bun-powered:** Runs natively with zero dependencies.
- **Standalone Binaries:** Fast execution across macOS, Linux, and Windows.
- **1-Line Install:** Quick setup via cURL or PowerShell script.

Native gcloud beta Support

- **Apigee YAML Schema:** Aligned with official Apigee X proxy configs.
- **gcloud Integration:** Native support for `gcloud beta apigee apis import`.
- **Seamless Pipeline:** Bridge local templating to cloud deployments.

Quick Start & One-Line Installation

```
curl -fsSL https://raw.githubusercontent.com/apigee/apigee-templater/main/install.sh | sh
```

AI Agent Integration: Install skills for Google Antigravity & Gemini CLI using `aft skill install`.

Shell Completion: Enable tab autocompletion via `aft completion install`.

What's New in AFT v5: Schema Migration

Key differences between v4 and v5 configuration standards

AFT v4 Schema

- **Legacy Format:** Uses custom JSON Schema tailored for early proxy generation.
- **Schema Location:** Hosted on legacy v4 path.
- **Validation:** Limited native IDE integration.

```
// Legacy v4 schema URL
apigee-templater.schema.json
```

AFT v5 Schema (Standardized)

- **Aligned with Apigee X:** Native support for `gateway.schema.1.0.json`.
- **YAML & JSON:** Unified standard supporting both formats natively.
- **IDE Auto-completion:** Direct Language Server integration.

```
// Standard v5 gateway schema
gateway.schema.1.0.json
```

IDE Schema Validation Directive

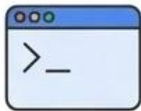
```
# yaml-language-server: $schema=https://raw.githubusercontent.com/apigee/apigee-templater/main/schema/gateway.schema.1.0.json
```

Add this directive as the first line in your YAML configs to enable immediate schema validation and auto-complete in VS Code or WebStorm.

Apigee Feature Templating: Composition to Deployment Workflow

How Users Can Compose and Deploy API Proxies

1. Composing Feature Templates



CLI

Command Line Interface



MCP / Chat

Multi-Channel Platform / Chat Interface



REST / Web Interface

RESTful API / Web UI

2. Apigee Feature Templater



**Apigee Feature
Templater**

Processes inputs into
feature templates

3. Deployment to Gateways



**Apigee X
Gateways**

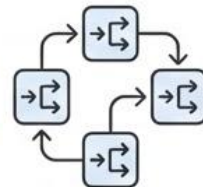
Managed Cloud



Hybrid Gateways

On-Premise & Cloud

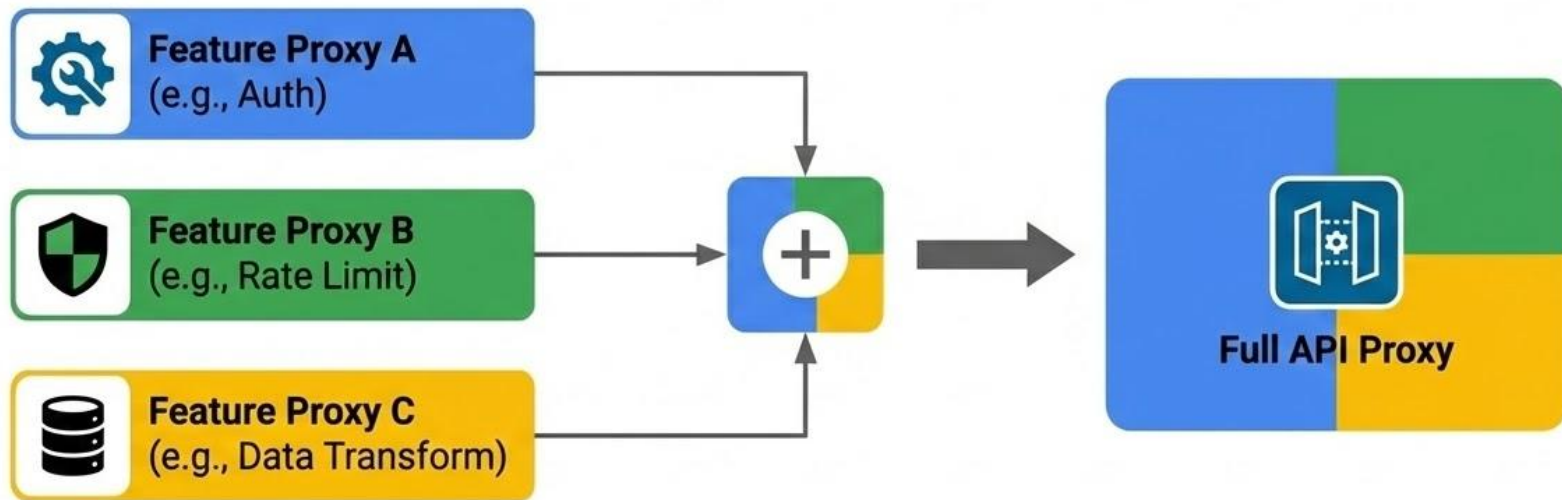
4. API Proxies



API Proxies

Ready for Use

Introducing Feature Proxies



Single-function, focused proxies.

Composed from multiple features.

Feature Composition with YAML Templates



YAML Template
(e.g., ApigeeMockAPI-v1)

YAML templates act as **blueprints**, compositing reusable “features” (like authentication or proxy logic) into a complete API definition. **Parameters** allow for **customization**, while **endpoints** and **targets** define the API’s behavior and backend routing.



Configured API
Proxy

Installing AFT Skills for Coding Agents

Enable AI coding assistants to seamlessly compose and manage Apigee feature templates

1

Installation

Run the install command to equip your local AI coding agent (CLI, MCP, or IDE extensions) with AFT capabilities.

`$ aft skill install`

- ✓ Registering MCP tools...
- ✓ Updating agent context
- ✓ AFT Skill installed!

2

Agent Capabilities

The installed skill gives the agent domain knowledge about feature templates, schemas, and composition rules.

Provided Skill Tools:

- `list_features` - Discover features
- `validate_template` - Check YAML
- `compose_proxy` - Build output
- `deploy_proxy` - Push to gateway

3

Interactive Example

Developers prompt the agent using natural language to construct and deploy complex API proxies effortlessly.

"Create an Apigee template with OAuth2 auth and quota rate limiting, then test it."

 **Agent using AFT Skill:**
Generating YAML template...
Validating features... Ready!

Learn More & Resources

Explore official repositories, feature templates, and experimental tools for AFT



Apigee Feature Templater (AFT) v5

The core CLI tool to compose, convert, and manage Apigee feature templates and proxies natively.

<https://github.com/apigee/apigee-templater>



AFT Template Repository

Official GCP samples containing reusable feature templates, security configurations, and API patterns.

<https://github.com/gcp-samples/apigee-template-repository>



EARLY PREVIEW

AFT Testpilot

A full Bun test environment designed specifically for rapid local testing and validation of Apigee templates.

<https://github.com/tyavers/aft-testpilot>

It's Demo Time!

See Apigee Feature Templating in action.

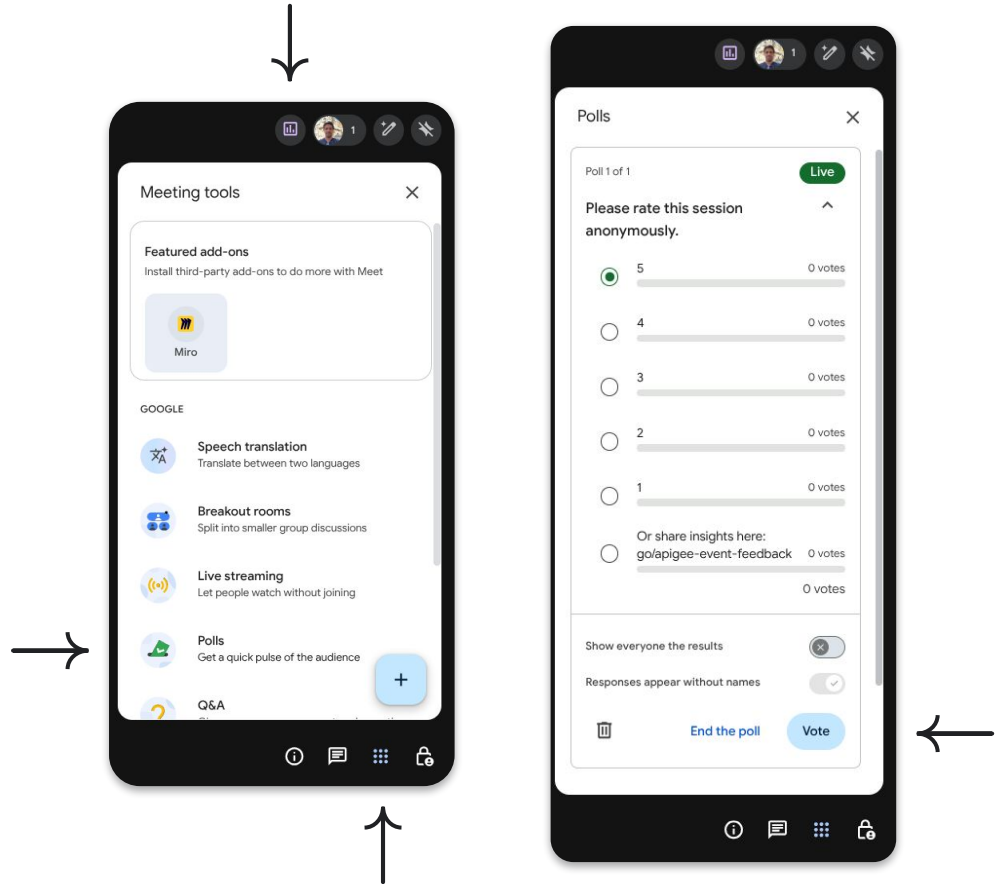




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New Community Content

- [Troubleshooting API Proxy Performance Issues in Apigee Hybrid](#)
- [Apigee Migration Assessment Tool](#)
- [Securing WebSockets for Agentic & Real-Time Architectures](#)
- [Connecting Gemini Enterprise Agent Runtime to Apigee](#)



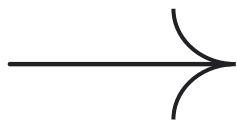
Upcoming Events

- **Sept 24** | What's new and next in Apigee
- **Oct 1** | Gouvernance des Agents : Maîtriser l'autorisation des tools MCP avec Google Apigee
- **Oct 13** | Apigee AI Horizon Paris



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