GoogleCloudPlatform / **agent-starter-pack**

<> **Code**   ⊙ Issues **23**   ⇊ Pull requests **2**   💬 Discussions   ▷ Actions   ⊞ Projects   ⊘ Security   📈 Insights

Ship AI Agents to Google Cloud in minutes, not months. Production-ready templates with built-in CI/CD, evaluation, and observability.

🔗 **googlecloudplatform.github.io/agent-starter-pack/**

⚖️ Apache-2.0 license

🛡 Code of conduct

👥 Contributing

☆ **5.5k** stars   ⑂ **1.3k** forks   👁 **63** watching   ⑂ Branches   ⌁ Activity   ▤ Custom properties

🏷 Tags

🌐 Public repository

⑂ main ▾   ⑂ **479** Branches   🏷 **56** Tags   ⑂   🏷 | Go to file t | Go to file   Add file ✛   Code

👤 **eliasecchig** fix: remove md file (#678) ✓		becc70f · 4 hours ago	🕑
📁 .cloudbuild	feat: migrate from mypy to ty for type checking …		2 weeks ago
📁 .github/workflows	Remove package installation step from workflo…		2 weeks ago
📁 agent_starter_pack	fix: support A2A root agents remote templating …		9 hours ago
📁 docs	build(deps-dev): bump preact from 10.26.5 to 1…		9 hours ago
📁 tests	fix: support A2A root agents remote templating …		9 hours ago
📄 .gitignore	feat: migrate from mypy to ty for type checking …		2 weeks ago
📄 CODE_OF_CONDUCT.md	Initial commit		11 months ago
📄 CONTRIBUTING.md	feat: migrate from mypy to ty for type checking …		2 weeks ago
📄 GEMINI.md	feat: migrate from mypy to ty for type checking …		2 weeks ago
📄 LICENSE	Initial commit		11 months ago
📄 Makefile	feat: migrate from mypy to ty for type checking …		2 weeks ago
📄 README.md	Update link for Remote Templates section in RE…		2 days ago
📄 llm.txt	feat: update all agents to use gemini-3-flash-pr…		3 weeks ago
📄 pyproject.toml	chore: bump version to 0.29.4 (#677)		7 hours ago
📄 uv.lock	chore: bump version to 0.29.4 (#677)		7 hours ago

🚀 Agent Starter Pack

pypi v0.29.4   1-Minute Overview   Documentation   🔥 Try in Firebase Studio   Launch in Cloud Shell   ⊙ Stars 5.5k

A Python package that provides **production-ready templates** for GenAI agents on Google Cloud.

Focus on your agent logic—the starter pack provides everything else: infrastructure, CI/CD, observability, and security.

📖 **README**	🛡 Code of conduct	👥 Contributing	⚖️ Apache-2.0 license	✏️ ▤

Pre-built agent templates (ReAct, RAG, multi-agent, Live API).	Vertex AI evaluation and an interactive playground.	Production-ready infra with monitoring, observability, and CI/CD on Cloud Run or Agent Engine.	Extend and customize templates according to your needs. 🆕 Now integrating with Gemini CLI

⚡ Get Started in 1 Minute

From zero to production-ready agent in 60 seconds using <u>uv</u> :

```
uvx agent-starter-pack create
```

▶ 🌟 Alternative: Using pip

That's it! You now have a fully functional agent project—complete with backend, frontend, and deployment infrastructure—ready for you to explore and customize.

🔧 Enhance Existing Agents

Already have an agent? Add production-ready deployment and infrastructure by running this command in your project's root folder:

```
uvx agent-starter-pack enhance
```

See [Installation Guide](#) for more options, or try with zero setup in [Firebase Studio](#) or [Cloud Shell](#).

🤖 Agents

Agent Name	Description
`adk_base`	A base ReAct agent implemented using Google's [Agent Development Kit](#)
`adk_a2a_base`	An ADK agent with [Agent2Agent (A2A) Protocol](#) support for distributed agent communication and interoperability
`agentic_rag`	A RAG agent for document retrieval and Q&A. Supporting [Vertex AI Search](#) and [Vector Search](#).
`langgraph_base`	A base ReAct agent implemented using LangChain's [LangGraph](#)
`adk_live`	A real-time multimodal RAG agent powered by Gemini, supporting audio/video/text chat

More agents are on the way! We are continuously expanding our [agent library](#). Have a specific agent type in mind? [Raise an issue as a feature request!](#)

🔍 ADK Samples

Looking to explore more ADK examples? Check out the [ADK Samples Repository](#) for additional examples and use cases demonstrating ADK's capabilities.

🌟 Community Showcase

Explore amazing projects built with the Agent Starter Pack!
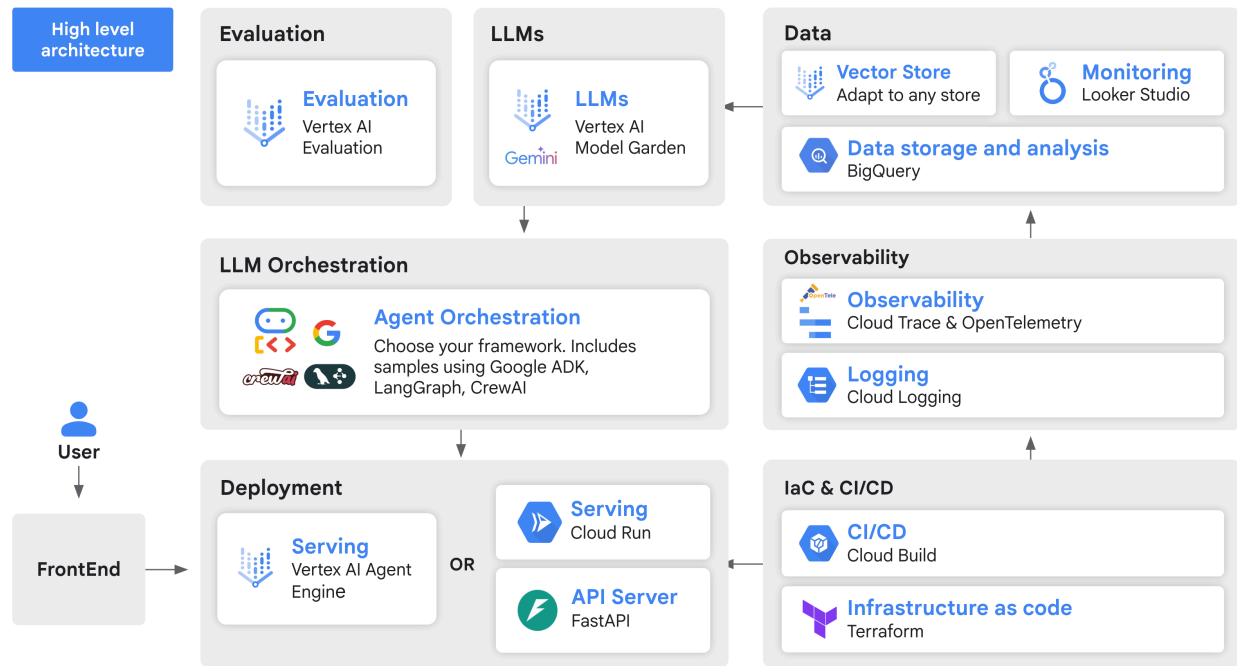
[View Community Showcase →](#)

Key Features

The `agent-starter-pack` offers key features to accelerate and simplify the development of your agent:

- 🔄 [CI/CD Automation](#) - A single command to set up a complete CI/CD pipeline for all environments, supporting both **Google Cloud Build** and **GitHub Actions**.
- ⛏️ [Data Pipeline for RAG with Terraform/CI-CD](#) - Seamlessly integrate a data pipeline to process embeddings for RAG into your agent system. Supporting [Vertex AI Search](#) and [Vector Search](#).
- [Remote Templates](#): Create and share your own agent starter packs templates from any Git repository.
- 🤖 **Gemini CLI Integration** - Use the [Gemini CLI](#) and the included `GEMINI.md` context file to ask questions about your template, agent architecture, and the path to production. Get instant guidance and code examples directly in your terminal.

High-Level Architecture

This starter pack covers all aspects of Agent development, from prototyping and evaluation to deployment and monitoring.

🔧 Requirements

- Python 3.10+
- Google Cloud SDK
- Terraform (for deployment)
- Make (for development tasks)

📚 Documentation

Visit our documentation site for comprehensive guides and references!

🔍 **New to the codebase?** Explore the CodeWiki for AI-powered code understanding and navigation.

- Getting Started Guide - First steps with agent-starter-pack
- Installation Guide - Setting up your environment
- Deployment Guide - Taking your agent to production
- Agent Templates Overview - Explore available agent patterns
- CLI Reference - Command-line tool documentation

Video Walkthrough:

- Exploring the Agent Starter Pack: A comprehensive tutorial demonstrating how to rapidly deploy AI Agents using the Agent Starter Pack, covering architecture, templates, and step-by-step deployment.

- 6-minute introduction (April 2024): Explaining the Agent Starter Pack and demonstrating its key features. Part of the Kaggle GenAI intensive course.

Looking for more examples and resources for Generative AI on Google Cloud? Check out the GoogleCloudPlatform/generative-ai repository for notebooks, code samples, and more!

Contributing

Contributions are welcome! See the Contributing Guide.

Feedback

We value your input! Your feedback helps us improve this starter pack and make it more useful for the community.

Getting Help

If you encounter any issues or have specific suggestions, please first consider [raising an issue](#) on our GitHub repository.

Share Your Experience

For other types of feedback, or if you'd like to share a positive experience or success story using this starter pack, we'd love to hear from you! You can reach out to us at agent-starter-pack@google.com.

Thank you for your contributions!

Disclaimer

This repository is for demonstrative purposes only and is not an officially supported Google product.

Terms of Service

The agent-starter-pack templating CLI and the templates in this starter pack leverage Google Cloud APIs. When you use this starter pack, you'll be deploying resources in your own Google Cloud project and will be responsible for those resources. Please review the [Google Cloud Service Terms](#) for details on the terms of service associated with these APIs.

Releases 51

🏷️ **v0.29.4** (Latest)
7 hours ago

+ 50 releases

Contributors 17

+ 3 contributors

Deployments 95

✅ **github-pages** 9 hours ago

✅ **release** 7 hours ago

+ 93 deployments

Languages

● Python 65.2%　　● Jupyter Notebook 16.8%　　● HCL 8.3%　　● TypeScript 5.9%　　● SCSS 1.4%　　● Makefile 1.2%　　● Other 1.2%