

Publishing an Agent to Agent Marketplace

Requirements

- `swarms-cloud` package with `pip3 install -U swarms-cloud`
- Onboarding Process with `swarms-cloud onboarding`
- A Dockerfile `Dockerfile` containing the API of your agent code with FastAPI
- A YAML file for configuration `agent.yaml`

Deployment YAML

```yaml

#### # Agent metadata and description

agent\_name: "example-agent" # The name of the agent

description: "This agent performs financial data analysis." # A brief description of the agent's purpose

version: "v1.0" # The version number of the agent

author: "Agent Creator Name" # The name of the person or entity that created the agent

contact\_email: "creator@example.com" # The email address for contacting the agent's creator

tags:

- "financial" # Tag indicating the agent is related to finance
- "data-analysis" # Tag indicating the agent performs data analysis
- "agent" # Tag indicating this is an agent

# Deployment configuration

deployment\_config:

# Dockerfile configuration

dockerfile\_path: "./Dockerfile" # The path to the Dockerfile for building the agent's image

dockerfile\_port: 8080 # The port number the agent will listen on

# Resource allocation for the agent

resources:

cpu: 2 # Number of CPUs allocated to the agent

memory: "2Gi" # Memory allocation for the agent in gigabytes

max\_instances: 5 # Maximum number of instances to scale up to

min\_instances: 1 # Minimum number of instances to keep running

timeout: 300s # Request timeout setting in seconds

# Autoscaling configuration

autoscaling:

max\_concurrency: 80 # Maximum number of requests the agent can handle concurrently

target\_utilization: 0.6 # CPU utilization target for auto-scaling

# Environment variables for the agent

environment\_variables:

DATABASE\_URL: "postgres://user:password@db-url" # URL for the database connection

API\_KEY: "your-secret-api-key" # API key for authentication

LOG\_LEVEL: "info" # Log level for the agent

# Secrets configuration

secrets:

SECRET\_NAME\_1: "projects/my-project/secrets/my-secret/versions/latest" # Path to a secret

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