

Piglet Deployment Process



AI Overview

Piglet can be deployed via Docker Compose for multi-container setups, installed locally on Windows, or used to deploy web applications through Piglet Run.

- Docker Compose Deployment**
For a full Piglet system deployment, a multi-container architecture is used, typically including the main Piglet application container (k3nd0x/piglet:latest) and a MariaDB database container (mariadb:11.1.2). The steps are:
System Requirements: Ensure Docker and Docker Compose are installed and the system meets Piglet's prerequisites.
Configuration: Create a .env file with database credentials and optional email settings.
Compose File: Use docker-compose.yml to define the two primary services.
Deployment: Run docker-compose up -d to start the containers.
Verification: Confirm both piglet and piglet-db containers are in an "Up" state and healthy.
- Local Windows Installation**
Piglet can also be installed on a Windows machine for desktop automation tasks:
Installation: Use a PowerShell script to install Piglet and add the executable to your PATH.
Starting Piglet: Launch the Piglet service locally or connect via the Pig Python SDK.
Remote Use: Optionally, subscribe to Pig cloud for remote automation tasks.
- Web Application Deployment via Piglet Run**
Piglet Run supports deploying static sites and web applications in multiple languages:
Static Sites: Use pig deploy ./my-site or deploy from a Git repository with pig deploy --name my-site.
Node.js Applications: Navigate to your project directory and run pig deploy --type nodejs, optionally specifying a custom port.
Python Applications: Supports Flask, Django, and FastAPI with similar deployment commands.
Configuration: Create a piglet.yml file in your project to define deployment settings.

Summary
The deployment process depends on your environment and use case:
Use Docker Compose for a full multi-container setup with database integration.
Use Windows installation for local desktop automation and API access.
Use Piglet Run for deploying web applications quickly from local directories...

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The document describes a computer program called PIGLET that analyzes the load-deformation response of pile groups under general loading conditions. PIGLET

Getting Started | k3nd0x/piglet | DeepWiki

This document provides a complete guide for setting up and deploying Piglet from initial installation through first use. It covers the deployment

Development Guide | k3nd0x/piglet | DeepWiki

Development Environment Overview Piglet is a multi-service web application built with Flask and FastAPI, designed for containerized deployment. The development environment mirrors the

PIGLET Pile Group Analysis Manual

Piglet 6-2 Manual-June 2021 - Free download as PDF File (.pdf), Text File (.txt) or read online for free. This document describes the computer program PIGLET,

Deployment & Operations | k3nd0x/piglet | DeepWiki

This document covers the deployment architecture, CI/CD pipeline, and operational aspects of the Piglet budgeting application. It provides an overview of how Piglet is packaged, deployed, and managed in

Process Management | k3nd0x/piglet

Overview Piglet uses supervisord as its process supervisor to manage multiple services within a single Docker container. This approach simplifies deployment while providing robust process monitoring,

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GitHub is where pigletdeployment builds software. Joined May 16, 2025 Block or report pigletdeployment Block user

System Architecture | k3nd0x/piglet | DeepWiki

This document provides a comprehensive overview of Piglet's system architecture, including the deployment model, service orchestration, technology stack, and inter-service communication

CI/CD Pipeline | k3nd0x/piglet | DeepWiki

This document covers Piglet's automated Continuous Integration and Continuous Deployment (CI/CD) pipeline implemented through GitHub Actions. The pipeline handles automated Docker image

Contact Us

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