

THE PI AGENT (PI.DEV): A PRACTICAL INTRODUCTION

VideoRAMS online course



DURATION

1 week

PRICE

Free (test)

START

2026-11-20

The pi agent (pi.dev) is an artificial intelligence tool created by Earendil-Works to program inside the terminal. Its philosophy is to be minimal and extensible: the core can only read files, run shell commands, edit and write files, and manage sessions; everything else is added with extensions, skills, prompt templates and themes. It works with an agent loop: it receives the user's request, sends it to a language model, runs the tools the model decides to use, returns the result to the model and repeats the process until the task is done. It supports more than 15 providers and hundreds of models (Anthropic, OpenAI, Google, Azure and others) and lets you switch models mid-session. Session history is stored as a browsable tree that can be exported to HTML or shared. It offers four usage modes: interactive (terminal UI), print/JSON (for scripts and events), RPC (protocol over stdin/stdout) and SDK (to embed it in applications). It is installed with npm and runs inside the project directory. It does not include sub-agents, planning mode or task lists out of the box: those capabilities are built with extensions or installed as packages. Because it has no built-in permission system, it is recommended to run it in a container or sandbox for tasks that touch the system.

Contents by chapters

1. What is the pi agent and how it works

Introduction to the pi agent: what it is, its minimal and extensible philosophy, how its agent loop works, its four usage modes and how to start using it from the terminal.

Method

Every course is attended by specialised AI agents, not by a generic language model. The student does not chat with just any chatbot: they work with agents that know the content, the vocabulary and the criteria of their course. An agent answers their questions about the material, a self-assessment judges their reasoning rather than their memory. The agents propose and challenge; the decision and the responsibility are always the person's.

Material and access

Each chapter includes a study document, a presentation with notes, images, audio and a narrated video, plus the AI chatbot and tutor and the self-assessment.