Cloud Contraptions
TRAINING & CONSULTING

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# Agentic Coding with Devin Desktop: Devin Local, Devin Cloud, and the Agent Command Center

## Class Duration

14 hours of live training delivered over 2-3 days to accommodate your scheduling needs.

## Student Prerequisites

- Professional software development experience in at least one language
- Working knowledge of Git and GitHub
- Comfort working in a VS Code-style editor
- A Devin account with access to Devin Desktop and Devin Cloud
- Prior use of Windsurf or another AI coding assistant is helpful

## Target Audience

Software engineers, tech leads, and platform teams who want to hand engineering work to Devin agents. Current Windsurf users will find their settings, extensions, and rules carried over. Teams still weighing editors can start with Choosing Your AI IDE.

## Description

Devin Desktop is Cognition's IDE, formerly Windsurf, with an agent manager built in. Devin Local works on your machine, and Devin Cloud runs long sessions on its own virtual machine. This course covers planning, multi-file edits, subagents, and worktrees, then handing work to the cloud. Students ground agents with `AGENTS.md`, rules, and skills, and extend them with MCP servers and hooks. The course ends with code review, permissions, and usage controls.

## Learning Outcomes

- Choose between Devin Local and Devin Cloud for a task.
- Manage local and cloud agents in the Agent Command Center.
- Pick a Devin Local mode for the supervision a task needs.

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- Plan changes in Plan mode and hand plans to Devin Cloud.
- Run subagents and worktree sessions in parallel.
- Ground agents with `AGENTS.md`, rules, and skills.
- Extend agents with MCP servers, plugins, and hooks.
- Launch Devin Cloud from Slack, Linear, Jira, and GitHub.
- Review changes with Quick Review and Devin Review.
- Set permissions, sandboxing, and usage controls for a team.

## Training Materials

Comprehensive courseware is distributed online at the start of class. All students receive a downloadable MP4 recording of the training.

## Software Requirements

Devin Desktop installed (macOS, Windows, or Linux), a Devin account with access to Devin Cloud, a GitHub account with the Devin GitHub integration connected, Git, and optional Slack, Linear, or Jira integrations.

## Training Topics

### Foundations of Agentic Coding with Devin

- The plan, act, observe loop
- The Devin product family
- From Windsurf to Devin Desktop
- Devin Local vs. Devin Cloud
- Keeping a human in the loop

### The Agent Command Center

- The default agent surface
- Board and list views
- The agent sidebar and child sessions
- Grouping work with Spaces
- Queued messages and notifications
- Switching to the full IDE

### Devin Local in the Editor

- Multi-step, multi-file tasks
- Running commands and installing dependencies
- Ask, Plan, Code, and Smart modes

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- Bypass Permissions mode
- The Adaptive model router
- Fusion lead and sidekick models
- Fast Context and `.devinignore`
- Tab, Command, and the terminal

### Planning and Decomposition

- Plan mode and clarifying questions
- Markdown plan files
- Reviewing and implementing a plan
- Agent-sized tasks with acceptance criteria
- Handing a plan to Devin Cloud

### Subagents, Worktrees, and Parallel Work

- Foreground and background subagents
- Custom subagents as Markdown files
- Sessions in Git worktrees
- Merging worktree changes back
- Parallel sessions without conflicts

### Grounding Agents in Context

- `AGENTS.md` and `AGENTS.local.md`
- Rules in `.devin/rules/`
- Rule triggers
- Global rules in `~/.devin/`
- Imported Windsurf rules
- Agent Skills in `.devin/skills/`
- Invoking skills with slash commands
- Moving Windsurf memories to rules

### MCP, Plugins, and Hooks

- Adding MCP servers
- MCP config in `.devin/mcp_config.json`
- Project and user MCP scopes
- Transports and OAuth sign-in
- Plugins that bundle skills and hooks
- Lifecycle hooks in `.devin/hooks.v1.json`
- Blocking shell commands with hooks

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### Launching Devin Cloud Agents

- Devin Cloud virtual machines
- Starting from Slack, Linear, and Jira
- Starting from GitHub and the web
- Handing off with `/handoff` in Devin CLI
- Onboarding Devin Cloud with skills
- Moving Knowledge and Playbooks to skills
- Scheduled work with automations

### From Issue to Pull Request

- Writing agent-ready tickets
- Reviewing Devin’s branch and PR
- Iterating with PR comments
- When to take over locally

### Agentic Code Review

- Quick Review on local changes
- Devin Review on pull requests
- Bug Catcher findings
- Triggering reviews with `/devin review`
- Auto-Fix for review findings
- Humans as the merge gate

### Multi-Agent Workflows with ACP

- The Agent Client Protocol
- Running Codex and Claude Agent
- Gemini CLI, OpenCode, and Junie
- The local ACP registry
- Publishing a team registry
- Coordinating agents across Spaces

### Security, Governance, and Cost

- Allow, ask, and deny rules
- Approving MCP tool calls
- The OS-level sandbox
- Network allowlists and denylists
- Workspace trust and Restricted Mode
- Allowlisted models and MCP allowlists

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- SSO, SCIM, and role-based access
- Usage policies and budgets
- Quotas and on-demand credits
- ACU billing on Enterprise

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