Claude Digital Assistant Framework

Architecture Diagram — How Data Flows Between Interfaces

YOUR MAC (Local Machine)

CENTRAL HUB (Source of Truth)

`~/Claude-Assistant/`

knowledge/	templates/
projects/	sync/
context/	CLAUDE.md

Claude Code

(Terminal CLI)

Read & Write files

`via --add-dir`

Read/Write

Claude Desktop

(Desktop App)

Read files via MCP

"Filesystem" extension

Read

sync/ folder to iCloud

CLOUD SYNC LAYER

iCloud Drive	Google Drive	GitHub	Apple Calendar	Anthropic Cloud

Google Drive MCP

GitHub

iCloud + Calendar

GitHub + Anthropic

Claude.ai

(Web Browser)

- Projects + Memory
- Google Drive MCP
- Manual file uploads

No direct local access

Claude Code

(Browser "Code" Tab)

- GitHub repos only
- Runs on Anthropic Cloud
- Synced with iOS Code

No direct local access

Synced Sessions

Claude iOS App

Chat Mode

- Messages & Mail
- Calendar & Reminders
- Voice & Camera
- iCloud file access

Code Mode

- "Code" tab in app
- GitHub repos only
- Anthropic Cloud
- Synced w/ Browser

Legend:

☐ Local Mac Access	☐ Cloud/Browser	☐ iOS Mobile	☐ Cloud Services	⟷	Bidirectional data flow