

# KameleonCI: One-size-fits-most GitHub Actions for Drupal

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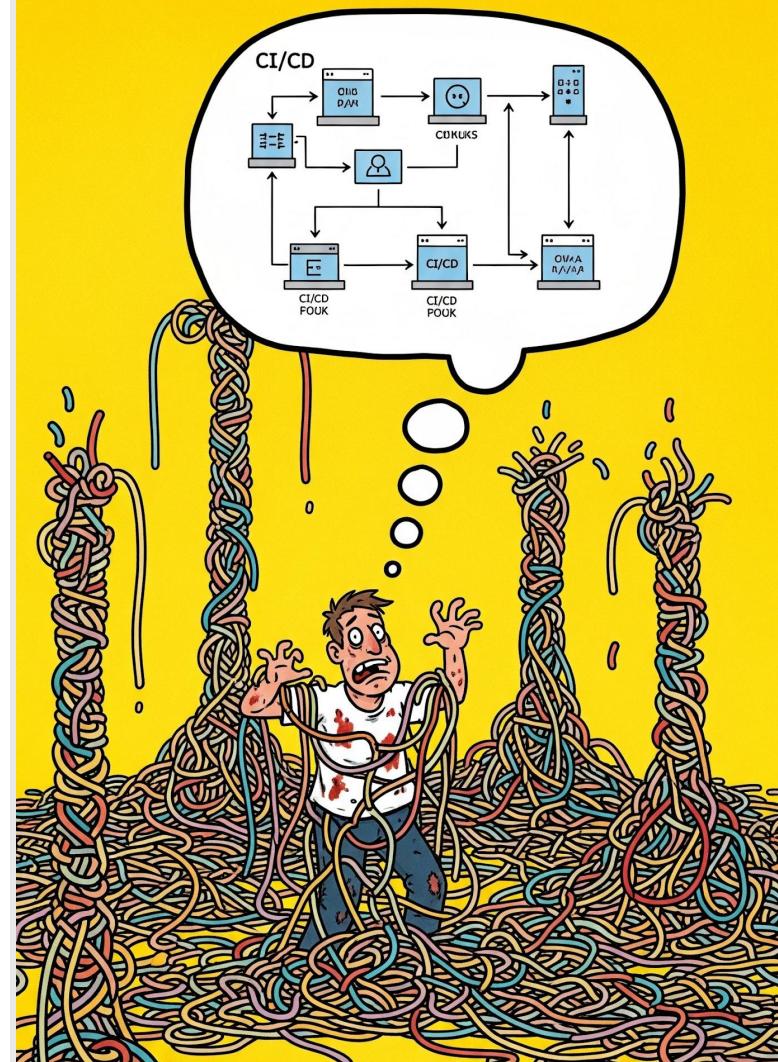
# Who is this guy?!?

- Here with the coding initiative. (red button pressed?)
- 20+ years coding in Japan → now in Canada
- Senior Architect and Developer Manager at Kalamuna
- Side quests: woodworking, 3D printing
- UltraBob on [drupal.org](https://drupal.org) for 18.5 years



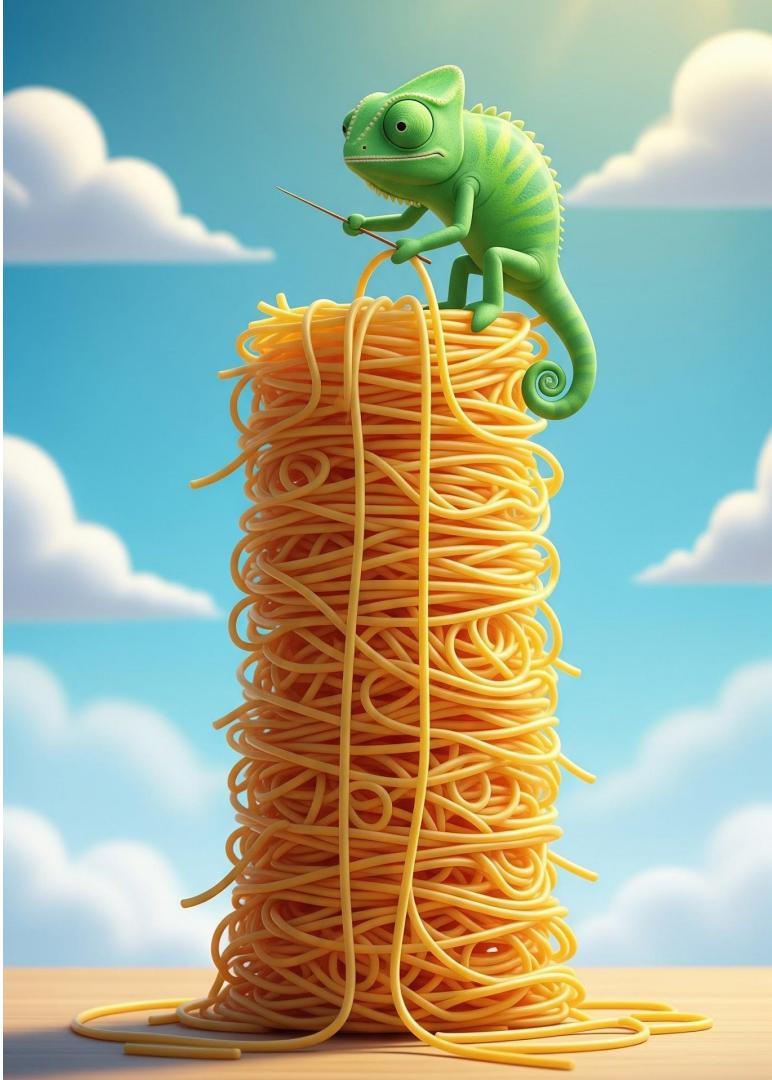
# What's the Pain?

- Pantheon, Acquia, Platform.sh → all different
- Docroots, Composer, Node, multidevs
- Multiply by multiple sites = headache 😱



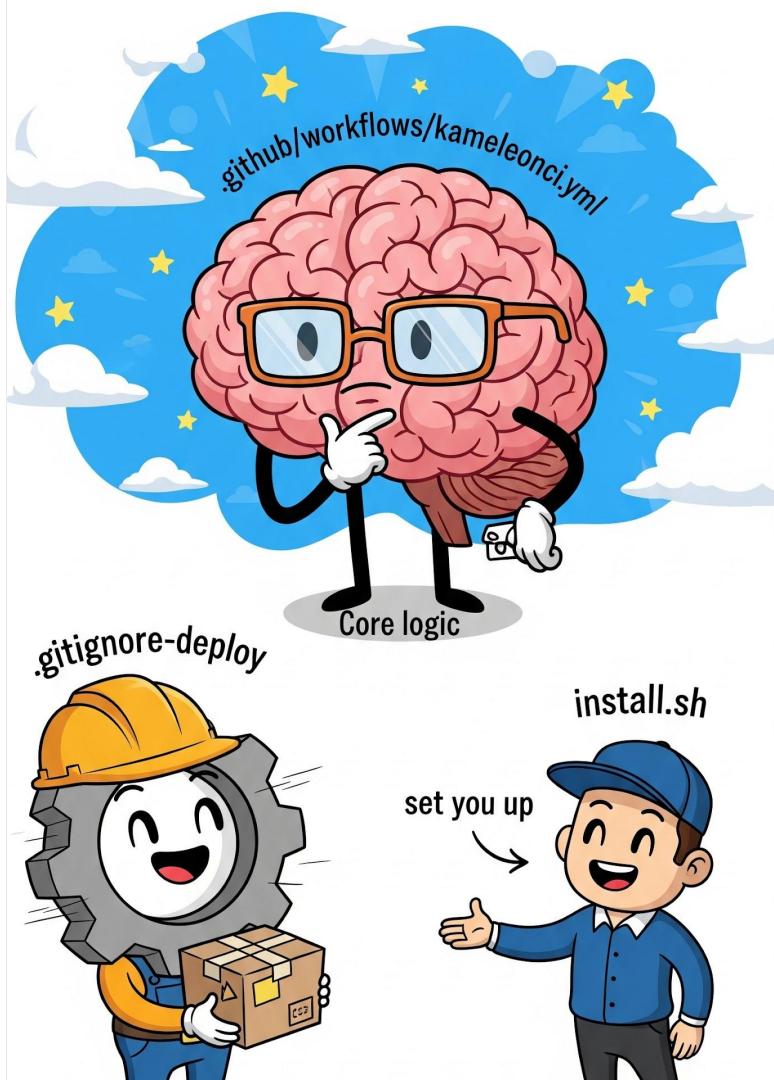
# One Workflow

- Detects host automatically
- Turns actions-side Composer & Node builds on/off
- Switches docroot smartly (web or docroot)
- Manages Pantheon multidevs automatically



# Meet the Cast

- 🧠 .github/workflows/kameleonci.yml → brains
- ➡️ .gitignore-deploy → allows in artifacts when building in CI
- ⚙️ install.sh → sets you up



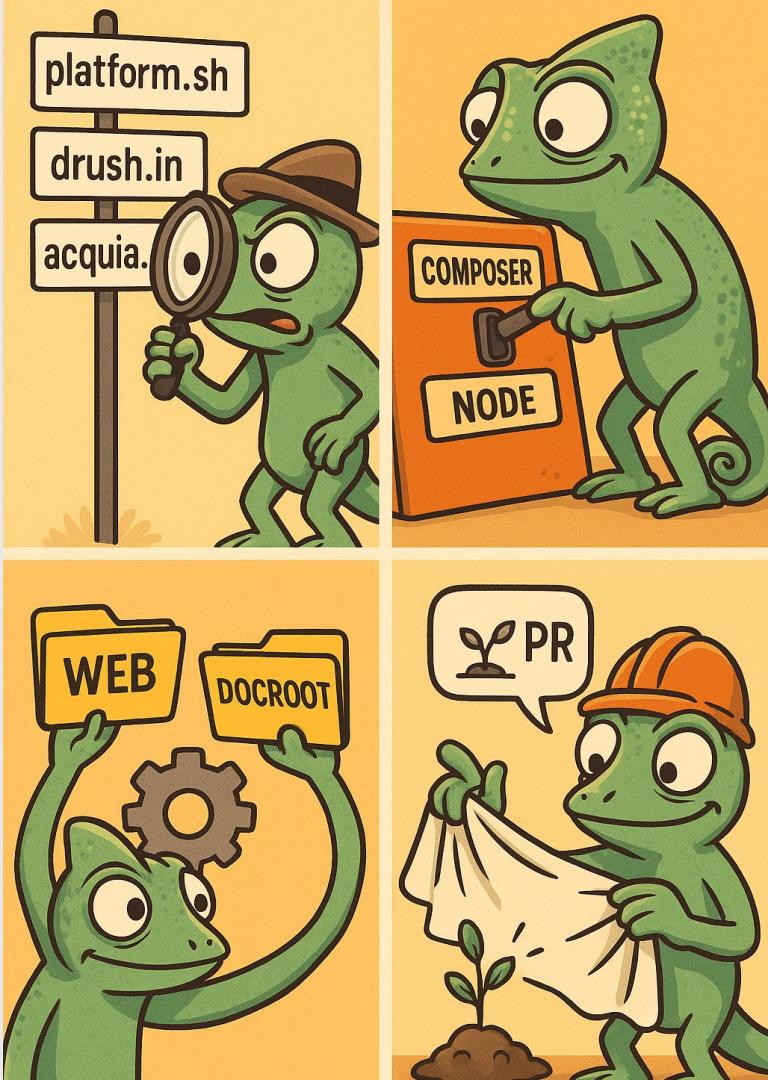
# Secrets & Vars

- Required: DEPLOY\_REPO, SSH\_KEY, SSH\_CONFIG, GIT\_NAME, GIT\_EMAIL
- Pantheon:
  - PANTHEON\_SITE\_NAME, PANTHEON\_MACHINE\_TOKEN
- GitHub → Actions → Secrets & Variables



# How It Works

- Detects host: Pantheon? Platform.sh?  
Acquia?
- CI build toggles: Actions-side Composer &  
Node intelligently used or skipped
- .gitignore-deploy swapped in for CI builds ->  
makes sure built assets get pushed.
- Pantheon multidevs created + cleaned up  
automatically



# What about Pantheon “Push to Pantheon”

## Action

Pantheon is currently in beta testing for two new capabilities:

- A GitHub App, designed for new sites, that integrates GitHub as a trusted source for a Pantheon site's codebase
- A GitHub action to allow easy push to Pantheon, including MultiDevs
- KameleonCI's purpose is supporting multiple hosts
- KameleonCI's Multidev support is currently a little more polished
  - Check for Available MultiDevs before creating and comment on PR instead of creating
  - Add MultiDev URL to PR once created
  - Auto deletion of MultiDev AND orphan branches on PR close/merge (Pantheon doesn't by default)
- We may incorporate Pantheon's action when it is released.

# Overrides for Weird Hosts

- Define Overrides step: force host, docroot, branch
- Works with any Git-based host
- “Because every org has That One Weird Host.”

```
• # ---- Site-Specific Overrides
• # These can be used to define overrides for specific hosts
• - name: Define Overrides for a specific host
•   id: overrides
•   run: |
•     . . . . HOST=' '
•     . . . . HOST_DOCROOT=' '
•     . . . . CI_COMPOSER=' '
•     . . . . CI_NODE=' '
•     . . . . TERMINUS=' '
•     . . . . REMOTE_PRIMARY=' '
•     . . . . MULTIDEV=' '      "Mu
•     . . . . NODE_TESTS=' '
```

# Demo Time!

The screenshot shows a GitHub Actions workflow named 'kameleontest'. The workflow page has a sidebar on the left with various icons for repository management. The main content area displays the 'Preview' tab of the KameleonCI workflow. The workflow title is 'KameleonCI' with a lizard icon. It describes itself as a 'versatile GitHub Actions workflow for deploying Drupal projects to multiple hosting platforms'. A 'Quick Install' section provides a command to run in the root directory of a Drupal project's Git repository:

```
curl -O https://raw.githubusercontent.com/kalamuna/kameleonci/main/install.sh  
chmod +x install.sh  
./install.sh
```

An important note states: 'Important: On the first push, KameleonCI will perform a force push to ensure the contents of both repositories match. After a successful'

New repo → install.sh → add secrets → push → PR → workflow runs:

- Host detected -> Overrides considered -> host-specific special sauce applied -> site deploys

# Current Support

- **Acquia**: docroot switch + Composer/Node
- **Platform.sh**: Node only, Composer skipped
- **Pantheon**: branch checks + auto multidevs

## Coming Soon

- **amazee.io**
- Seeking new convenience features
- Automated testing.
- Release as an Action?

**PANTHEON**

**platform.sh**

**ACQUIA**

**COMING SOON**

**amazee.io**

Grab It!

**<https://github.com/kalamuna/kameleonci>**



*KameleonCI*

**Fork it, break it, send PRs!**



# Q&A

- Open for questions and suggestions
- Horror stories welcome
- What would you like it to do?



**Thank you :)**