



Customizing GitHub-hosted runners

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You can install additional software on GitHub-hosted runners as a part of your workflow.

If you require additional software packages on GitHub-hosted runners, you can create a job that installs the packages as part of your workflow.

To see which packages are already installed by default, see "<u>Using GitHub-hosted</u> runners."

This guide demonstrates how to create a job that installs additional software on a GitHub-hosted runner.

Installing software on Ubuntu runners @

The following example demonstrates how to install an apt package as part of a job.

```
name: Build on Ubuntu
on: push

jobs:
  build:
    runs-on: ubuntu-latest
    steps:
    - name: Check out repository code
        uses: actions/checkout@v4
    - name: Install jq tool
        run: |
            sudo apt-get update
            sudo apt-get install jq
```

Note: Always run sudo apt-get update before installing a package. In case the apt index is stale, this command fetches and re-indexes any available packages, which helps prevent package installation failures.

Installing software on macOS runners &

The following example demonstrates how to install Brew packages and casks as part of a job.

```
name: Build on macOS
on: push
jobs:
```

```
build:
    runs-on: macos-latest
    steps:
        - name: Check out repository code
        uses: actions/checkout@v4
        - name: Install GitHub CLI
        run: |
            brew update
            brew install gh
        - name: Install Microsoft Edge
        run: |
            brew update
            brew install --cask microsoft-edge
```

Installing software on Windows runners &

The following example demonstrates how to use <u>Chocolatey</u> to install the GitHub CLI as part of a job.

```
name: Build on Windows
on: push
jobs:
build:
runs-on: windows-latest
steps:
- run: choco install gh
- run: gh version
```

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