

Sección: Evidencia de ejecución del pipeline CI/CD DevSecOps

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Objetivo de esta sección

Demostrar que el pipeline CI/CD implementado:

- se ejecuta correctamente en GitHub Actions
- aplica controles automáticos de calidad y seguridad
- bloquea el despliegue cuando hay errores (gates)
- permite avanzar solo cuando todo está correcto

Esto valida el enfoque DevSecOps exigido en la tarea.

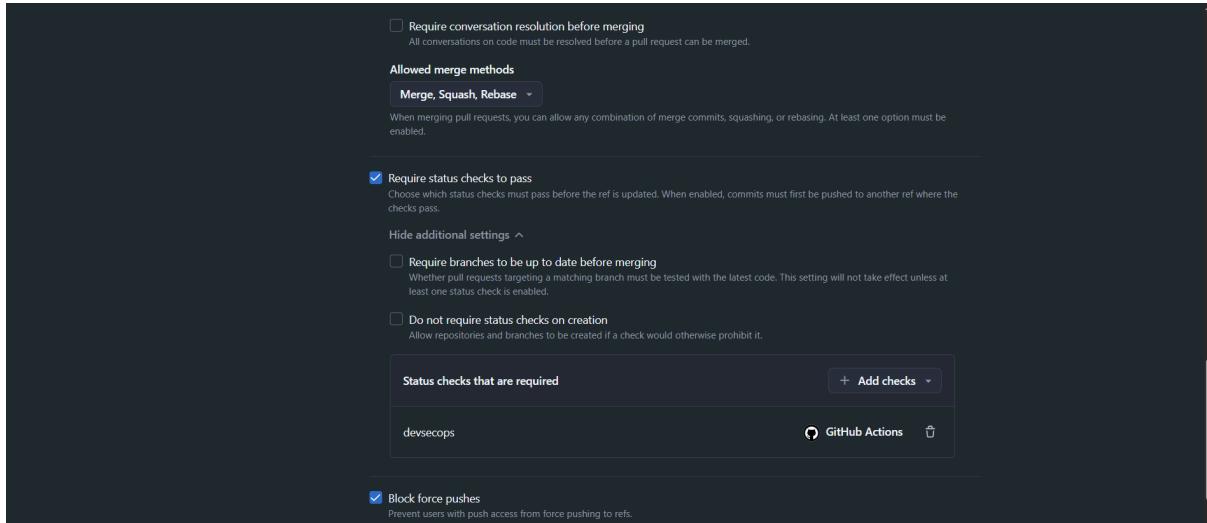
Branch Protection Rules (Required Checks)

The screenshot shows the GitHub settings interface for a repository named 'DevSecOpsP2'. The user is navigating to 'Rulesets / New branch ruleset'. On the left, there's a sidebar with sections like General, Access, Collaborators, Moderation options, Code and automation (with sub-options for Branches, Tags, Rules, Actions, Models, Webhooks, Copilot, Environments, Codespaces, and Pages). The 'Rules' section is currently selected. In the main area, there's a box titled 'Protect your most important branches' with a sub-section for 'Rulesets' explaining what they do. A 'Ruleset Name' input field contains 'devsecops-main'. Below it, 'Enforcement status' is set to 'Disabled'. A 'Bypass list' section shows a message 'Bypass list is empty'.

Configuración aplicada

Se configuró protección de la rama main con:

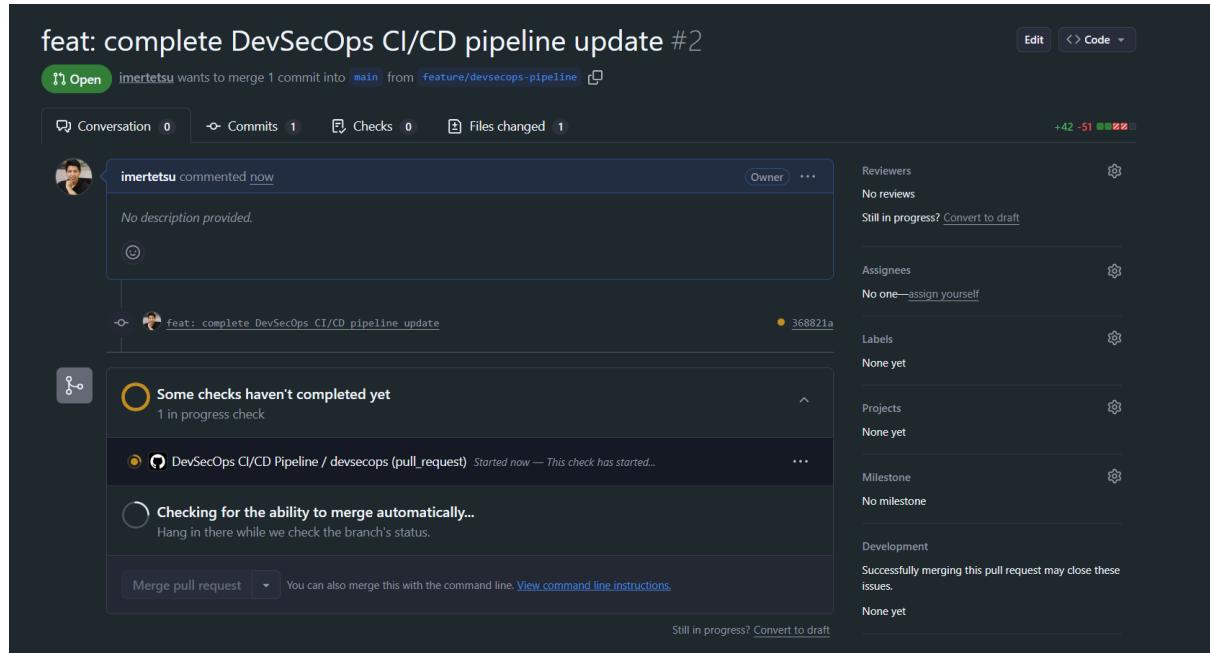
- Require pull request before merging
- Require status checks to pass
- Required check: devsecops workflow



Esto garantiza que:

- nadie puede hacer push directo a `main`
- todo cambio debe pasar por el pipeline
- el pipeline actúa como mecanismo obligatorio de control

Ejecución fallida del pipeline (gate de calidad/seguridad)



feat: complete DevSecOps CI/CD pipeline update #2

Open imertetsu wants to merge 1 commit into `main` from `feature/devsecops-pipeline`

Conversation 0 · Commits 1 · Checks 1 · Files changed 1 · +42 -51

imertetsu commented 15 minutes ago · Owner · ...
No description provided.

feat: complete DevSecOps CI/CD pipeline update · 368821a

All checks have failed · 1 failing check
DevSecOps CI/CD Pipeline / devsecops (pull_request)
No conflicts with base branch · Merging can be performed automatically.

Merge pull request · You can also merge this with the command line. · View command line instructions.

Reviewers · No reviews · Still in progress? Convert to draft

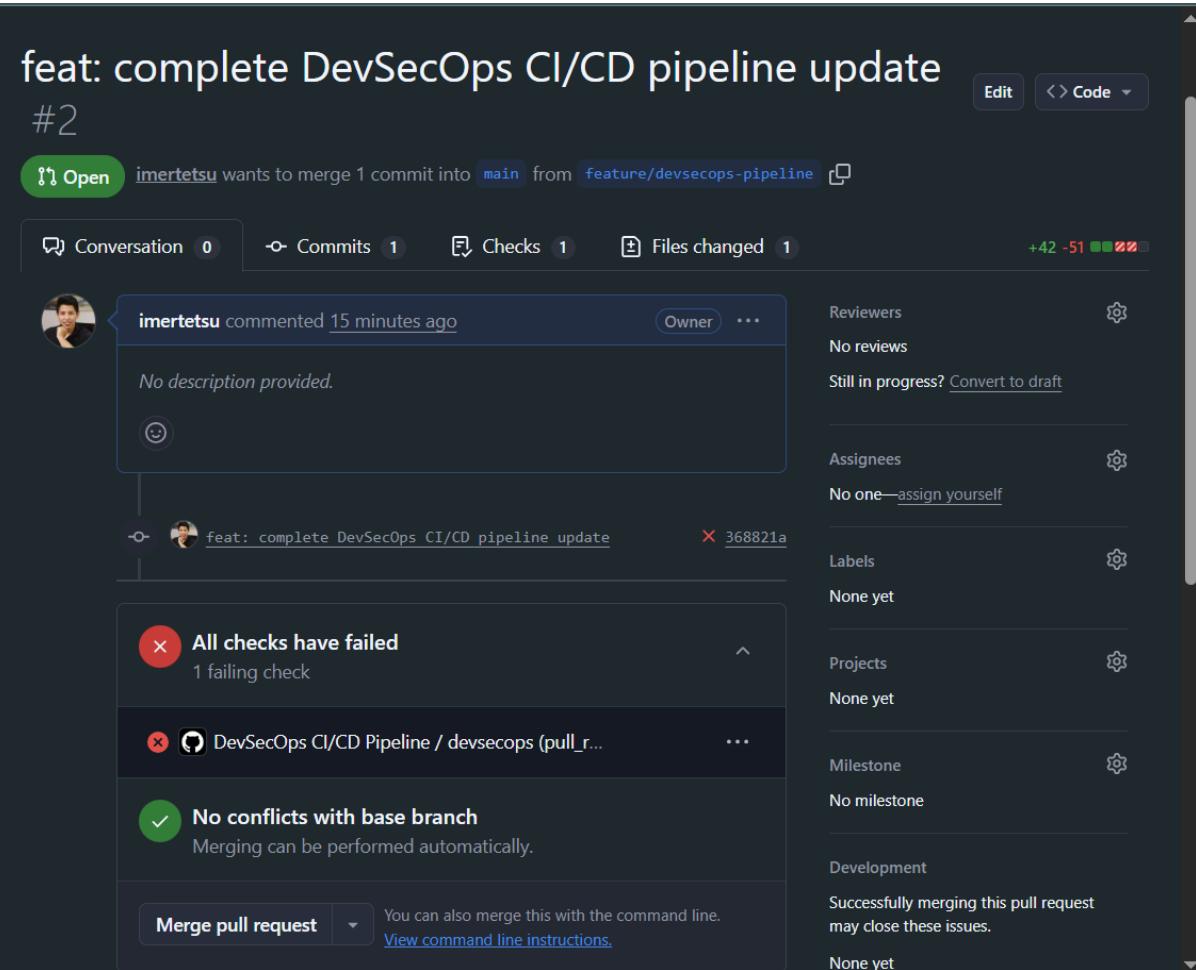
Assignees · No one · assign yourself

Labels · None yet

Projects · None yet

Milestone · No milestone

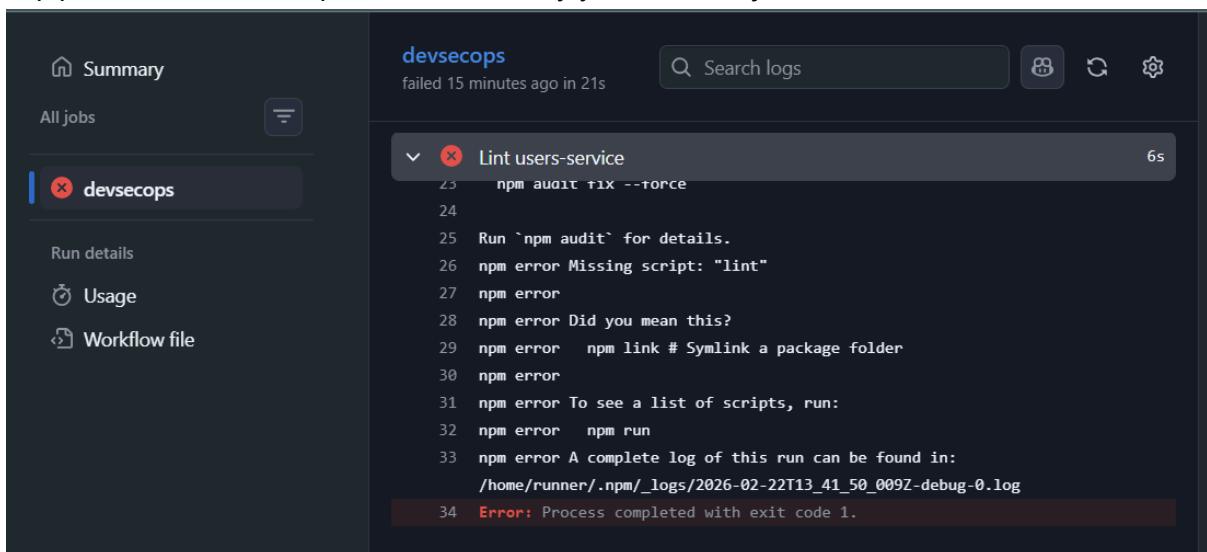
Development · Successfully merging this pull request may close these issues.
None yet



Se ejecutó el pipeline con un commit que contiene errores de ESLint

Resultado observado:

El pipeline falla en la etapa de Code Quality y detiene la ejecución.



The screenshot shows the GitHub Actions interface for a pipeline named "devsecops". The "Summary" section indicates that the pipeline failed 15 minutes ago in 21s. The "Logs" section displays the output of the "Lint users-service" step, which includes the following text:
23 npm audit fix --force
24
25 Run `npm audit` for details.
26 npm error Missing script: "lint"
27 npm error
28 npm error Did you mean this?
29 npm error npm link # Symlink a package folder
30 npm error
31 npm error To see a list of scripts, run:
32 npm error npm run
33 npm error A complete log of this run can be found in:
/home/runnner/.npm/_logs/2026-02-22T13_41_50_009Z-debug-0.log
34 Error: Process completed with exit code 1.

Ejecución exitosa del pipeline

The screenshot shows a GitHub pull request page for a repository named 'DevSecOpsP2'. The pull request is titled 'feat: complete DevSecOps CI/CD pipeline update #2' and is from the user 'imertetsu'. It has 10 commits. The commits are listed as follows:

- O feat: complete DevSecOps CI/CD pipeline updating packages lock (8bd141d) Milestone
- O feat: complete DevSecOps CI/CD pipeline updating eslint config (0c5b97d) No milestone
- O feat: complete DevSecOps CI/CD pipeline updating eslint (07defd2) Development
- O feat: complete DevSecOps CI/CD pipeline updating eslint (30bf509) Successfully merging this pull request may close these issues.
- O feat: complete DevSecOps CI/CD pipeline updating eslint front (a6249a6) None yet
- O updating devsecops dependency (2b732b2)
- O updating devsecops file for semgrep (53189e5)
- O updating devsecops file for security (2fd8bbb) Notifications Customize

Notifications section: You're receiving notifications because you authored the thread.

Participants: 1 participant (imertetsu)

Check status summary:

- All checks have passed (1 successful check)
- No conflicts with base branch (Merging can be performed automatically.)

Merge pull request button: You can also merge this with the command line. View command line instructions.

Se corrigieron los errores de lint/seguridad y se ejecutó nuevamente el pipeline.

Resultado observado: El pipeline completa todas las etapas exitosamente:

- Install
- Lint
- Tests
- SAST (Semgrep)
- SCA (npm audit)
- Docker build
- Trivy scan
- Smoke test / healthcheck

Link a Repositorio y ejecución en GitHub Actions:

Repo: <https://github.com/imertetsu/DevSecOpsP2>

GitHub Actions: <https://github.com/imertetsu/DevSecOpsP2/actions/runs/22279636991>

Conclusión de la evidencia

Las evidencias demuestran que el pipeline implementado:

- ejecuta controles automáticos de calidad, testing y seguridad
- bloquea integraciones defectuosas
- valida el despliegue con pruebas de salud
- impone políticas de protección en la rama principal

Por lo tanto, el sistema cumple con un flujo CI/CD DevSecOps funcional y seguro, alineado con los requerimientos de la tarea.