Jacamar CI v0.30.0

- *Release*: v0.30.0
- *Date*: October 1, 2026

Important

This release contains a fix for `CVE-2026-107589` and it is highly recommended that you update your deployments as soon as possible.

Security Fixes

- Improve GitLab bot check and associated warnings (!701)
  - Any version of Jacamar CI before v0.30.0 is affected when used with GitLab Server v13.11 or later, or with v13.10 when the *allow_projects_to_create_service_accounts* feature flag is enabled. Authenticated users can create and leverage Service Accounts to trigger CI/CD jobs. Before this release, Jacamar CI did not adequately check for arbitrarily named bot accounts, a newer server-side feature. GitLab does not provide a server-side mechanism to limit these accounts. This release provides a more reliable way to identify and prevent these accounts from being used.
  - ```
    Preparing the "custom" executor
    Bot account token used for job, unsupported by runner
    Error encountered during job: you are currently unauthorized to use this runner
    (refer to system logs for additional details)
    ERROR: Preparation failed: exit status 2
    ```
  - If you are unable to upgrade and apply this fix, you can achieve a similar workflow with a RunAs validation script. This lets your validation script reject jobs triggered by bot accounts.
    ```

- ```
  #!/bin/bash

  # RunAs Validation Script
  #   https://ecp-ci.gitlab.io/docs/admin/jacamar/auth.html#runas-user

  set -euo pipefail

  json_error() {
    local msg="$1"
    jq -cn --arg error_message "$msg" '{error_message: $error_message}'
    exit 1
  }

  require_var() {
    local name="$1"
    if [[ -z "${!name:-}" ]]; then
      json_error "Required environment variable '${name}' is not set"
    fi
  }

  # The GitLab API token must be created by you with read_api permissions to
  # all potential projects that will utilize your runner. The best option would
  # be to inject them into the file (or load them from another). The user
  # responsible for Jacamar CI execution will be the run using this script.
  #   GITLAB_API_TOKEN=???
  #   GITLAB_SERVER_URL=???
  require_var GITLAB_API_TOKEN
  require_var GITLAB_SERVER_URL

  # These will be provided by Jacamar to the validation script.
  require_var JWT_PROJECT_ID
  require_var JWT_JOB_ID
  require_var JWT_USER_LOGIN

  command -v curl >/dev/null 2>&1 || json_error "curl is required but not installed"
  command -v jq   >/dev/null 2>&1 || json_error "jq is required but not installed"

  API_URL="${GITLAB_SERVER_URL%/}/api/v4/projects/${JWT_PROJECT_ID}/jobs/${JWT_JOB_ID}"

  RESPONSE="$(
    curl --silent --show-error \
      --write-out $'\n%{http_code}' \
      --header "PRIVATE-TOKEN: ${GITLAB_API_TOKEN}" \
      "${API_URL}"
  )" || json_error "Failed to contact GitLab API at '${API_URL}'"

  HTTP_CODE="$(printf '%s\n' "${RESPONSE}" | tail -n1)"
  BODY="$(printf '%s\n' "${RESPONSE}" | sed '$d')"

  if [[ "${HTTP_CODE}" -lt 200 || "${HTTP_CODE}" -ge 300 ]]; then
    if printf '%s' "${BODY}" | jq empty >/dev/null 2>&1; then
      BODY="$(printf '%s' "${BODY}" | jq -c .)"
    fi
    json_error "GitLab API request failed with HTTP ${HTTP_CODE}: ${BODY}"
  fi

  printf '%s' "${BODY}" | jq empty >/dev/null 2>&1 || json_error "GitLab API returned
  invalid JSON"
  ```
  ```

```
BOT_VALUE="$(printf '%s' "${BODY}" | jq -r '.user.bot')"
USERNAME="$(printf '%s' "${BODY}" | jq -r '.user.username')"

if [[ "${BOT_VALUE}" != "false" ]]; then
  json_error "GitLab job '${JWT_JOB_ID}' was triggered by a bot"
fi

if [[ "${USERNAME}" != "${JWT_USER_LOGIN}" ]]; then
  json_error "JWT_USER_LOGIN '${JWT_USER_LOGIN}' does not match GitLab username
'${USERNAME}'"
fi

jq -cn --arg username "${USERNAME}" '{username: $username}'
exit 0
```

User Changes

- Allow corrected `JACAMAR_NO_BASH_PROFILE` without admin configuration (!696, !702)

Admin Changes

- `GIT_ASKPASS` corrections and global config override (!693)

Bug & Development Fixes

- Correct message formatting for batch script monitoring (!692)
- Add `make pav-compose-slurm` test support (!695, !690)
- Upgrade Flux test image to *v0.88.0* (!691)
- Bump `gitlab.com/ecp-ci/gljobctx-go` to *v0.12.1* (!697)