Did you know?

We only have **500 build mins per months** for BitBucket Pipelines (CI/CD)
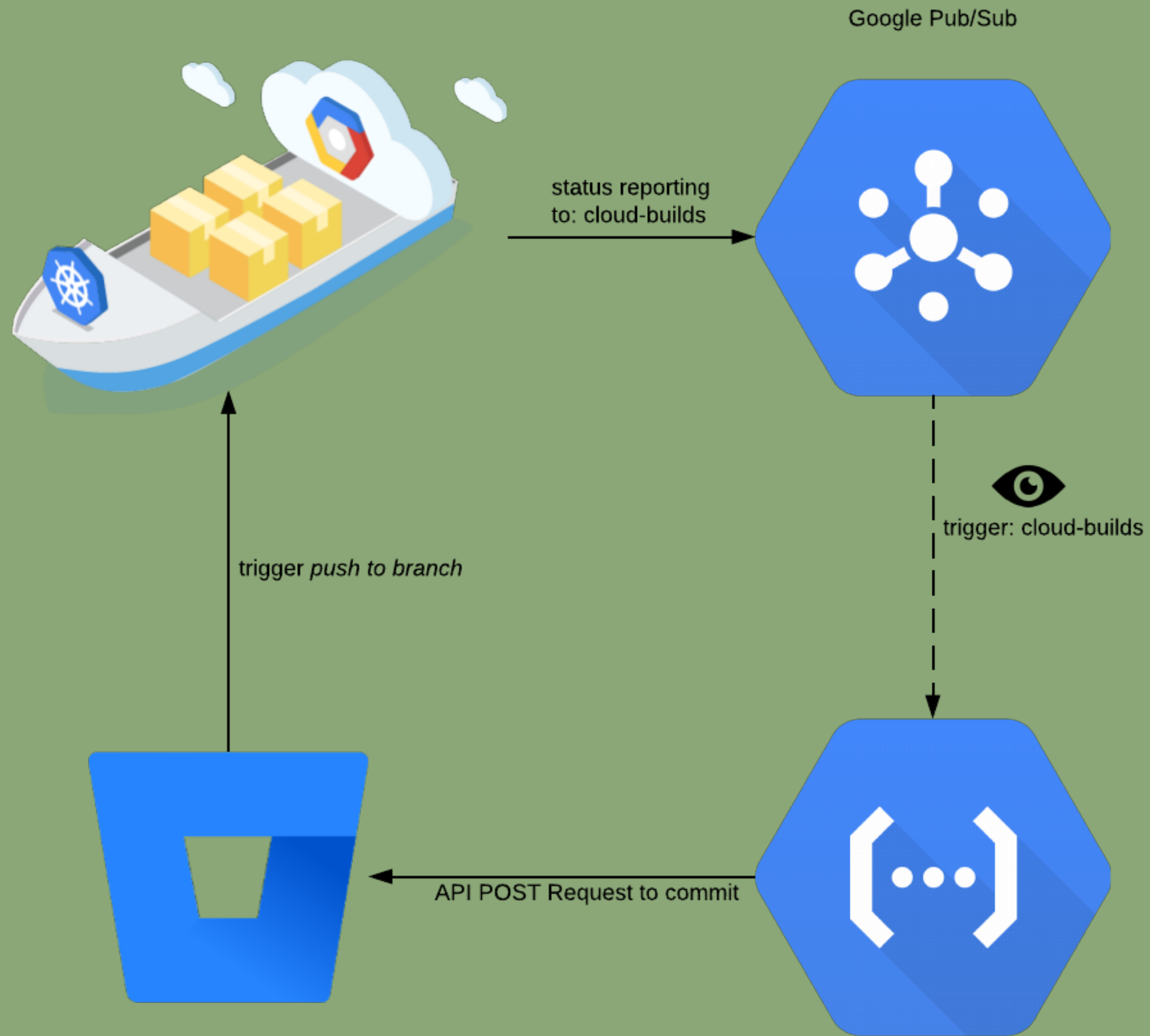
In comes cloud build

- Still CI/CD

- Triggers can be set to Repository Sources such as BitBucket, GitHub, etc.

- Native to Google Cloud Platform, means no need to specify service accounts, etc.

Reporting from cloud build

1. Create trigger that listens push to target to branch for example (every branch other than develop, staging and master)

2. Run test step

3. Use Pub/Sub that listens to the cloud-builds trigger

4. Use Google Cloud Functions that gets triggered by the cloud-builds Pub/Sub event

5. Report status via GCF to BitBucket via the BitBucket API

Google Pub/Sub

status reporting
to: cloud-builds

trigger: cloud-builds

trigger *push to branch*

API POST Request to commit

For example, testing branches

/cloud-build/test-branch.yaml

```yaml
steps:
  # Install Backend
  - name: "gcr.io/cloud-builders/npm:node-10.10.0"
    args: ["install"]

  # Test Backend
  - name: "gcr.io/cloud-builders/npm:node-10.10.0"
    args: ["test"]

  # Install Frontend
  - name: "gcr.io/cloud-builders/npm:node-10.10.0"
    args: ["install"]
    dir: frontend

  # Test Frontend
  - name: "gcr.io/cloud-builders/npm:node-10.10.0"
    args: ["run", "tefrontendst:ci"]
    dir:
```