

Working with continuous integration (CI)

Phrase is designed to give you flexibility when it comes to customization. This article shows a few example integrations.

How can I download my strings into a CI environment?

We offer an open-source CLI client that runs on Linux, macOS and Windows. If you want to synchronize your translation from within your CI environment, follow these steps:

- 1) Create a `.phraseapp.yml` configuration file.
- 2) Add a new bash script or step to your CI.

To upload new strings into Phrase, add this command to your script:

```
#!/bin/bash  
  
# upload new strings to Phrase as configured in the .phraseapp.yml  
  
phraseapp push
```

The relevant parameters are listed in the linked section:

Make sure to set `update_translation` or `update_description` if you intend to not only add new values, but also update existing values.

To download translated strings into your current workspace, try something like this:

```
#!/bin/bash  
  
# get new strings from PhraseApp as configured in the .phraseapp.yml  
  
phraseapp pull
```

Make sure to include the right keys using tags, as well as your desired options for verified and translated entries.

- 3) Register a webhook to subscribe to the desired events.

You can register a webhook for any number of events. Check out our [help page](#) for a list of all possible events.

How can I react to changes to my translations?

We offer a webhook for each major event (e.g., a processed upload or completed order). One common workflow is to set up a notification for newly created comments in your Slack channel, as well as import scripts for job completions. Naturally, you can also use our [API](#) to query the current state of these items as well, depending on your update cycles.

Does Phrase work with branches?

Phrase has its own concept of branches for versioning, which differs from the typical application of Git branches. Our [branches](#) can certainly be used alongside Git branches. Just check in the branch name in the configuration file for that branch and run your CI steps in it.

When you add features, you'll generally add translations without removing any existing ones. For that reason, we recommend adding [tags](#) to the branches you are working on and uploading them to the main branch. This allows you to not only track which features share keys, but also pull and test on certain subsets without having to worry about confused translators.