

Pipelines Without Buildpacks

This lesson demonstrates how to create a pipeline without a build pack.

We'll cover the following

- Creating a pipeline without a buildpack
- Confirming the changes

While the idea behind build packs is to cover a wide range of use cases, we might be in a situation when what we want to accomplish is fundamentally different from any of the build packs. In such cases, it doesn't make sense to have a pipeline based on a build pack. Instead, we can tell Jenkins X that our pipeline is not based on any build pack.

Creating a pipeline without a buildpack

Please execute the command that follows to create a pipeline without a buildpack.

```
echo "buildPack: none
pipelineConfig:
  pipelines:
    release:
      pipeline:
        agent:
          image: go
        stages:
        - name: nothing
          steps:
          - name: silly
            command: echo \"This is a silly pipeline\" \" \"
| tee jenkins-x.yml
```

In this context, the only line that matters is the first one that instructs Jenkins X not to use any `buildPack` by setting the value to `none`. The rest of the pipeline contains an example of constructs that we already explored.

Confirming the changes

Now, let's push the change and confirm that none of the build packs is used by observing the activities.

```
git add .

git commit -m "Without buildpack"

git push

jx get activities \
  --filter go-demo-6/master \
  --watch
```

The output of the last command, limited to the newest activity, is as follows.

```
...
vfarctic/go-demo-6/master #7          34s 28s Succeeded
  meta pipeline                        34s 20s Succeeded
    Credential Initializer Jnghb       34s  0s Succeeded
    Working Dir Initializer H4bg2      34s  1s Succeeded
    Place Tools                        33s  1s Succeeded
    Git Source Meta Vfarctic Go Demo 6 Master R ... 32s  5s Succeeded https://github.com/vfarctic/go
    Git Merge                          27s  1s Succeeded
    Merge Pull Refs                   26s  1s Succeeded
    Create Effective Pipeline          25s  3s Succeeded
    Create Tekton Crds                 22s  8s Succeeded
  nothing                             13s  7s Succeeded
    Credential Initializer 26fg8        13s  0s Succeeded
    Working Dir Initializer Fz7zz       13s  1s Succeeded
    Place Tools                        12s  1s Succeeded
    Git Source Vfarctic Go Demo 6 Master Releas ... 11s  4s Succeeded https://github.com/vfarctic/go
    Git Merge                          7s  1s Succeeded
    Silly                              6s  0s Succeeded
```

We can see that all the steps we normally get from a build pack are gone. We are left only with the generic Git-related steps and the **silly** one we defined in our pipeline.

Please stop watching the activities by pressing *ctrl+c*.

In the next lesson, we will see how to check the full syntax schema of constructs.