

Opening up the SourceHut CI engine and looking under the hood

Drew DeVault
SourceHut, sway, etc; drewdevault.com
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What is a CI system

- **You know what a CI system is**
- **Moving right along**

Build manifests

```
image: alpine/edge
```

```
sources:
```

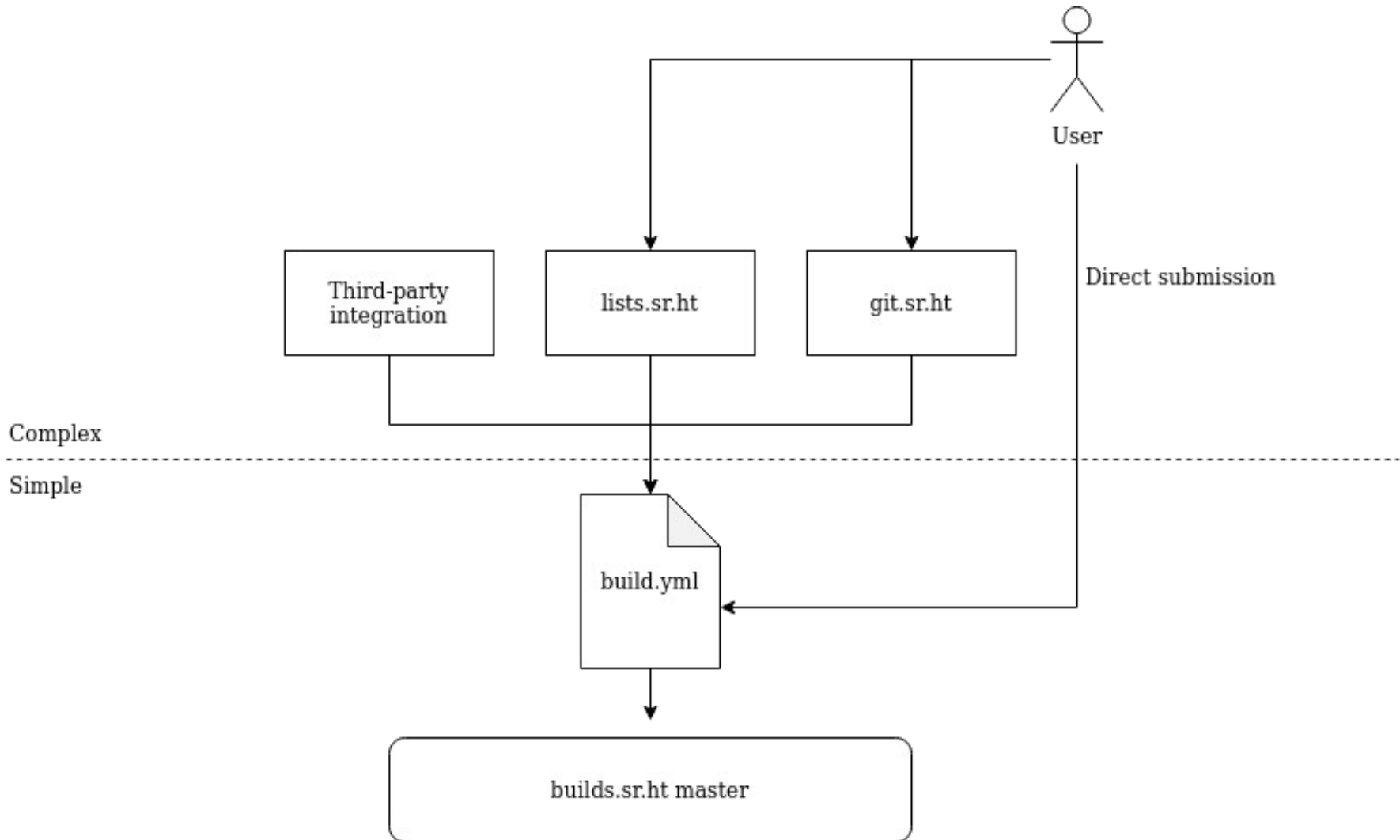
```
- https://git.sr.ht/~sircmpwn/scdoc
```

```
tasks:
```

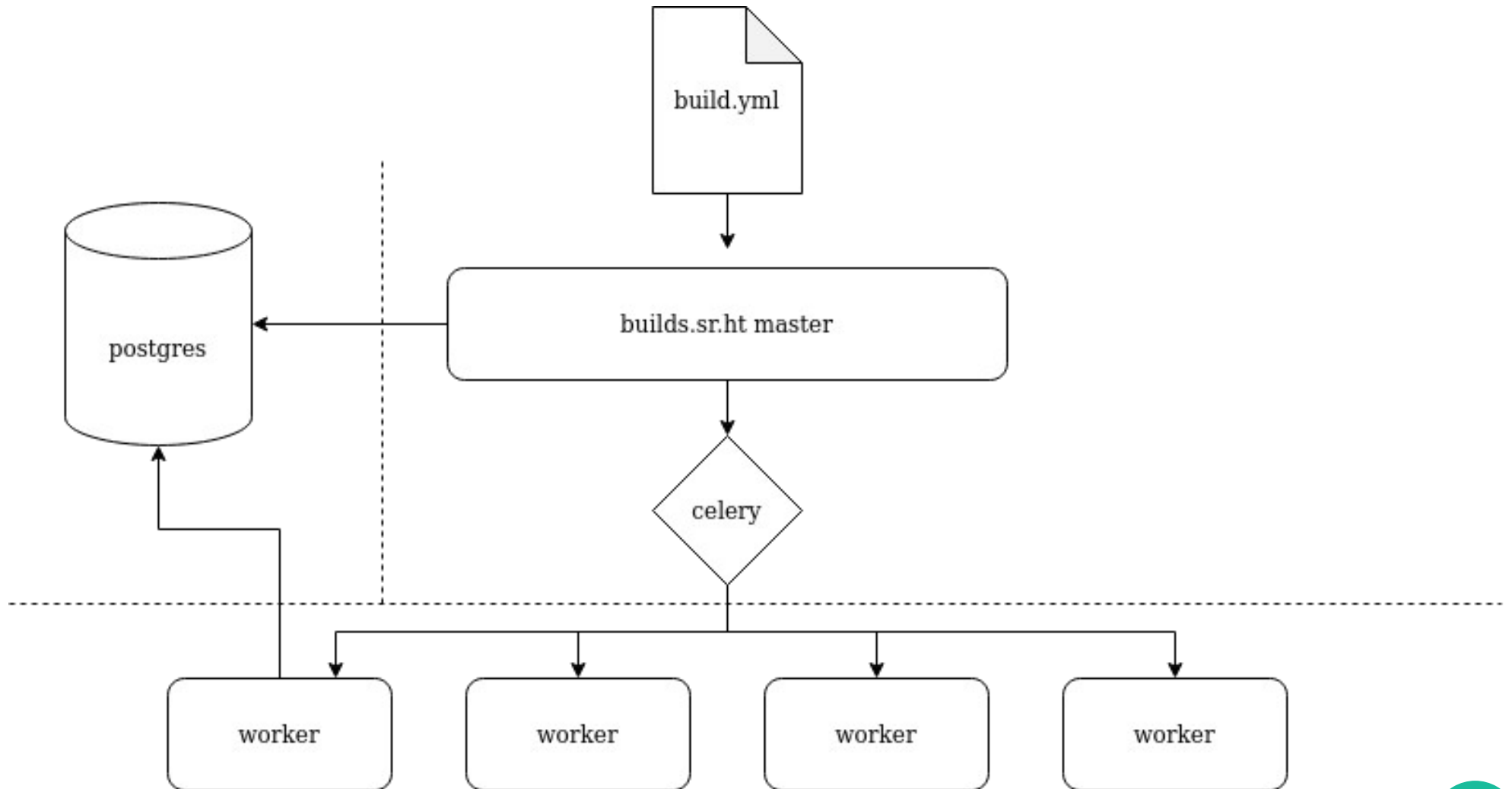
```
- build: |  
    cd scdoc  
    make  
- check: |  
    cd scdoc  
    make check
```

<Insert demo here>

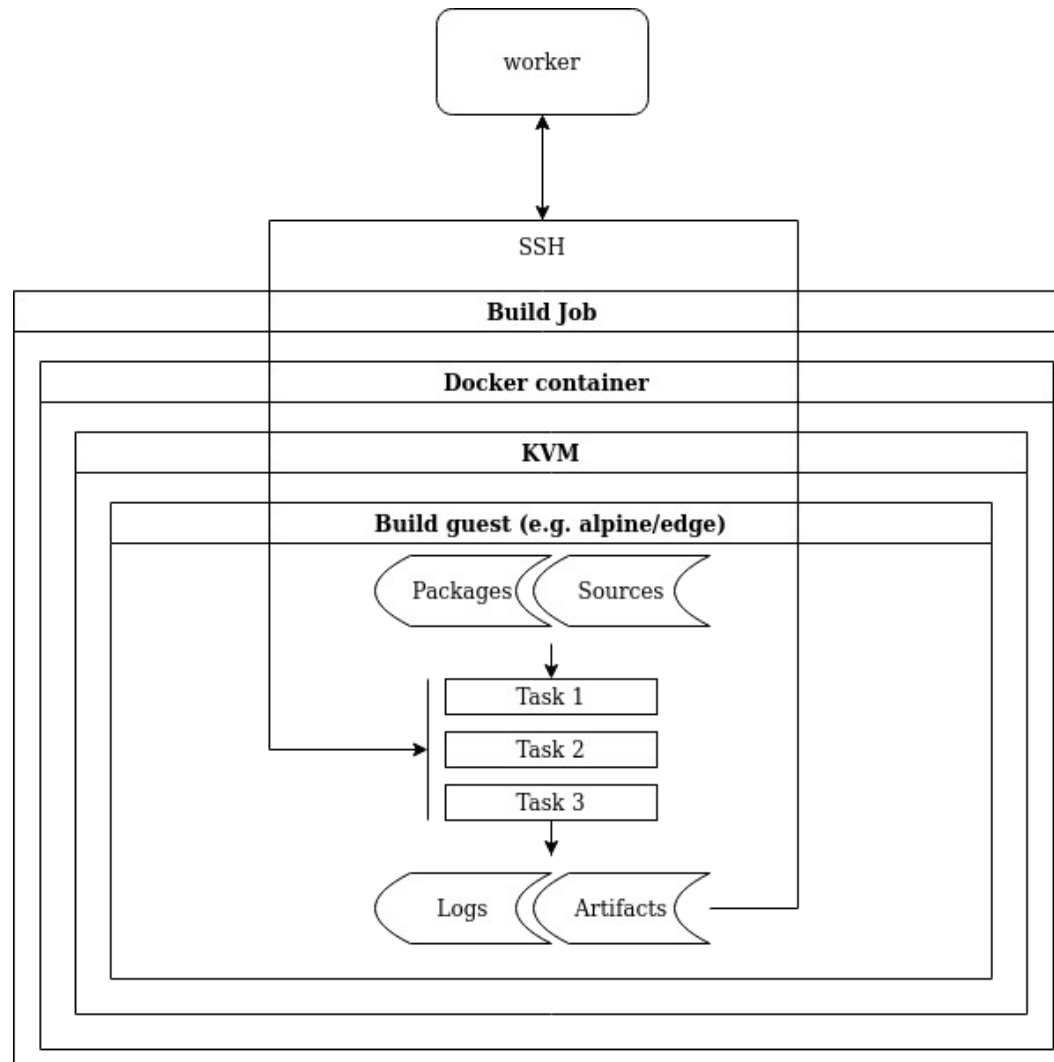
builds.sr.ht architecture, part een



builds.sr.ht architecture, part deux

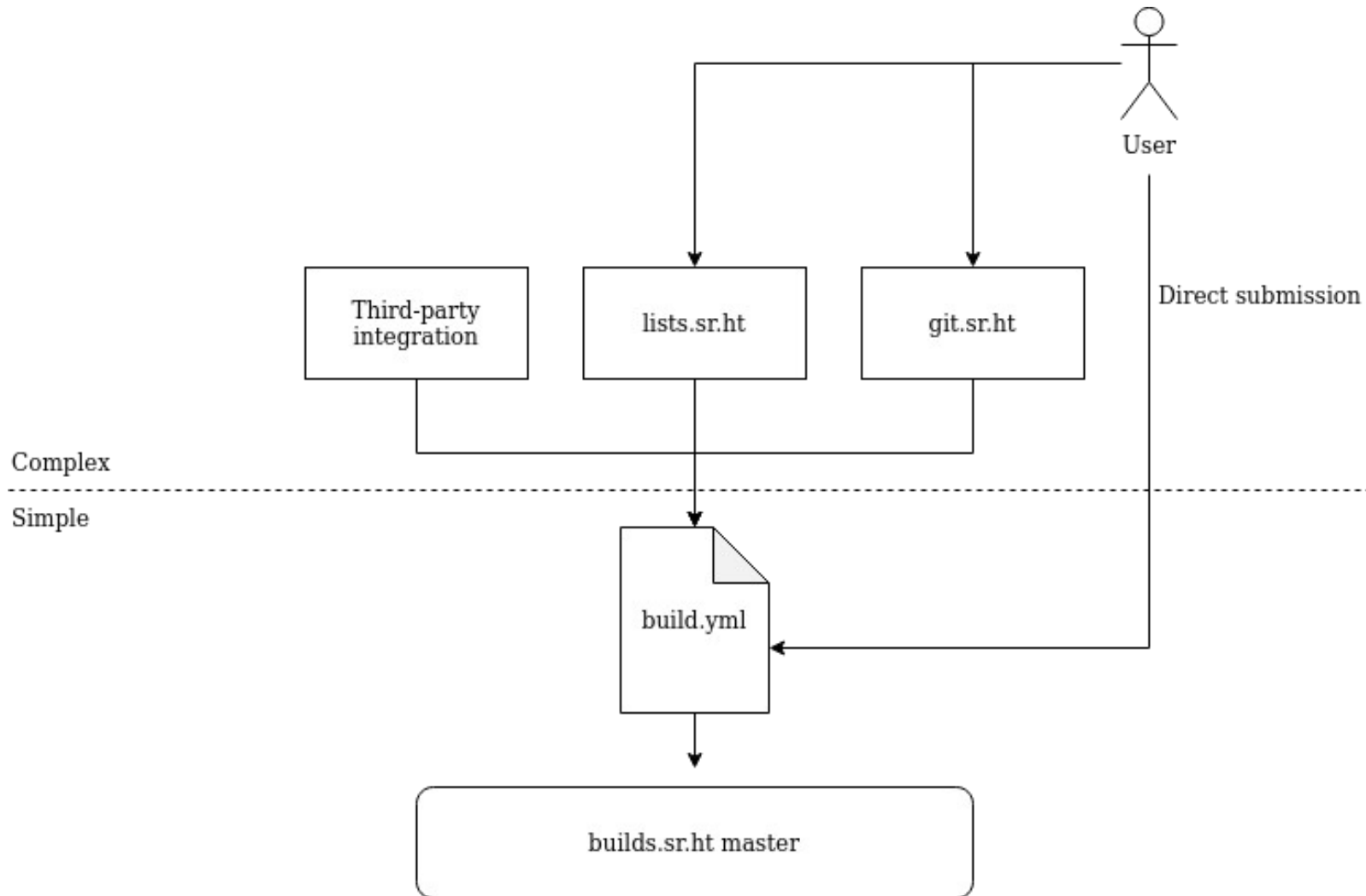


builds.sr.ht architecture, part Ⅲ

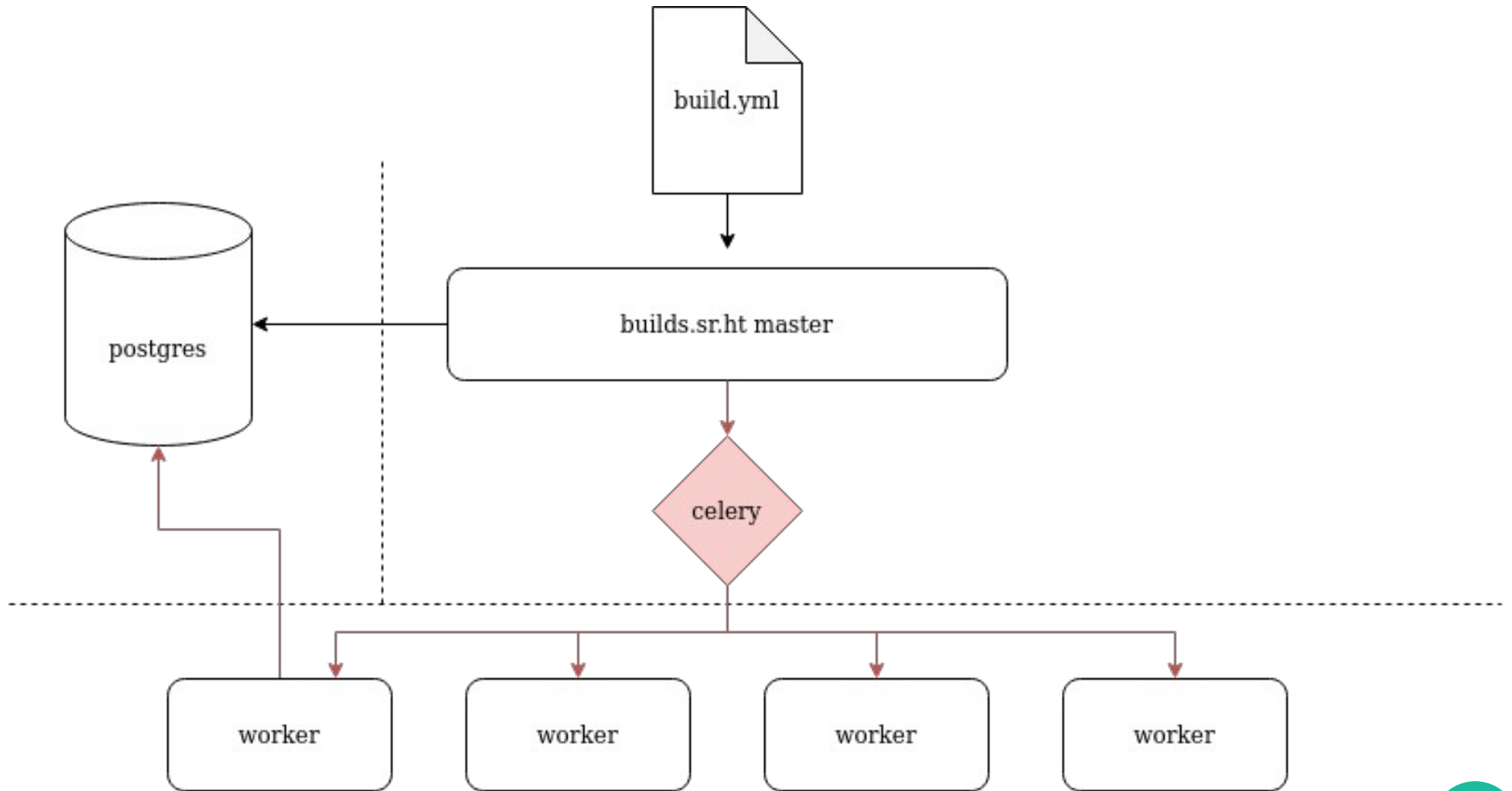


What needs to be improved?

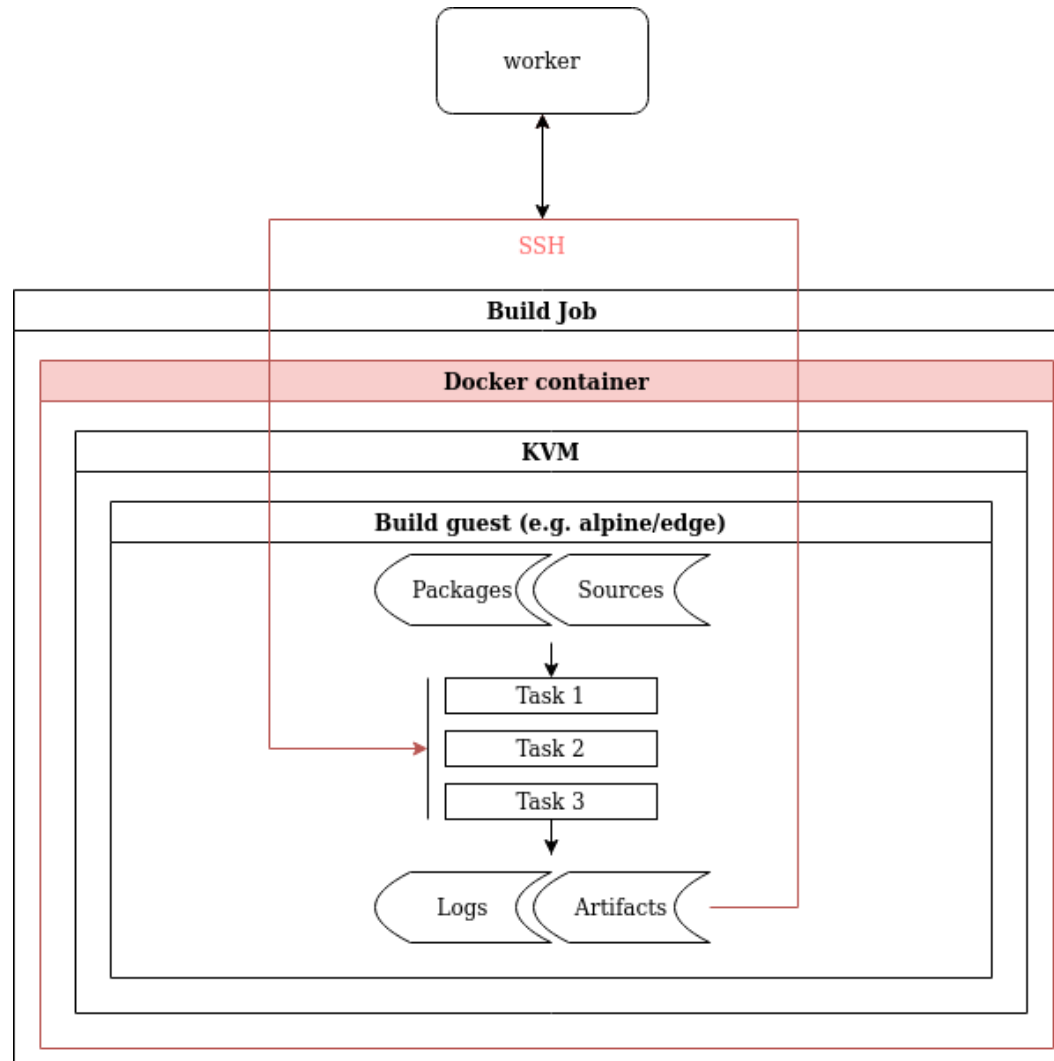
Part een: 's all good, mostly



Part deux: some changes



Part seven: more changes



Build distribution overhaul

- **No more workers talking to PG**
- **Less “pile of shell”, more “pile of Go”**
- **Fuck off, Celery**
- **Workers pick jobs based on capabilities, more diverse workers**

Worker overhaul

- **Fuck off, Docker**
- **Worker ↔ Guest API, less/no SSH**
- **Guest-specific customizations**

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