

# Técnicas y Herramientas de Desarrollo de Software 2019

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# última clase

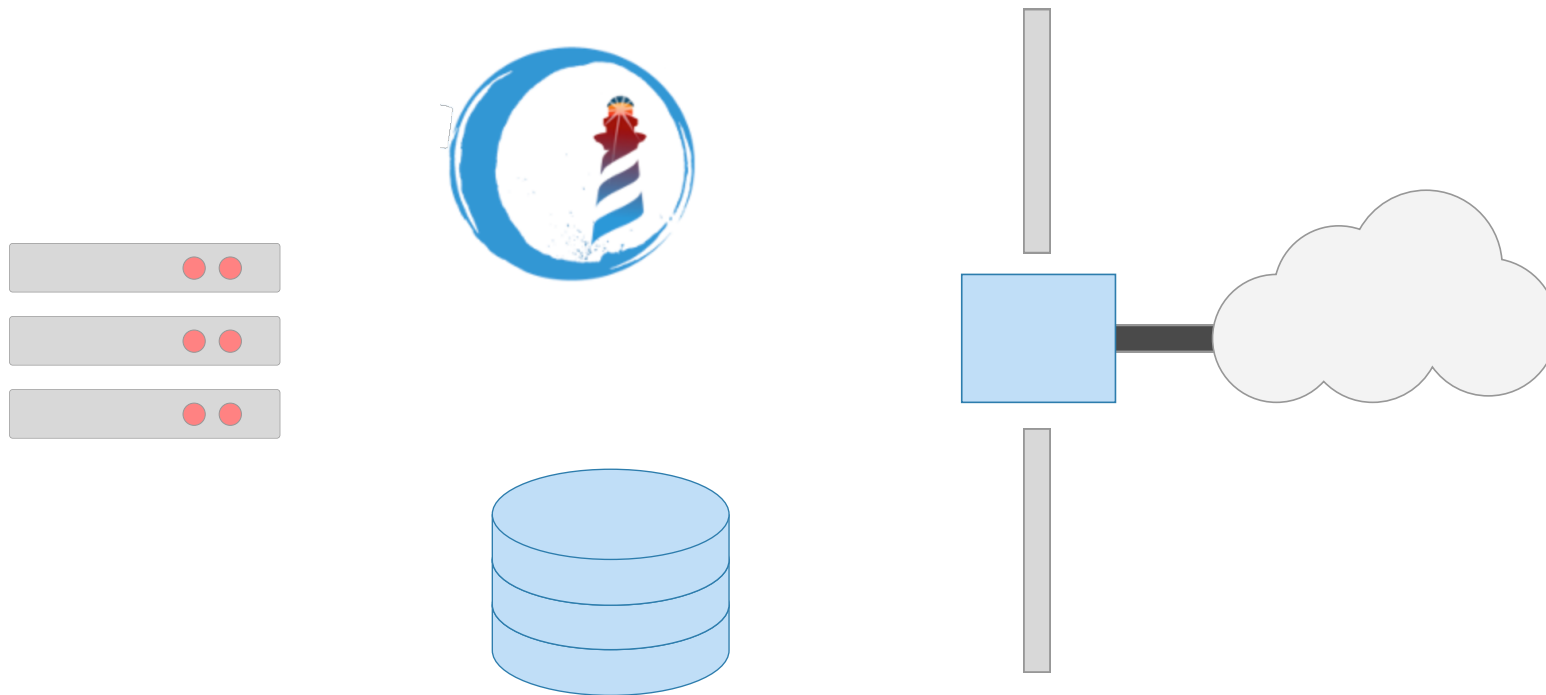
seaside en producción

tengo mi aplicación funcionando!

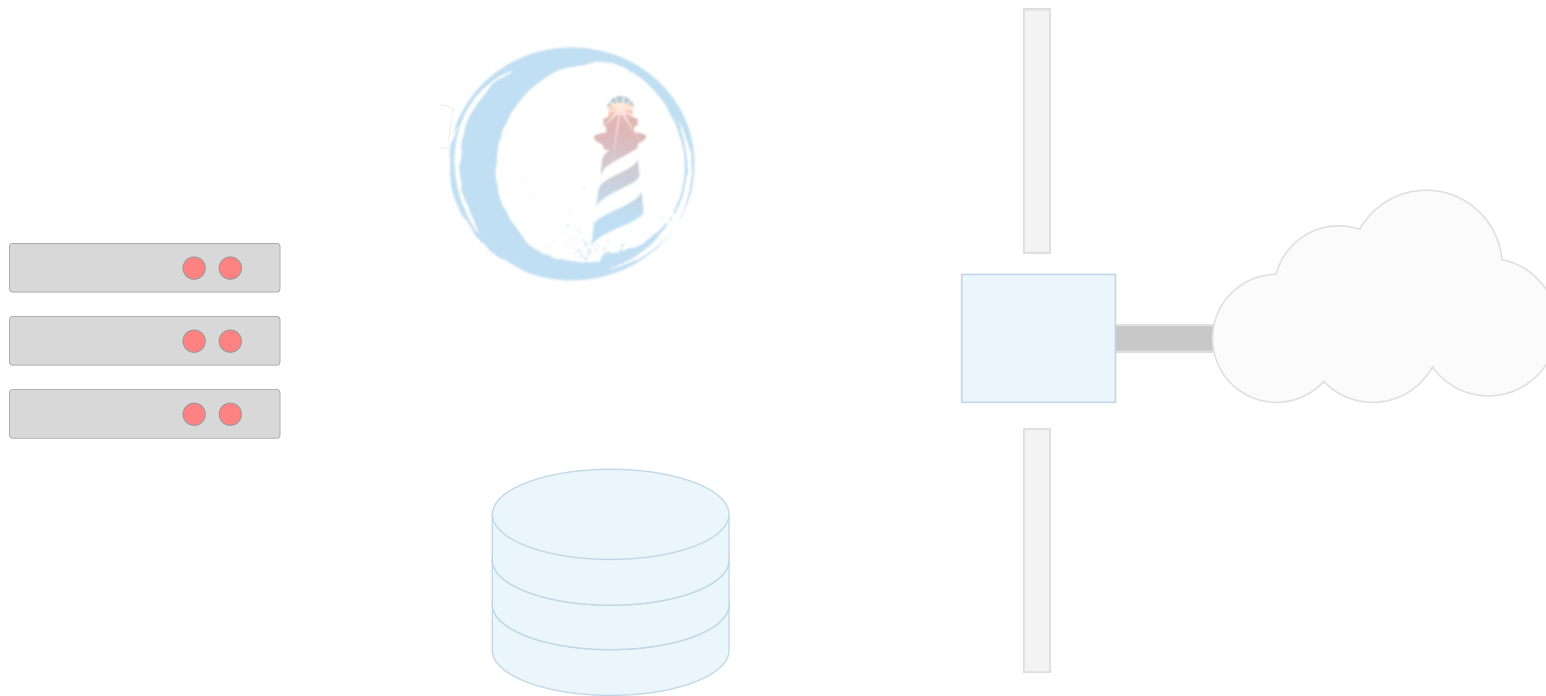
...y ahora?



# Infraestructura



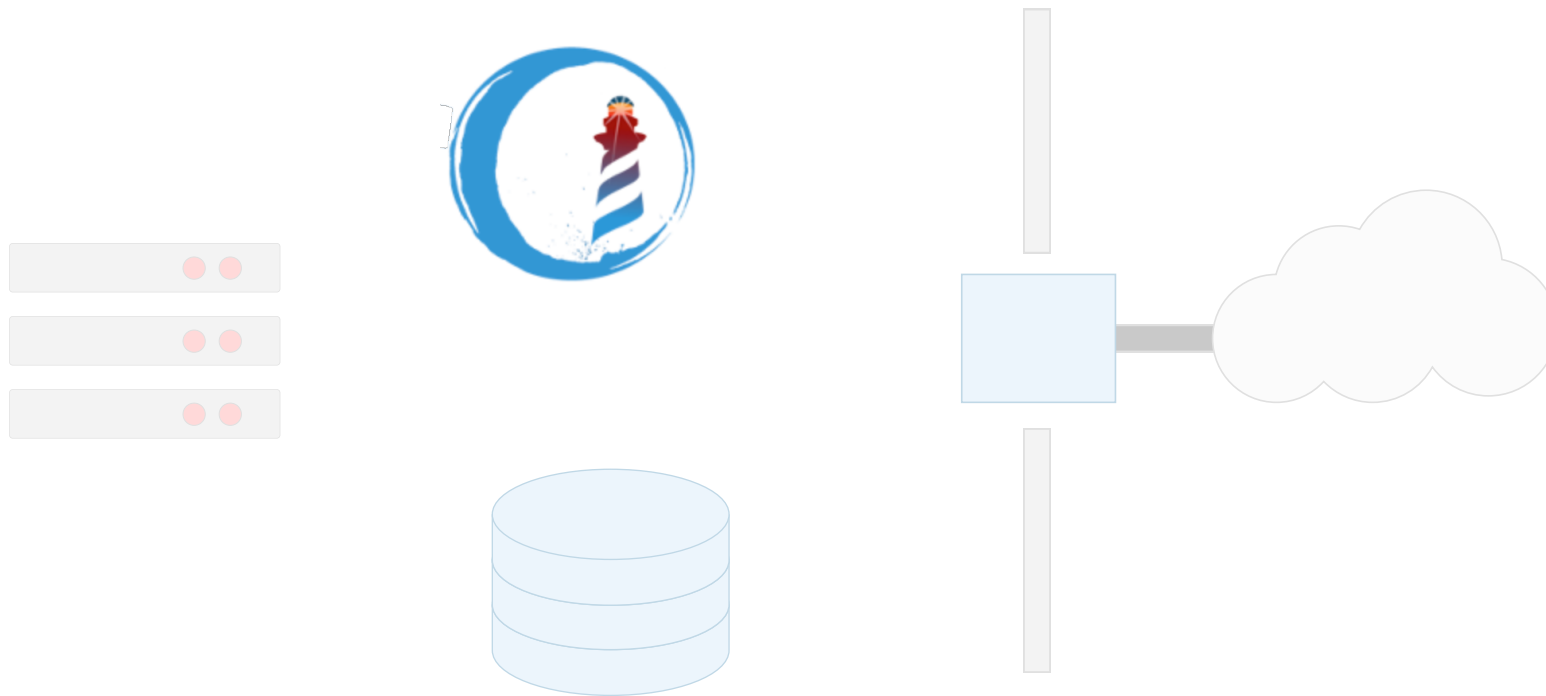
# Infraestructura



ubuntu<sup>®</sup>



# Infraestructura

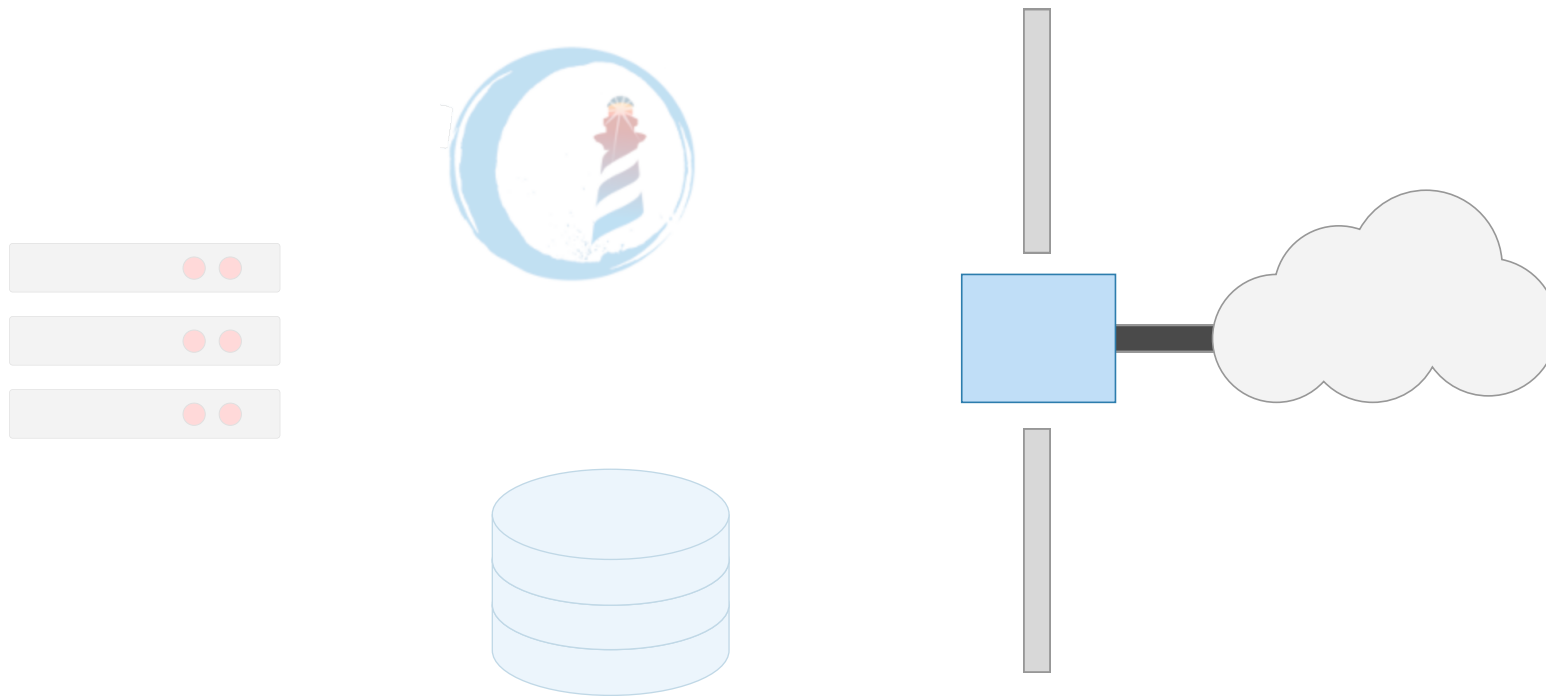




```
$ mkdir /var/www/shoestore.local && cd "$_"  
$ wget -O- https://get.pharo.org/64/61 | bash
```

```
Metacello new  
  baseline: 'Shoestore';  
  repository: 'github://juliangrigeria/shoestore';  
  load.
```

# Infraestructura



```
$ sudo a2enmod rewrite
```

```
$ sudo vim /etc/apache2/sites-available/shoestore.local.conf
```

```
<VirtualHost *:80>  
    ServerName shoestore.local  
    RewriteEngine On  
    RewriteCond %{REQUEST_URI} ^/shoestore(.*)$ [OR]  
    RewriteRule ^/(.*)$ http://localhost:8080/shoestore/$1 [P,L]  
</VirtualHost>
```

```
$ sudo a2ensite shoestore.local
```

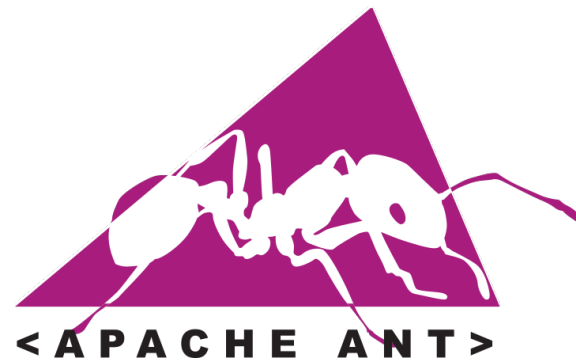
```
$ sudo systemctl reload apache2
```

# Extras

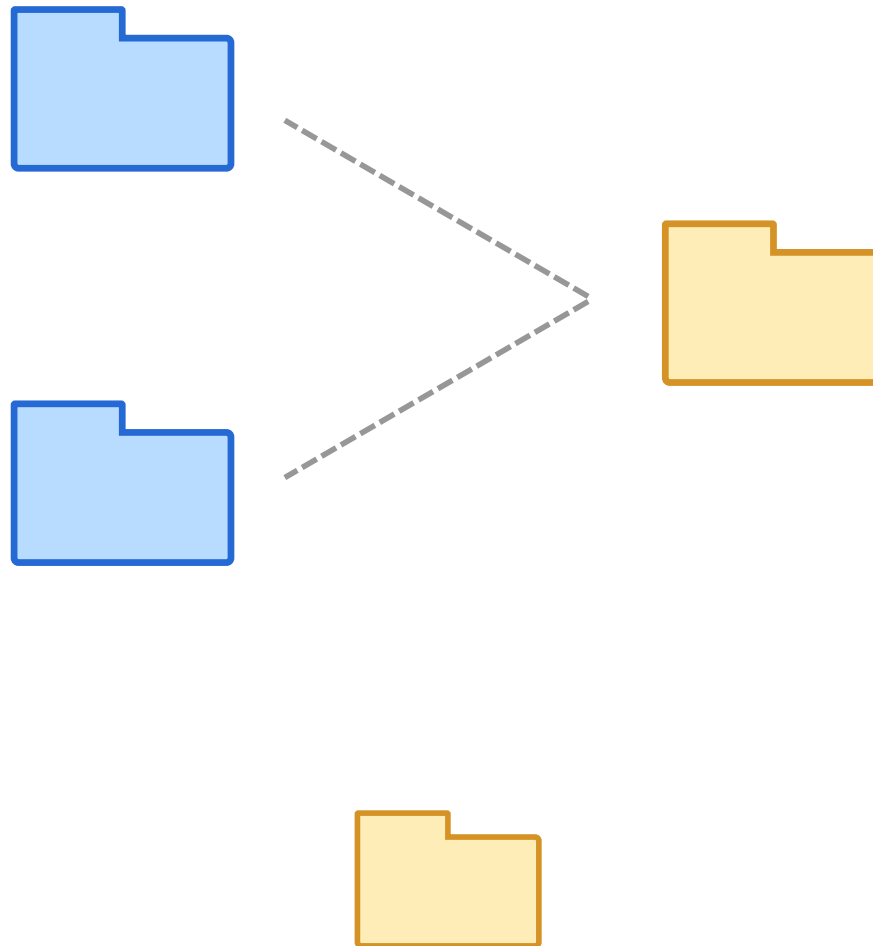
- Dependencias
- Aplicación como servicio
- Librerías en CDN
- Integración Continua

# Manejo de Dependencias

***maven***



# Dependencias



# Dependencias

```
github://janedoe/sushi
```



BaselineOfSushiStore



SushiStore

```
Metacello new  
  repository: 'github://janedoe/sushi';  
  baseline: 'SushiStore';  
  load.
```



```
baseline: spec
```

```
<baseline>
```

```
spec
```

```
  for: #common
```

```
  do: [ spec package: 'SushiStore']
```

```
baseline: spec
<baseline>
spec
  for: #common
  do: [

    spec
      project: 'Seaside3'
      with: [ spec
        className: 'ConfigurationOfSeaside3';
        versionString: #stable;
        repository: 'github://SeasideSt/Seaside:master/repository' ]

    spec
      package: 'SushiStore'
      with: [ spec requires: #('Seaside3') ].
  ]
```

```
baseline: spec
<baseline>
spec
  for: #common
  do: [ self
        seaside: spec;
        bootstrap: spec.
      spec
        package: 'Flooring'
        with: [ spec requires: #('Seaside3' 'Bootstrap') ].
      spec postLoadDoIt: #postLoadActions ]
```

```
bootstrap: spec
spec
  project: 'Bootstrap'
  with: [ spec
          className: 'ConfigurationOfBootstrap';
          versionString: #stable;
          repository: 'http://smalltalkhub.com/mc/TorstenBergmann/Bootstrap/main/' ]
```

# Servicio

- Iniciar la app al iniciar el sistema
- Reiniciar ante un fallo
- Detener / Reiniciar manualmente

SystemD

```
$ sudo vim /etc/systemd/system/shoestore.service
```

### [Unit]

```
Description=Shoestore  
Requires=mongod.service  
After=network.target mongod.service
```

### [Service]

```
User=jgrigera  
Group=jgrigera  
Type=simple  
PIDFile=/var/run/shoestore.pid  
Environment=appdir=/var/www/shoestore.local  
ExecStart=/var/www/shoestore.local/pharo ${appdir}/Pharo.image  
${appdir}/start.st --no-quit &  
ExecStartPre=/bin/sleep 5
```

### [Install]

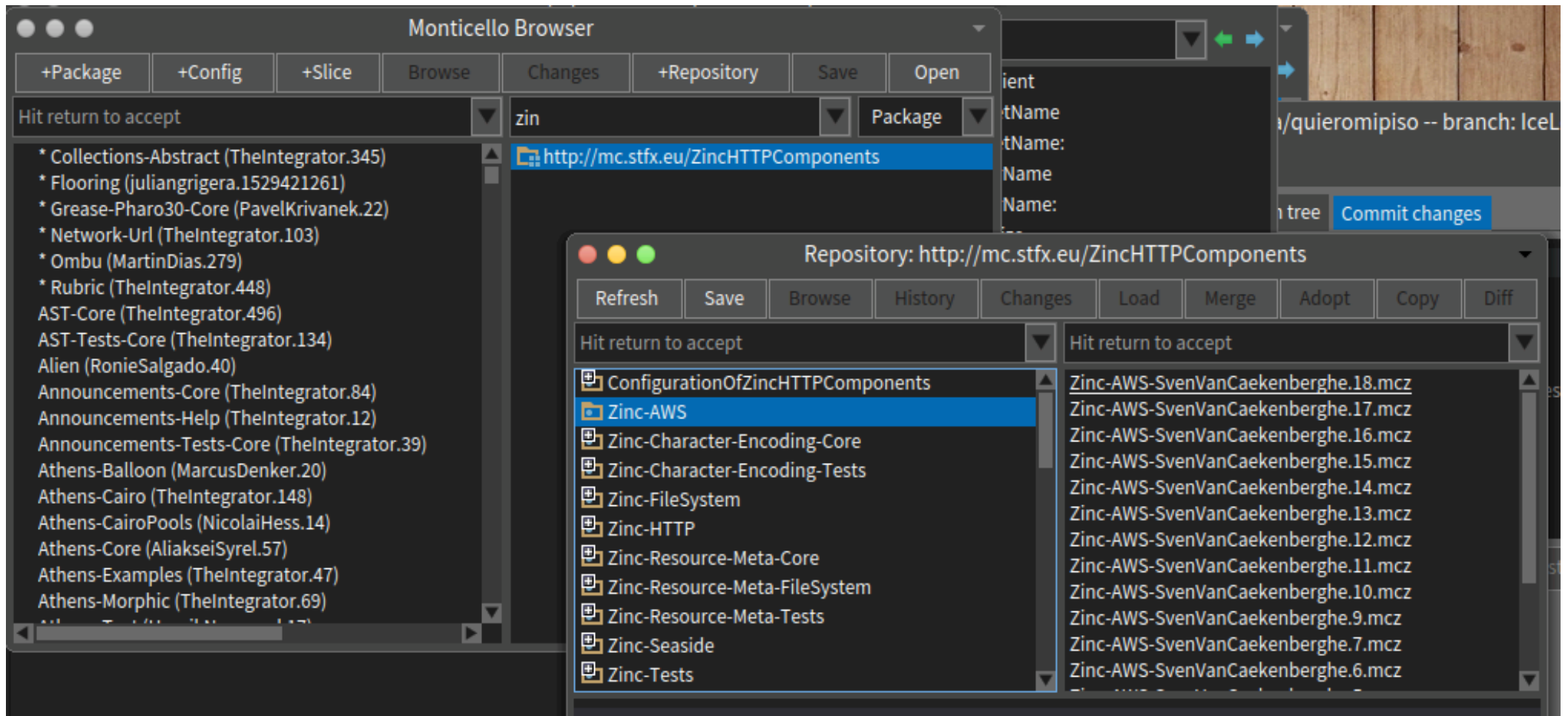
```
WantedBy=multi-user.target
```

```
$ sudo systemctl daemon-reload
```

```
$ sudo systemctl enable shoestore.service
```

# CDN

WFileLibrary>>deployFiles



# Integración Continua

The screenshot displays the Travis CI web interface in a browser window. The address bar shows 'travis-ci.org'. The navigation bar includes links for 'Travis CI', 'About Us', 'Blog', 'Status', 'Documentation', and 'Help', along with a 'Sign in with GitHub' button. A green banner below the navigation bar reads: 'Help make Open Source a better place and start building better software today!'. The main content area shows the repository 'juliangrigeria / Shoestore' with a 'build passing' status. Below this, tabs for 'Current', 'Branches', 'Build History', and 'Pull Requests' are visible. The 'Current' tab is active, showing a build for the 'master' branch with the commit 'Update README.md'. The build status is '✓ #7 passed', and it ran for '2 min 6 sec' on '8 days ago'. The commit details include 'Commit ab9256c', 'Compare 267b0d4..ab9256c', and 'Branch master', attributed to 'Julián Grigera'. The build environment is 'Smalltalk: Pharo-6.1'. At the bottom, there are links for 'Job log' and 'View config'. The 'Job log' is expanded, showing a dark-themed terminal view with the following output:

```
▶ 1 Worker information
▶ 6 Build system information
414
▶ 415 docker stop/waiting
▶ 417 resolvconf stop/waiting
```

On the right side of the terminal output, there are buttons for 'worker\_info', 'system\_info', 'docker\_mtu', and 'resolvconf', along with a 'Top' link and a 'Raw log' button at the top right of the terminal area.

## **.travis.yml**

```
language: smalltalk  
sudo: false  
os:  
  - linux  
smalltalk:  
  - Pharo-6.1
```

## **.smalltalk.ston**

```
SmalltalkCISpec {  
  #loading : [  
    SCIMetacelloLoadSpec {  
      #baseline : 'Shoestore',  
      #platforms : [ #pharo ]  
    }  
  ]  
}
```