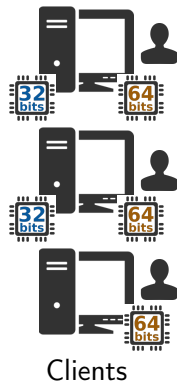
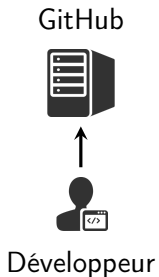


Paquito: Easy Packaging

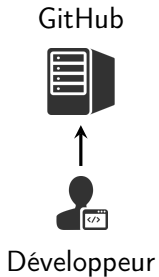
Hugues LEPRIEUR
hugues.leprieur@lipn.univ-paris13.fr

09 décembre 2015

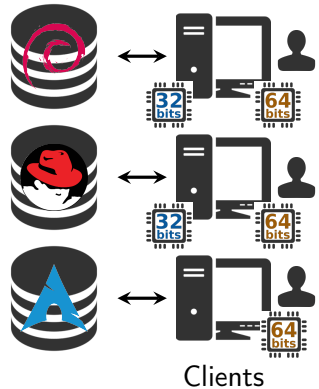
Le besoin



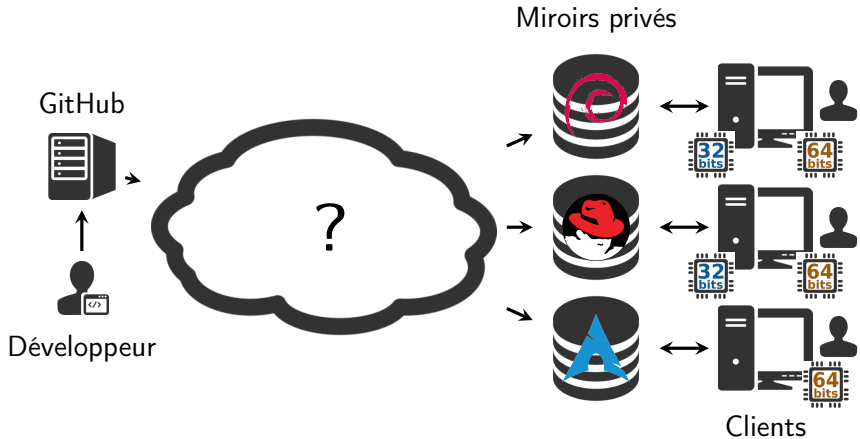
Le besoin



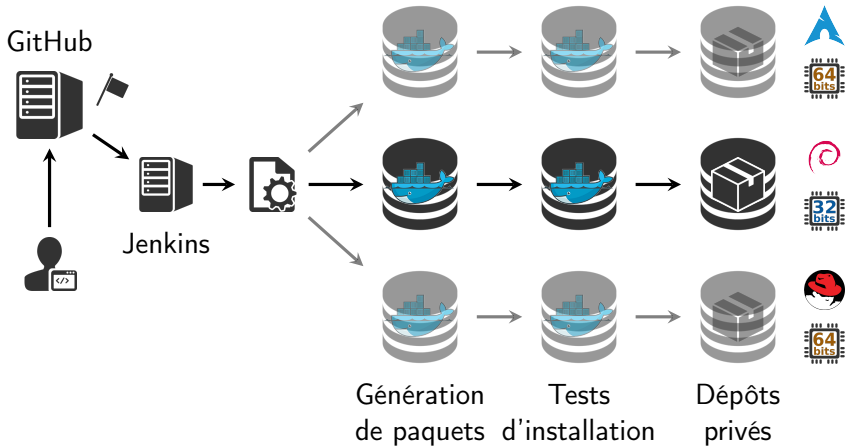
Miroirs privés



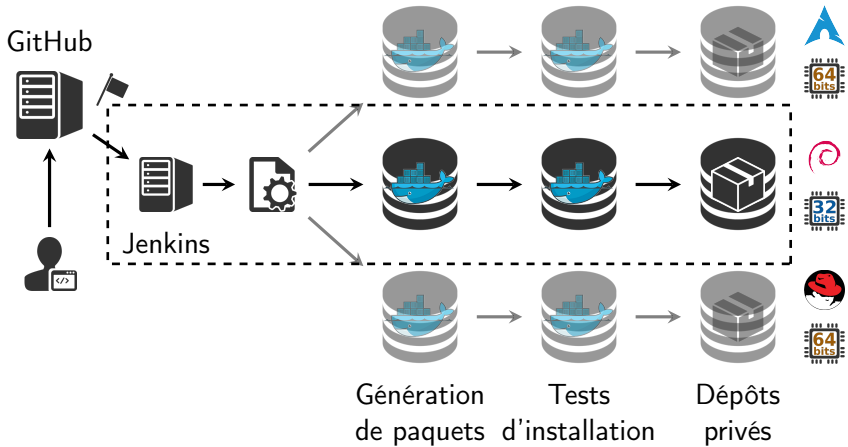
Le besoin



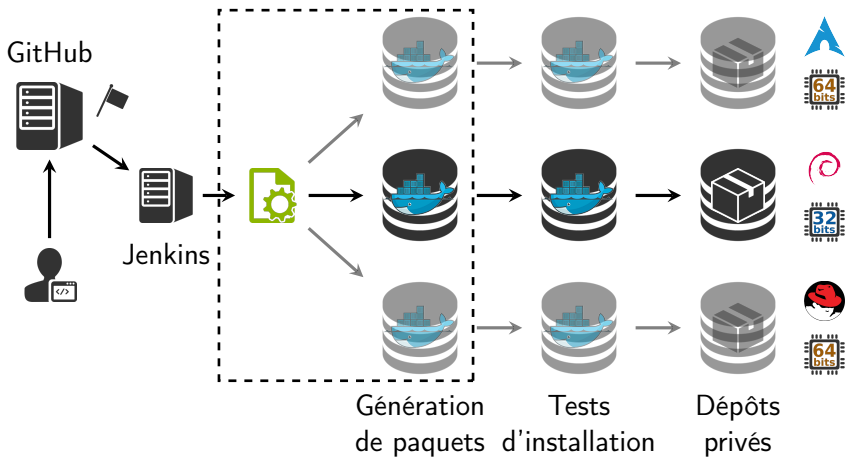
La solution



Contexte 2014



Contexte 2015



Programme HelloWorld

helloworld.cc

```
int main () {  
    system ("tcc -run /usr/share/hello-world/program.c")  
    ;  
    return EXIT_SUCCESS;  
}
```

program.c

```
int main () {  
    printf ("Hello World\n");  
    return EXIT_SUCCESS;  
}
```


Arborescences des paquets



```
package/  
├── DEBIAN/  
│   └── control  
└── usr/  
    └── bin/
```



```
rpmbuild/  
├── SOURCES/  
├── BUILD/  
├── SPECS/  
│   └── SPEC  
├── RPMS/  
│   └── Paquet binaire  
└── SRPMS/  
    └── Paquet source
```



```
/  
├── PKGBUILD  
└── package/  
    ├── usr/  
    └── bin/
```

Fichier de configuration

```
Name: HelloWorld
Version: 1.1
Homepage: https://github.com/saucisson/hello-world
Summary: A compiling Hello-World
Description: This project is a very simple "Hello,
            World!", that makes use of TinyCC.
Copyright: MIT
Maintainer: Corentin Guillevic <co.guillevic@laposte.
            net>
Authors:
    - Alban Linard <alban@linard.fr>
```

Fichier de configuration

```
Build:
  Dependencies:
    g++:
      Archlinux:
        All: gcc
        Version: gcc-4.7
      Centos: gcc-c++
  Commands:
    - g++ main.cc -o hello-world
```

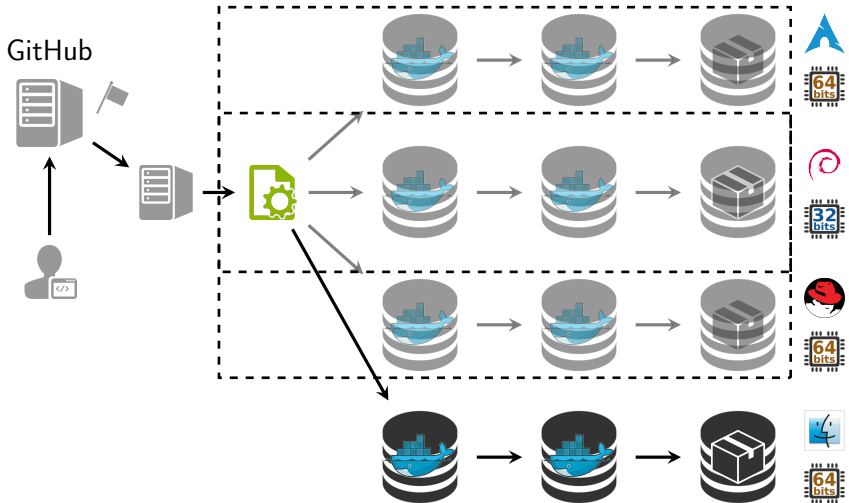
Fichier de configuration

```
Package:
  Type: binary
  Files:
    /usr/bin/:
      Source: src/hello-world
      Permissions: 755
    /usr/share/hello-world/: src/program.c
Runtime:
  Dependencies:
    tcc: "*"
Install:
  Pre:
    - echo "before install"
  Post:
    - echo "after install"
```

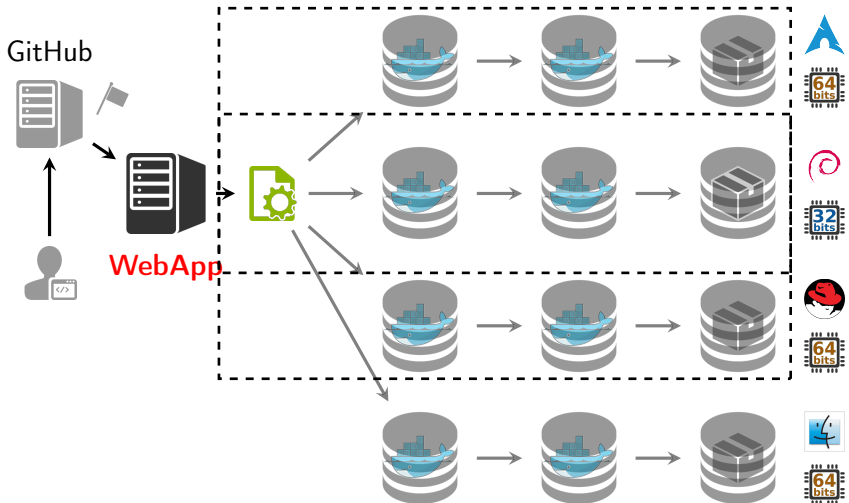
Fichier de configuration

```
Test:  
  Commands:  
    - hello-world
```

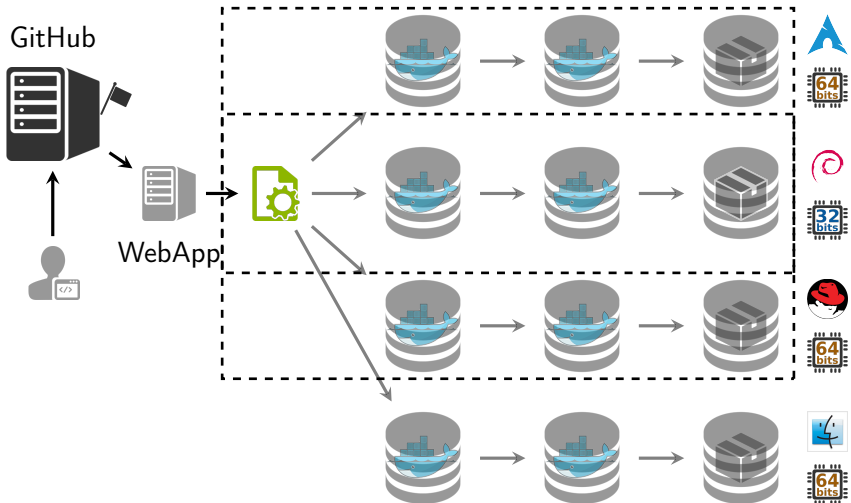
Tâche #1 : cible MacOS



Tâche #2 : Application Web



Tâche #3 : Extraction d'informations



Tâche #4 : Automatisation des dépendances

```
Build:
  Dependencies:
    g++:
      Archlinux:
        All: gcc
        Version: gcc-4.7
      Centos: gcc-c++
  Commands:
    - g++ main.cc -o hello-world
```

Conclusion

- Paquito : open source sous licence MIT ;
- management projet avec la méthode scrum ;
- développement code en PHP archivé sur GitHub ;
- tests des fonctionnalités, avec une bonne couverture ;
- integration continue avec Shippable ;