

Providing Open Source Software for a New Architecture

Gustavo Salibi

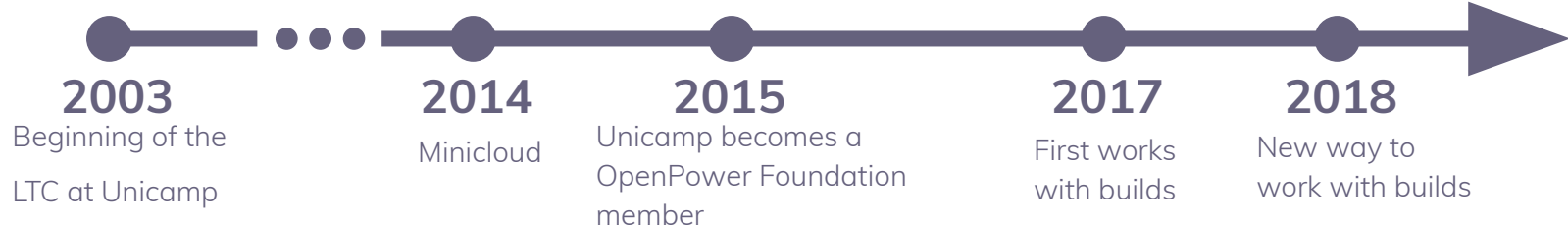


gsalibi



GustavoSalibi

OpenPower Lab



Communities

Often, users from other architectures are unable to use the software 😞



More Than x86

Smartphones: ARM

Cloud Computing: often use another arch

Supercomputers:

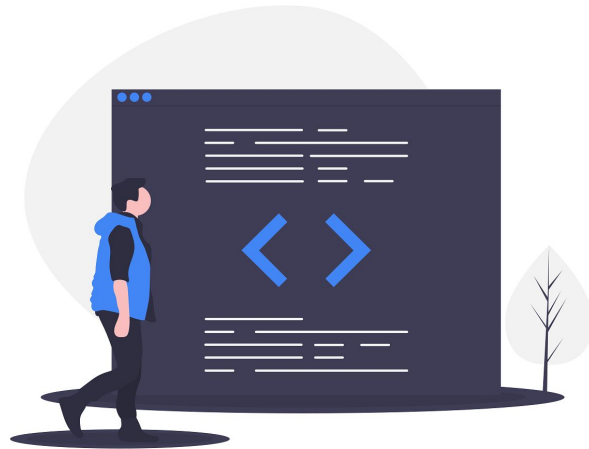
1. IBM Summit - Power9
2. IBM Sierra - Power9
3. Sunway TaihuLight - SW26010



Architectures Change

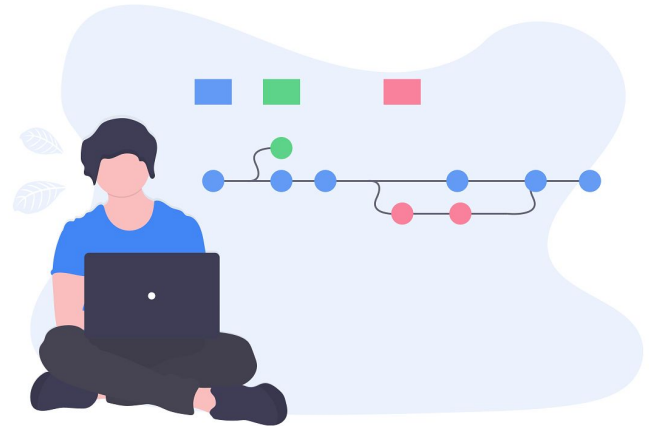
Multi Architecture

Fortunately, most of the time, working multi architecture is very straightforward 😊



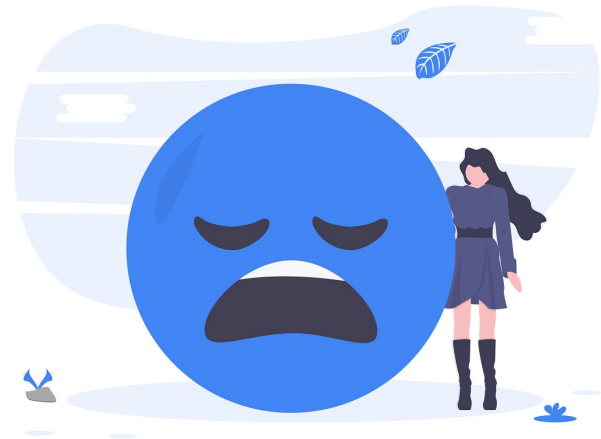
First Approach

Try to convince the community to adopt multi architecture



Failed approach

They feel insecure in supporting an unfamiliar architecture



New Approach

Build and maintain our
own releases on Power



Tooling

Unicamp-OpenPower / terraform-releases build passing

Current Branches Build History Pull Requests More options

✓ **master** CRON Update build.sh #171 passed Restart build

↳ Commit aa7aa45 ↳ Ran for 1 min 22 sec
↳ Branch master ↳ 11 minutes ago

Gustavo Salibi authored GitHub committed

Go to 1.12.1
CONSUL_VERSION=0.7.5 GOMAXPROCS=4 GO111MODULE=on

Job log View config

```
1 Worker information
6 Build system information
142
143 $ sudo systemctl start docker
144 Updating gimme
145
146 $ git clone --depth=50 --branch=master https://github.com/Unicamp-OpenPower/terraform-releases.git Unicamp-
156
157 $ travis_export_go 1.12.1 github.com/Unicamp-OpenPower/terraform-releases
158
```

Jenkins

Jenkins » bazel-ubuntu-14-04 » #3

- ← Voltar ao projeto
- Estado pessoal
- Alterações
- Saída do console**
- Exibir como texto puro
- View Build Information
- Parâmetros
- Environment Variables
- Build anterior
- Próximo build

✓ Saída do console

Ignorando 1,457 KB.. [Ver log completo](#)

```
otstrap ../build/buildjar/libskylark-deps.jar [for host]; 8s local
23:02:46 Compiling src/main/tools/process-wrapper-legacy.cc; 0s local
23:02:46 Linking src/tools/singlejar/singlejar_local; 0s local
23:02:47
[1A[K
[1A[K
[1A[K
[1A[K[32m[1,125 / 1,193][0m 3 actions running
23:02:47 JavacBootstrap ../build/buildjar/libskylark-deps.jar [for h
23:02:47 Compiling src/main/protobuf/execution_statistics.pb.cc; 0s l
23:02:47 Compiling src/main/tools/process-wrapper-options.cc; 0s loc
23:02:47
[1A[K
[1A[K
[1A[K
[1A[K[32m[1,126 / 1,194][0m 3 actions running
23:02:47 JavacBootstrap ../build/buildjar/libskylark-deps.jar [for h
23:02:47 Compiling src/main/protobuf/execution_statistics.pb.cc; 0s l
23:02:47 Compiling src/main/tools/process-tools.cc; 0s local
23:02:47
[1A[K
[1A[K
[1A[K
[1A[K[32m[1,126 / 1,194][0m 3 actions running
```

Timestamps [View as plain text](#)

- System clock time
- Use browser timezone
- Elapsed time
- None



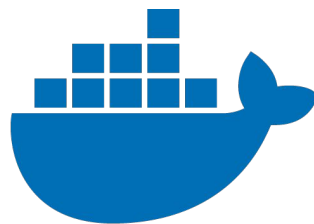
kiali



Terraform



container



docker

okd



kubernetes



Grafana

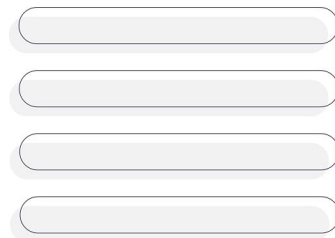


MINIO

Open For New Requests



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Thank You