

pallet.clj

Infrastructure Project File



PalletOps

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<http://hugoduncan.github.com/pallet-prj-cw-2013>

The Infrastructure You Need



From day one.

One source, many clouds, virtualisation environments.

One source, many deployment environments.

Infrastructure Project File

README.md

pallet.clj

project.clj

src

target

test

Easy to start

In the `project.clj` file:

```
:plugins
  [[com.palmetops/pallet-lein "0.6.0-beta.7"]
]
```

Create a `pallet.clj` file:

```
(defproject myproject
  :phases
  {:configure
   (plan-fn (package "postgresql-9.1"))})
```

```
$ lein pallet up
```

Now on ec2...

```
lein pallet add-service ec2 aws-ec2 xxxx xxxx
```

```
lein pallet --service ec2 up
```

As your infrastructure evolves

Split out code into functions

Split out code into re-usable modules

Modules are code artifacts

Testing

```
(defproject myproject
  :providers
  {:vmfest
   {:variants
    [{:node-spec {:image {:os-family :ubuntu}}
     :selectors #{:default :ubuntu}
     ...]}]
   :groups [...]})
```

```
lein pallet up --selectors ubuntu
```

```
lein pallet up --groups db
```

```
lein pallet up --phases configure,test
```

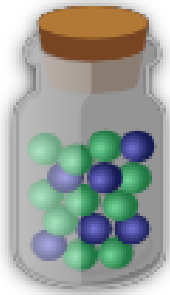


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Pallet



Clojars



```
(require '[my.ns :refer [group1 group2]])  
(defproject myproject  
  :groups [group1 group])
```

pallet/src is on the classpath

Group specs

```
(def group1
  (group-spec "group1"
    :phases
    {:configure
     (plan-fn
      (remote-file "f" :content "hello"))})
    :roles #{:db}))
```

Multiple nodes

```
(def group1 (group-spec...))  
(def group1 (group-spec...))  
(defproject myproject  
  :groups [group1 group])
```

```
lein pallet up --roles db
```

Will start/stop a node for each group