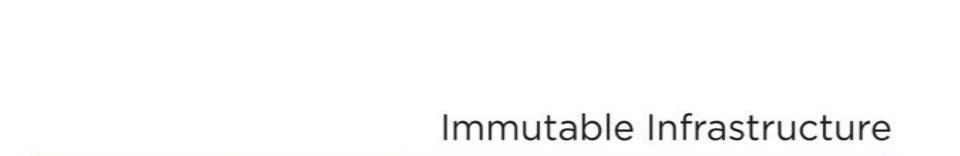
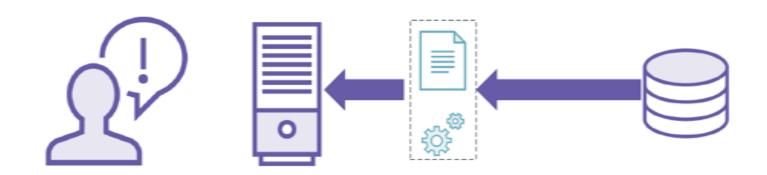
PACKER



Immutable

Adjective:

Unchanging over time, or unable to be changed



Cats and Cattle, Oh My!





XB306-1

XB306-2

XB306-3

•••

Servers - Cats vs. Cattle

Cats

Kept alive at all costs

Need manual intervention

Difficult to Scale

High-stress

Cattle

Expendable

Work "out of the box"

Easy to Scale

Low-stress





Other Benefits

Testable Infrastructure	Reproduce Production
Unit of Deployment	Confident Changes

When To Use It?

* ALL THE TIME!

* Except at very small scale

Packer!



Utilize native tools

Integrate with configuration management

Easy to convert to Docker

A Packer Template

```
"builders": [
"provisioners": [
                        Template
"post-processors": [
```

```
{
    "type": "amazon-ebs",
    "name": "MyCowServer-AWS",
    "region": "us-west-2"
}
```

Builders

Generate your image

Provider-specific

Multiple builders = cross-provider builds!

```
{
    "type": "shell",
    "script": "makeMyCowAwesome.sh",
    "only": ["MyCowServer-AWS"]
}
```

Provisioners

Customize your image

Scripts or configuration management

Can be builder-specific

```
{
    "type": "compress",
    "output": "MyCowServer-VirtualBox.tar.gz",
    "only": ["MyCowServer-VirtualBox"]
}
```

Post-Processors

Put on the finishing touches

Integration with other services

Key to Docker conversion

INSTALLING PACKER

https://www.packer.io/downloads.html

PACKER TEMPLATES

https://github.com/asquarezone/packer-templates

https://github.com/asquarezone/packer-windows

BUILD INFRA



