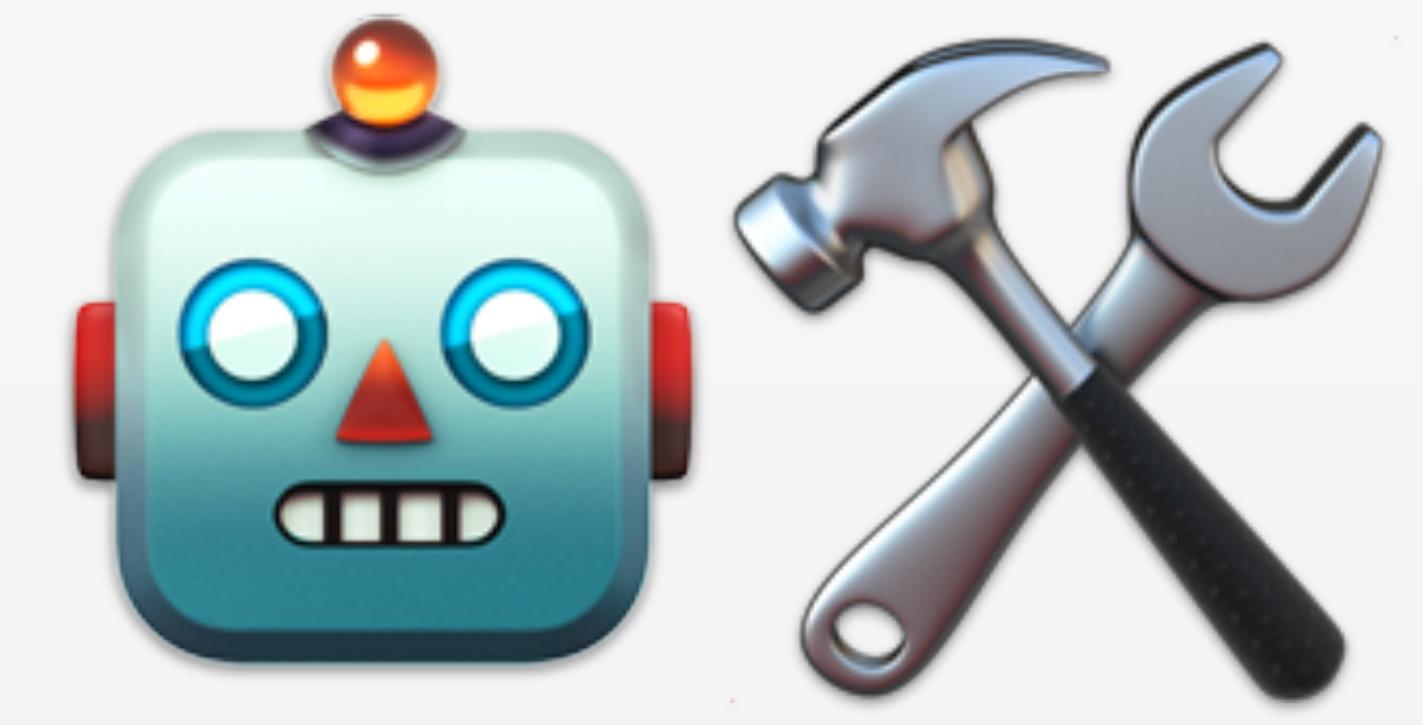


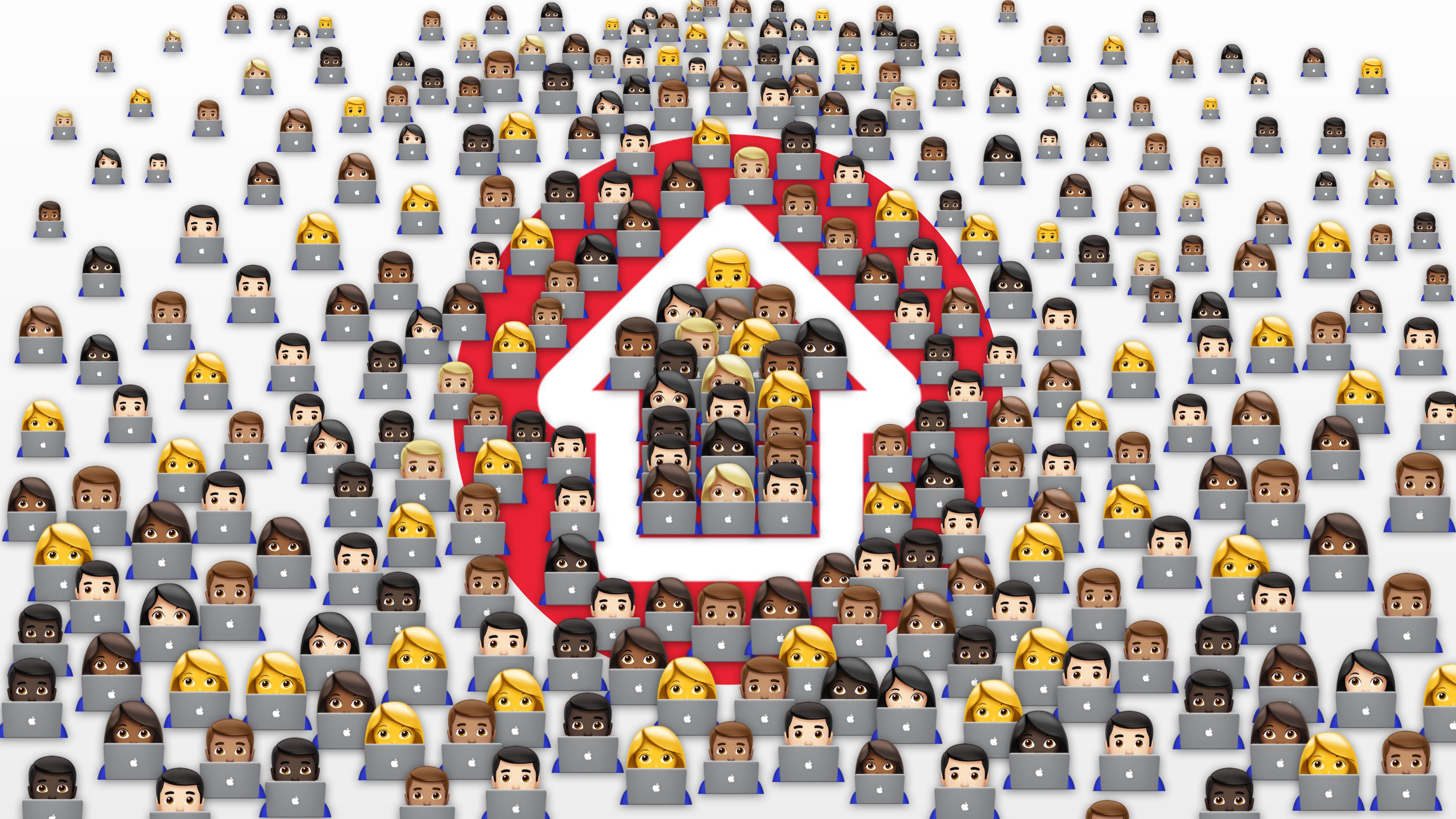
AUTOMATION
RUN RAMPANT!



@kate_deutscher







620 engineers

580 systems

Benefits



1 step processes

Reduced duplicated effort

Consistency



Pattern

Example

Application





Example

Kubernetes

```
♡ kubectl run hello-world --image=hello-world
```

```
♡ kubectl scale deployment hello-world --replicas 4
```

Example

Kubernetes

Simple

Highly opinionated

Many concerns

Application Speed

Simple ❤

Consistent ❤

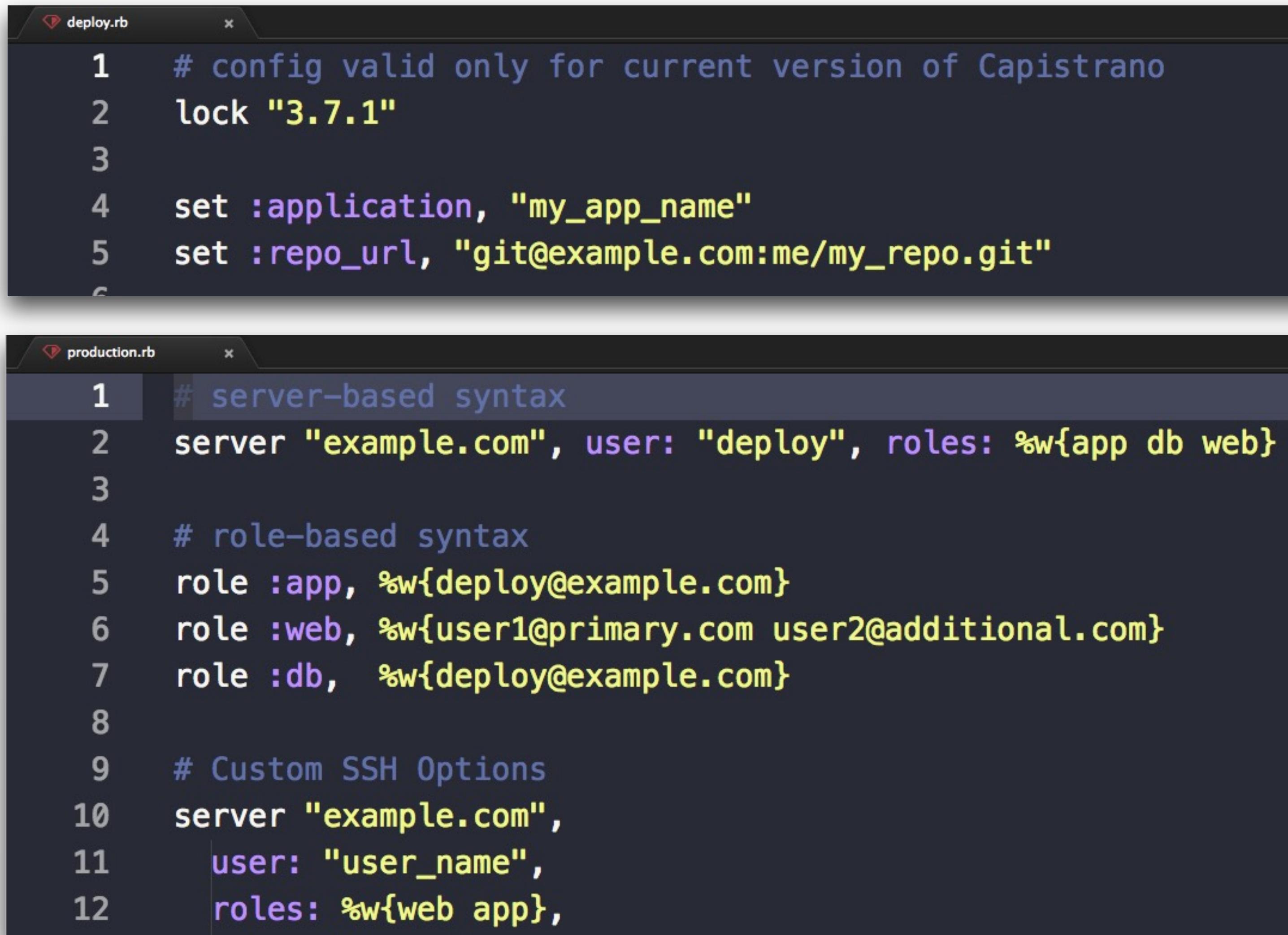
✗ Mandates

✗ Obvious

✗ Support



Example Capistrano



The image shows a terminal window with two tabs: 'deploy.rb' and 'production.rb'. The 'deploy.rb' tab contains the following code:

```
1 # config valid only for current version of Capistrano
2 lock "3.7.1"
3
4 set :application, "my_app_name"
5 set :repo_url, "git@example.com:me/my_repo.git"
6
```

The 'production.rb' tab contains the following code:

```
1 # server-based syntax
2 server "example.com", user: "deploy", roles: %w{app db web}
3
4 # role-based syntax
5 role :app, %w{deploy@example.com}
6 role :web, %w{user1@primary.com user2@additional.com}
7 role :db,  %w{deploy@example.com}
8
9 # Custom SSH Options
10 server "example.com",
11   user: "user_name",
12   roles: %w{web app},
```

Example

Capistrano

Single concern

Less opinionated

Requires more knowledge

Application Innovation

Flexible ❤

Understandable ❤

✗ Duplicated effort

✗ Variance

✗ Knowledge



Agent Admin



Complex development environment

Lots of developers

X

vim

⌘1

```
0 #!/bin/bash
1
2 bash ./script/styles_patch.bash
3
4 set -e
5
6 docker-compose up -d pseeker
7 exec docker-compose run --rm ${DOCKER_IMAGE_NAME}-app bundle "$@"
~
```

~

bundle

"bundle" 8L, 149C

Example

'./bundle'

Minimal layer of tooling

Provides consistent interface

Application Agility

Reduce friction ❤

Fast to develop ❤

✗ Quickly obsolete

✗ Obfuscating



Summary

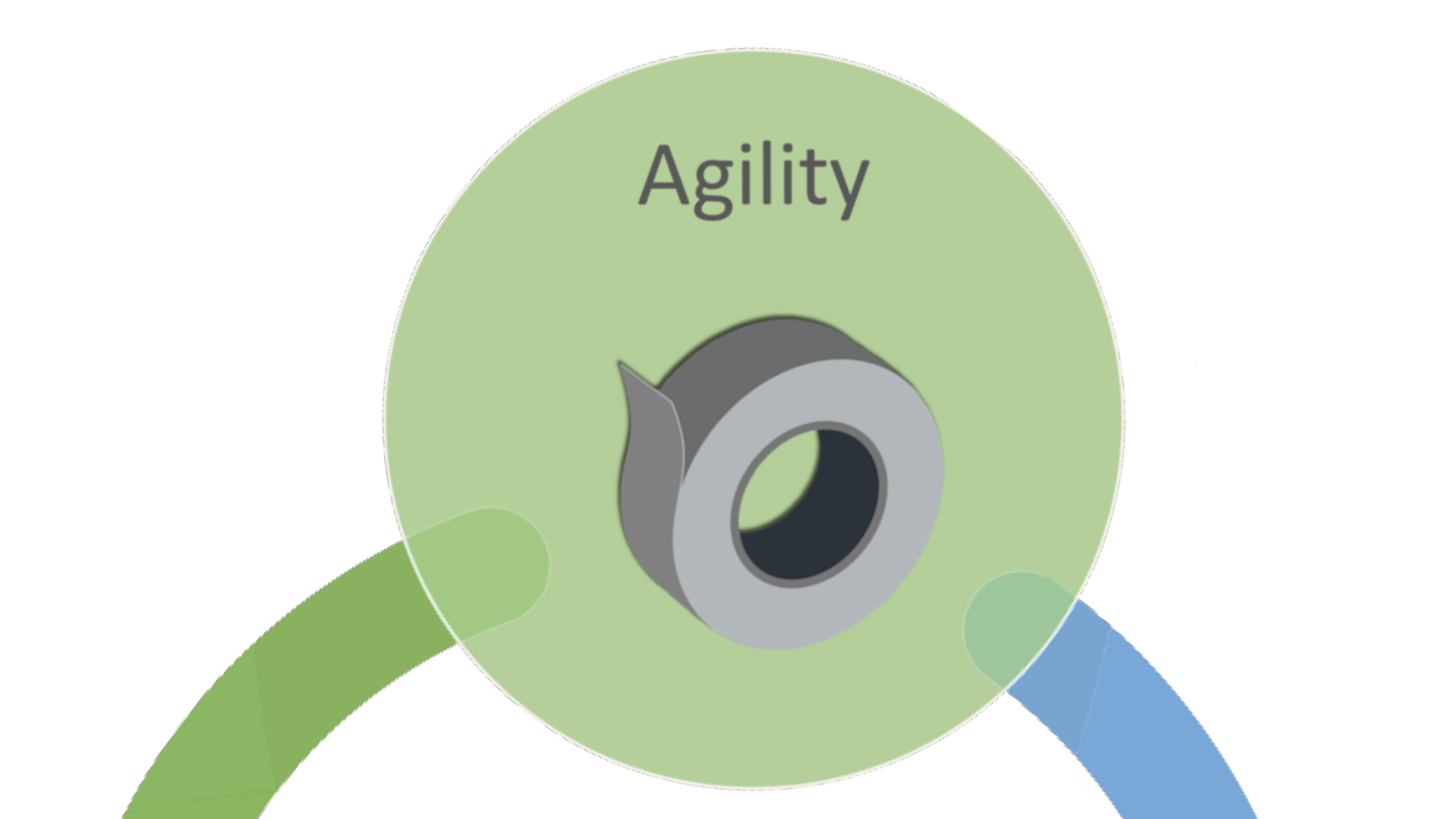


Speed



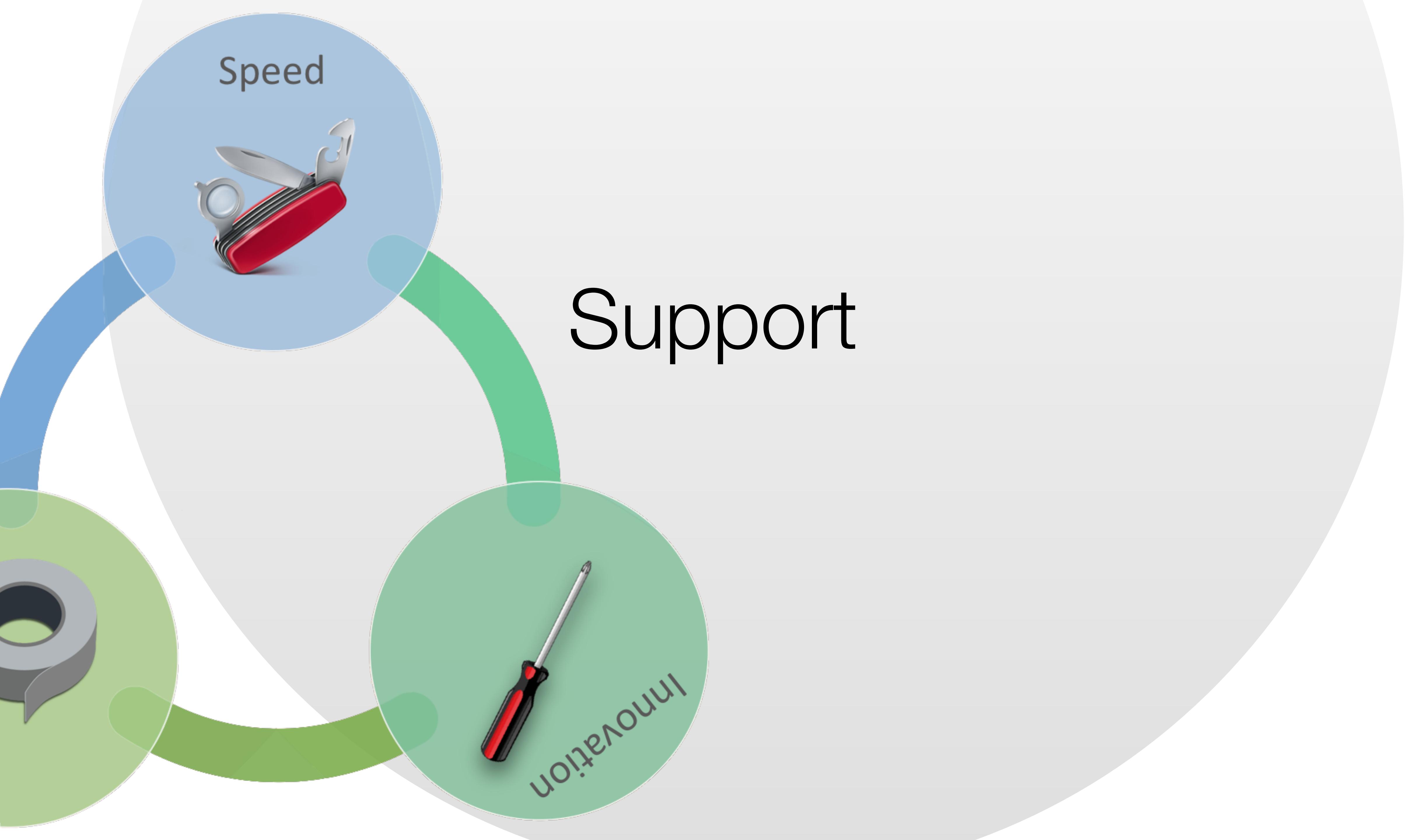
Innovation





Agility



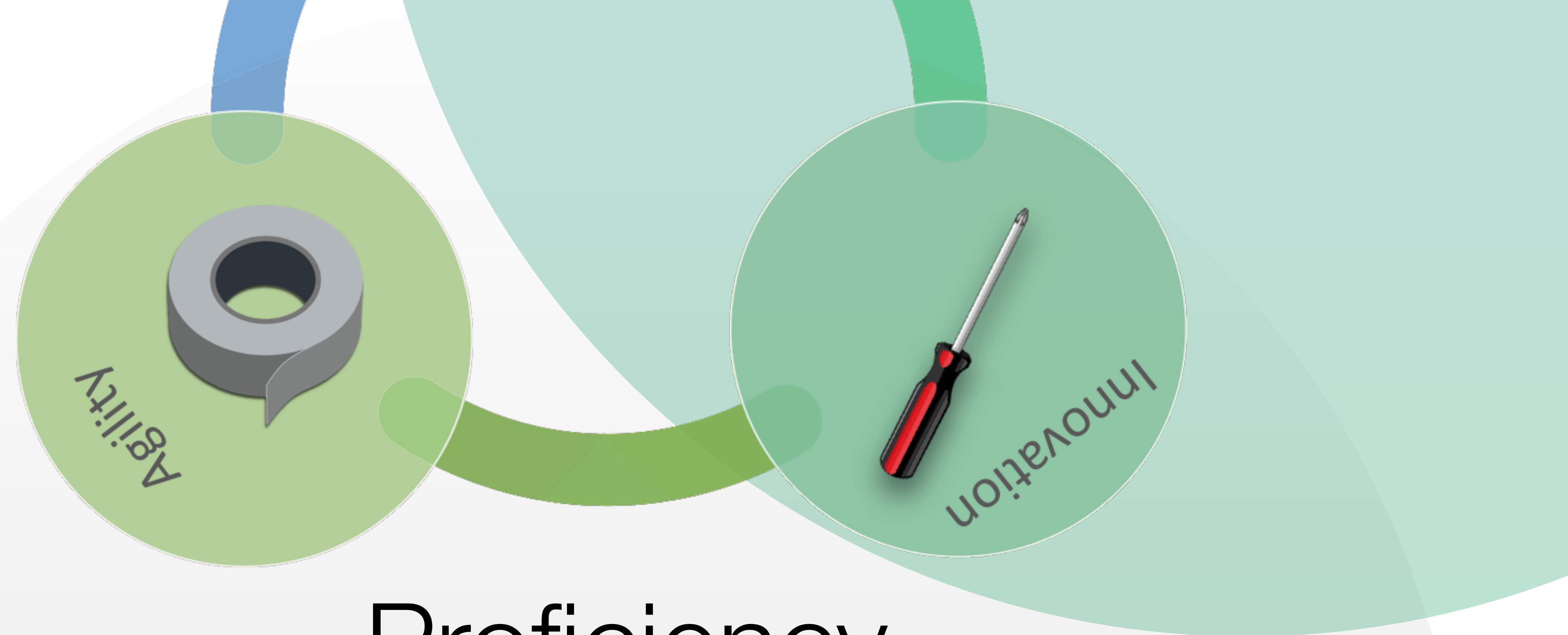


Speed

Support

Innovation

Proficiency

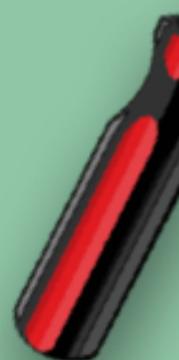
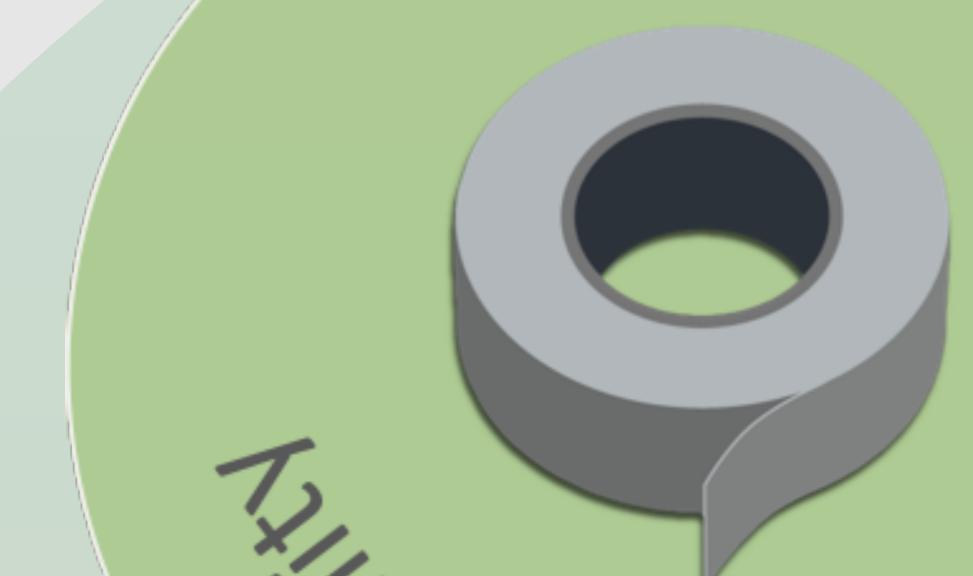


Inflexible

Speed



Agility



Inflexible

Support

Proficiency

Speed



Agility

Innovation

AUTOMATION
RUN RAMPANT!



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