

# A quick look at Inspec

Version 1.0

Author: Diederik de Graaf

To demo Inspec's features: <http://inspec.io/tutorial>

First of all it is necessary to create a key pair. We did this with `ssh-keygen -t rsa`. Because RSA is an accepted method with chef.

After generating an public/private key pair we put the public key in the `authorized_keys` file on the chef server. Allowing a connection between the two servers as demonstrated here.

```
inspec shell -t ssh://chef@server.stan.ooo -i  
/home/[your_username]/.ssh/id_rsa
```

```
stan@scanner:~$ echo $key $server  
/home/stan/.ssh/id_rsa ssh://chef@server.stan.ooo  
stan@scanner:~$ inspec shell -t $server -i $key  
/opt/inspec/embedded/lib/ruby/gems/2.3.0/gems/train-0.22.1/lib/train/transport  
s/forward_agent  
Welcome to the interactive InSpec Shell  
To find out how to use it, type: help  
  
You are currently running on:  
  
  OS platform:  ubuntu  
  OS family:    debian  
  OS release:   14.04  
  
inspec> █
```

```
inspec shell -c 'os.params' -t ssh://chef@server.stan.ooo -i  
/home/[your_username]/.ssh/id_rsa
```

```
/opt/inspec/embedded/lib/ruby/gems/2.3.0/gems/train-0.22.1/lib/train/transport  
s/ssh_connection.rb:188:in `establish_connection': Passing nil, or [nil] to  
Net::SSH.start is deprecated for keys: forward_agent  
{:name=>"ubuntu", :family=>"debian", :release=>"14.04", :arch=>"x86_64"}  
diederik@scanner:~$ █
```

```
describe file('/home/chef') do it { should exist } and its ('mode') {  
  should cmp '0750' } end
```

```
inspec> describe file('/home/chef') do it { should exist } and its('mode') { should cmp '0755' } end

Profile: inspec-shell
Version: (not specified)

File /home/chef
  ✓ should exist
  □ mode should cmp == "0755"

    expected: "0755"
    got: "0700"

    (compared using `cmp` matcher)

Test Summary: 1 successful, 1 failures, 0 skipped
```