Verify it!

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Wouldn't it be wonderflow to be sure how the infrastructure is behaving?

better verify..

» But dev is already testing..
» in a Testkitchen
» Staging was tested as well

- » describe Tests for checking correct server configuration
- » *Spec [Serverspec, Inspec, ..]

```
1 describe service('ssh'), :if => os
      [:family] == 'debian' do
2   it { should be_enabled }
3   it { should be_running }
4 end
5 describe port(22) do
6   it { should be_listening }
7 end
```

```
andre@stretch3:~$ rake spec:localhost
/usr/bin/ruby2.3 -I/var/lib/gems/2.3.0/gems/rspec-support-3.7.0/lib:/var/lib/gems/2.3.
0/gems/rspec-core-3.7.0/lib /var/lib/gems/2.3.0/gems/rspec-core-3.7.0/exe/rspec --patt
ern spec/localhost/\*_spec.rb

Service "apache2"
  should be enabled
  should be running

Port "80"
  should be listening

Service "ssh"
  should be enabled
  should be running

Port "22"
  should be listening

Finished in 0.03854 seconds (files took 0.35375 seconds to load)
6 examples, 0 failures

andre@stretch3:~$
```

SERVERSPEC +

- Monitoring Software
- scalable
- Recycle checks from Nagios, Zabbix, ..
- automatable
- dynamic client registry
- Metrics support
- API

» Output to STDOUT / STDERR
» Return Codes
+ 0 Ok, 1 Warning, 2 Critical
» cmd line args (optional)
» "Plugins must be executable files that are discoverable on the Sensu system "
» "command": "check-http.rb -u https://sensuapp.org"

```
 1  {
 2    "checks": {
 3      "api_health": {
 4        "command": "check-http.rb -u https://api.example.com/health",
 5        "standalone": true,
 6        "interval": 60,
 7        "refresh": 60
 8      }
 9    }
10  }
```

/etc/sensu/conf.d/speccheck.json

```json
1  {
2    "checks": {
3      "Spec_check": {
4        "command": "/etc/sensu/
           plugins/check-serverspec
           -d /var/lib/check_dir",
5        "interval": 3600,
6        "subscribers": [ "webserver"
           ]
7      }
8    }
9  }
```

/etc/sensu/conf.d/client.json

```json
1  {
2    "client": {
3      "name": "webnode42",
4      "address": "10.11.12.13",
5      "subscriptions": [
6      "webserver"
7      ],
8    "socket": {
9      "bind": "127.0.0.1",
10     "port": 3030
11   }
12   }
13 }
```

» not too often
» just don't run out of compliance

» https://sensuapp.org
» https://sensuapp.org/docs/latest/reference/plugins.html
» Check out: Open Source Monitoring Guide