



βetamax

Rob Fletcher

@rfletcherEW

<http://freeside.co>

The impetus



HTTP connections in tests



Solution 1: Fake HTTP Server



Solution 2: Mock HTTP layer



Tests need to be...

Repeatable

Reliable

Realistic

Meanwhile in Ruby...

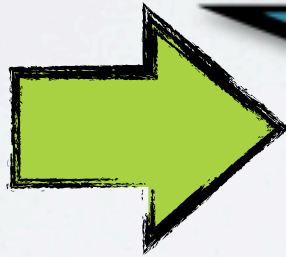
```
require 'rubygems'
require 'test/unit'
require 'vcr'

VCR.config do |c|
  c.cassette_library_dir = 'fixtures/vcr_cassettes'
  c.stub_with :webmock # or :fakeweb
end

class VCRTest < Test::Unit::TestCase
  def test_example_dot_com
    VCR.use_cassette('synopsis') do
      response = Net::HTTP.get_response(URI('http://www.iana.org/domains/example'))
      assert_match /Example Domains/, response.body
    end
  end
end
```

<https://www.relishapp.com/myronmarston/vcr>

Porting to JVM / Groovy



The Betamax Proxy



Using Betamax: JUnit

```
class TwitterServiceTest {  
  
    @Rule public Recorder recorder = new Recorder()  
  
    def twitterService = new TwitterService()  
  
    @Betamax(tape = "twitter ok")  
    @Test void searchesTweets() {  
        def tweets = twitterService.search("#cocktailclub")  
  
        assert tweets.size() == 20  
        assert tweets.text.every { it =~ /#cocktailclub/ }  
    }  
}
```

Using Betamax: Spock

```
class TwitterServiceSpec extends Specification {  
  
    @Rule Recorder recorder = new Recorder()  
  
    def twitterService = new TwitterService()  
  
    @Betamax(tape = "twitter ok")  
    def "searches tweets"() {  
        when:  
            def tweets = twitterService.search("#cocktailclub")  
  
        then:  
            tweets.size() == 20  
            tweets.text.every { it =~ /#cocktailclub/ }  
    }  
}
```

Matching Requests to Tapes

```
import static betamax.MatchRule.*
```

```
@Betamax()
```

```
@Betamax(match = host)
```

```
@Betamax(match = [method, uri, body])
```

```
@Betamax(match = [method, uri, headers])
```

```
@Betamax(match = [method, host, path])
```

Tape modes

```
import static betamax.TapeMode.*
```

```
@Betamax(mode = READ_WRITE)
```

```
@Betamax(mode = READ_ONLY)
```

```
@Betamax(mode = WRITE_ONLY)
```


Tape Files



Testing Practices



An example would be nice
right now...

The future of Betamax



github.com/robletcher/betamax/issues



<http://freeside.co/betamax>

<http://git.io/betamax>

[@betamaxtest](#)



<http://freeside.co>

[@rfletcherEW](#)