



## Alfresco WCM Testing Framework



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## Installing Ruby for Windows

1. Download Ruby from <http://www.ruby-lang.org/en/downloads>
2. Download the 1.8.6 One-Click Installer
3. Run the installer
4. Testing the installation

```
ruby -v
```

```
ruby 1.8.6 (2008-08-11 patchlevel 287) [i386-mswin32]
```

## Installing the Ruby Gems

1. Open your command window

```
gem install watir
```

2. Test the gem using irb

```
c:\Ruby\bin>irb
```

```
irb(main):001:0> require 'rubygems'
```

```
=> false
```

```
irb(main):002:0> require 'watir'
```

```
=> true
```

```
irb(main):003:0> ie = Watir::IE
```

```
=> Watir::IE
```

```
irb(main):004:0> ie.new_process
```

3. This should launch a new Internet Explorer window

## Installing Git

1. Download and run the GIT installer from <http://code.google.com/p/msysgit/downloads/list>
2. You will want the Git-1.6.4-preview20090730.exe
3. Open your command tool and type git

```
git --version
```

```
git version 1.6.4.msysgit.0
```

## Downloading the Testing Framework

1. Open your command tool
2. Change directories to the location you want the code store in

```
cd \Projects\Ruby
```

3. Run the git clone command

```
c:\Projects\Ruby>git clone git://github.com/leefaus/  
alfresco-openqa.git alfresco-openqa
```

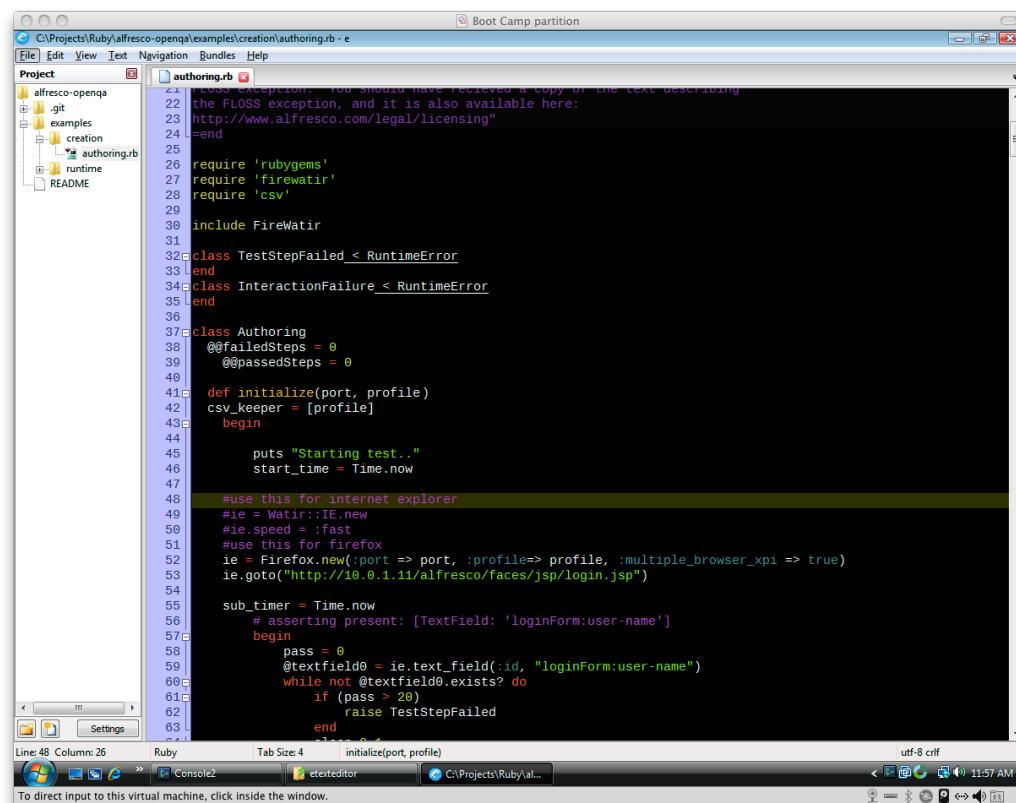
4. Change directories to alfresco-openqa

```
cd alfresco-openqa
```

5. You should see a folder structure for the project. All of the code examples are in the examples folder

## Making the Examples for Internet Explorer

Some modifications are required to use IE instead of Firefox. See code below.



The screenshot shows a text editor window titled 'authoring.rb' with a file explorer on the left. The file explorer shows a directory structure with 'alfresco-openqa', 'examples', 'creation', 'runtime', and 'README'. The main text area contains Ruby code for a testing framework. A comment on line 48 indicates a modification for Internet Explorer. The code defines a 'TestStepFailed' exception, an 'InteractionFailure' exception, and an 'Authoring' class. The 'Authoring' class has an 'initialize' method that sets up a browser. The browser is set to 'ie' (Internet Explorer) on line 49, with 'ie.speed = :fast' on line 50. The 'ie' object is created on line 52, and the 'goto' method is called on line 53. The 'sub\_timer' is set to 'Time.now' on line 55, and the 'asserting present' method is called on line 56. The 'begin' block on line 57 contains the test logic, including a 'pass = 0' on line 58, a 'while not @textfield0.exists? do' loop on line 59, and a 'raise TestStepFailed' on line 62.

```
21: FLOSS exception. You should have received a copy of the text describing
22: the FLOSS exception, and it is also available here:
23: http://www.alfresco.com/legal/licensing"
24: end
25:
26: require 'rubygems'
27: require 'firewatir'
28: require 'csv'
29:
30: include FireWatir
31:
32: class TestStepFailed < RuntimeError
33: end
34: class InteractionFailure < RuntimeError
35: end
36:
37: class Authoring
38:   @@failedSteps = 0
39:   @@passedSteps = 0
40:
41:   def initialize(port, profile)
42:     csv_keeper = [profile]
43:     begin
44:       puts "Starting test.."
45:       start_time = Time.now
46:
47:       #use this for internet explorer
48:       ie = Watir::IE.new
49:       ie.speed = :fast
50:       #use this for firefox
51:       ie = Firefox.new(:port => port, :profile=> profile, :multiple_browser_xpi => true)
52:       ie.goto("http://10.0.1.11/alfresco/faces/jsp/login.jsp")
53:
54:       sub_timer = Time.now
55:       # asserting present: [TextField: 'loginForm:userName']
56:       begin
57:         pass = 0
58:         @textfield0 = ie.text_field(:id, "loginForm:userName")
59:         while not @textfield0.exists? do
60:           if (pass > 20)
61:             raise TestStepFailed
62:           end
63:         end
64:       end
65:     end
66:   end
67: end
```

## Committing Changes Back to the Community

If you are interested in contributing to this project, please see this <http://github.com/alfresco/wcm-testing-framework/guides/home>. All contributions are welcome!