Rally Ruby REST API Configuration Guide and test_folder_deep_copy.rb script usage

Introduction

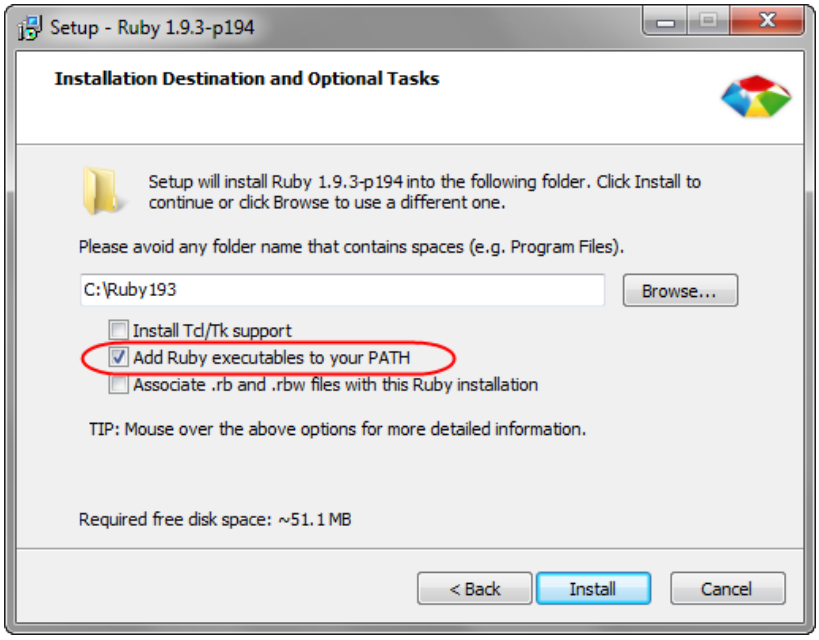
The Rally REST API tool is built on a Ruby interface to the Rally REST web service API. This script is *not officially supported* and is *used at your own risk.*

This document is composed of the following sections:

1. Installing Ruby on Windows

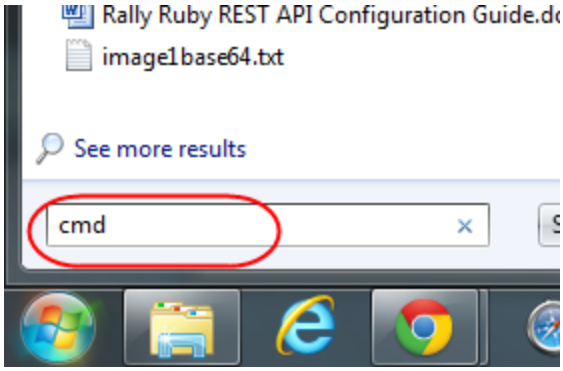
Install the Ruby 1.9.3 (preferable) Runtime Environment: http://rubyinstaller.org/downloads/

1. During installation, please make sure to add the Ruby executable to your Path:

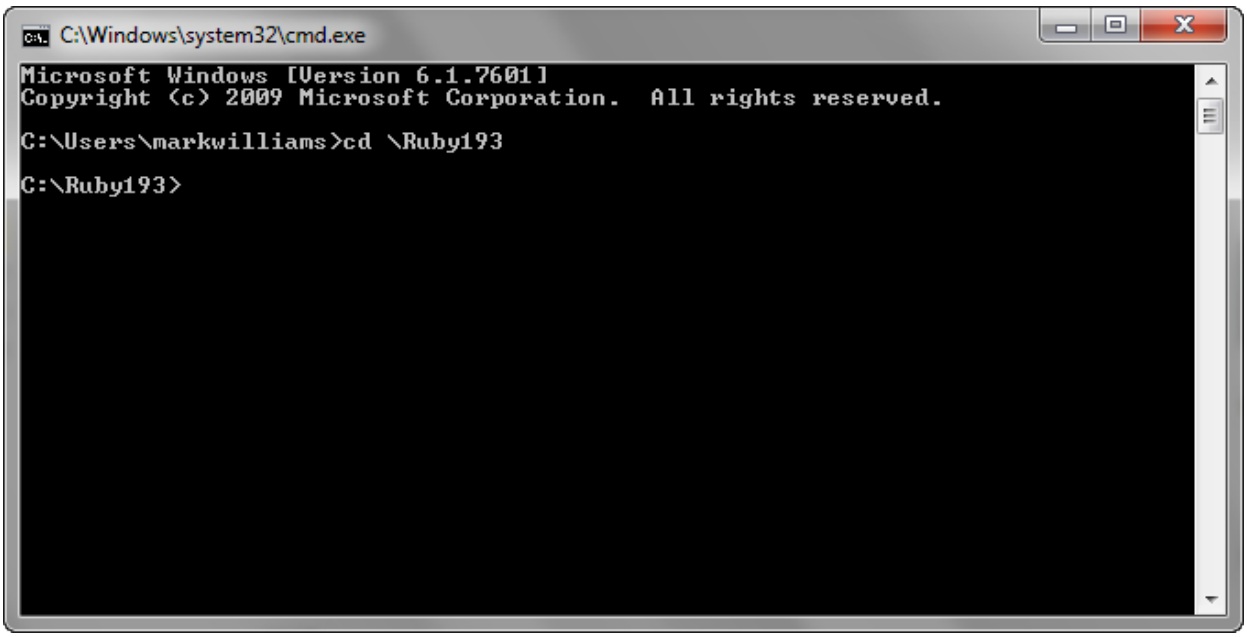


2. Open a command prompt window and go to the ruby directory that was created. In this example, Ruby was installed into C:\Ruby193:

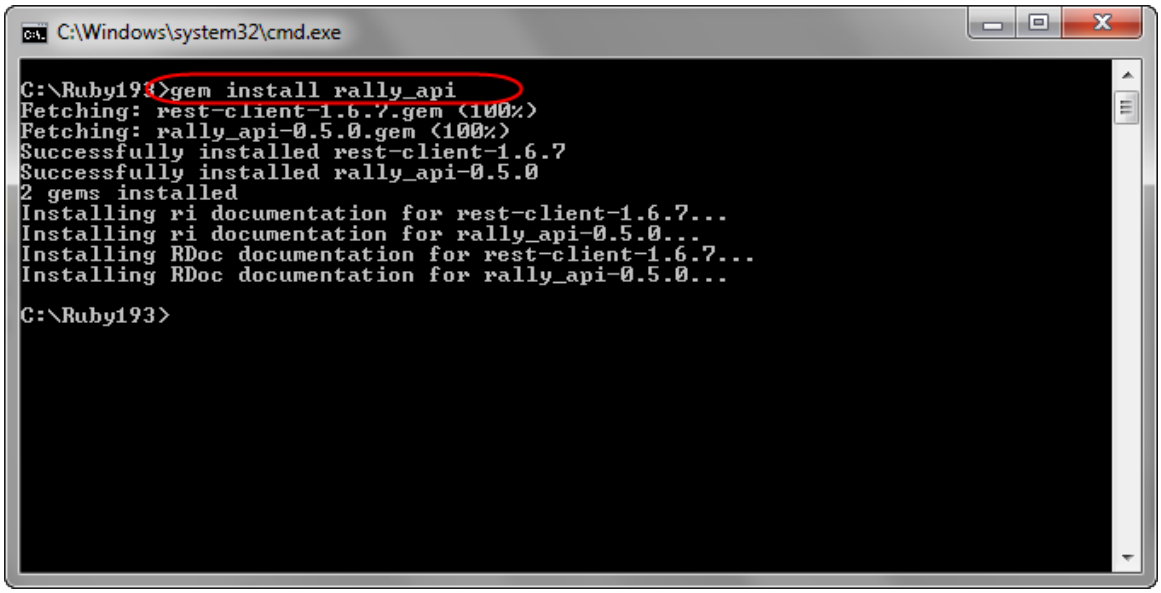
    a. Click on your “Start” button, then enter cmd into the search dialog and hit Enter.



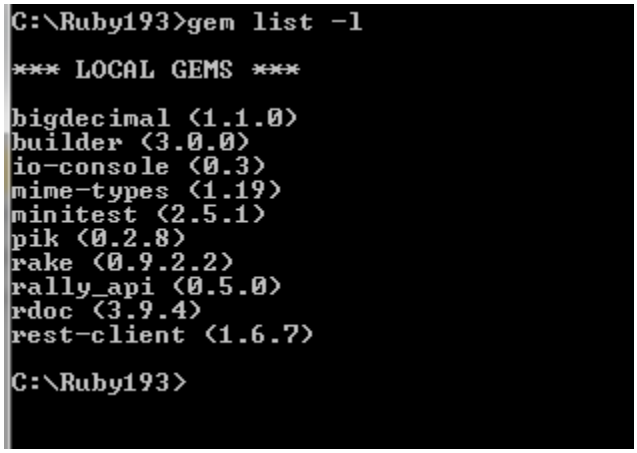
3. The Command prompt window appears. Navigate to where you installed Ruby:



4. Install the rally_api gem. This will also install its dependent gems.



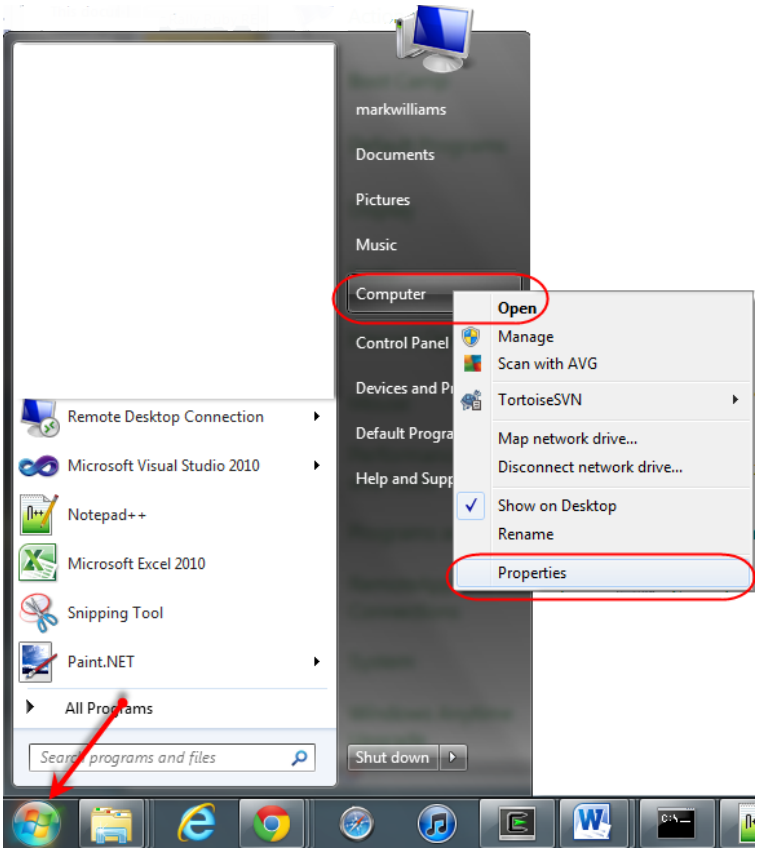
5. When finished, you can verify all RubyGems installed by typing "**`gem list -l`**":



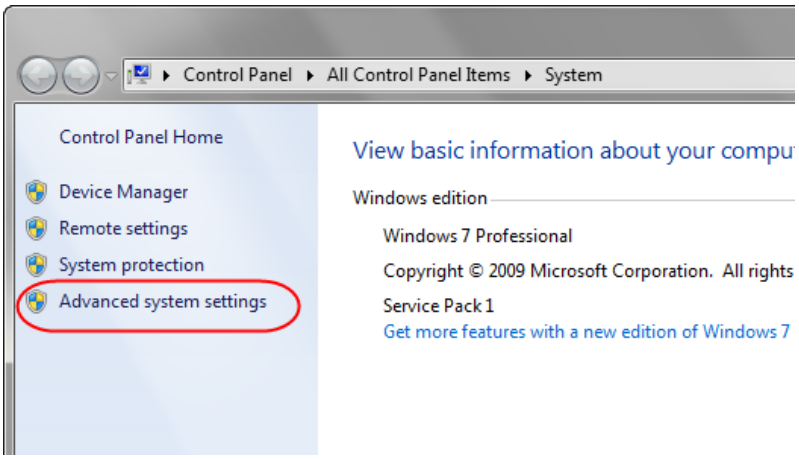
2. Configuring a Proxy Server

1. If your company is behind a firewall or a proxy server, you may need to take additional steps in order to run Rally ruby scripting tools. To access the internet via a proxy-server using Windows, go to:

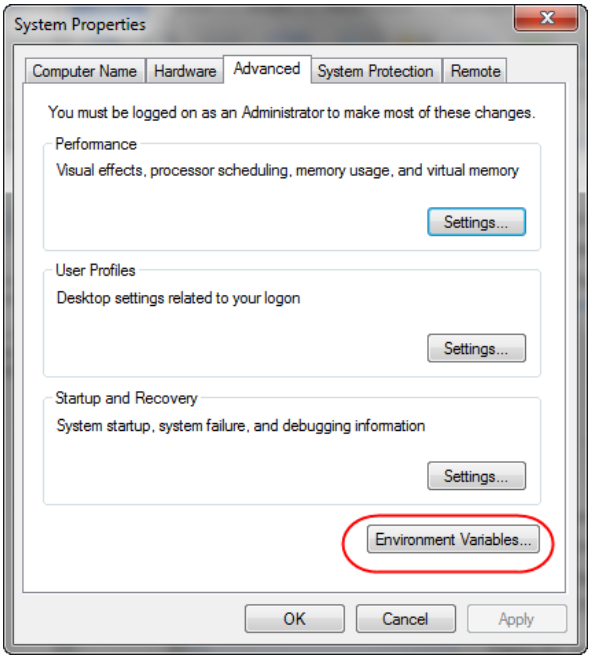
   Start -> Computer (Right Click) -> Properties:



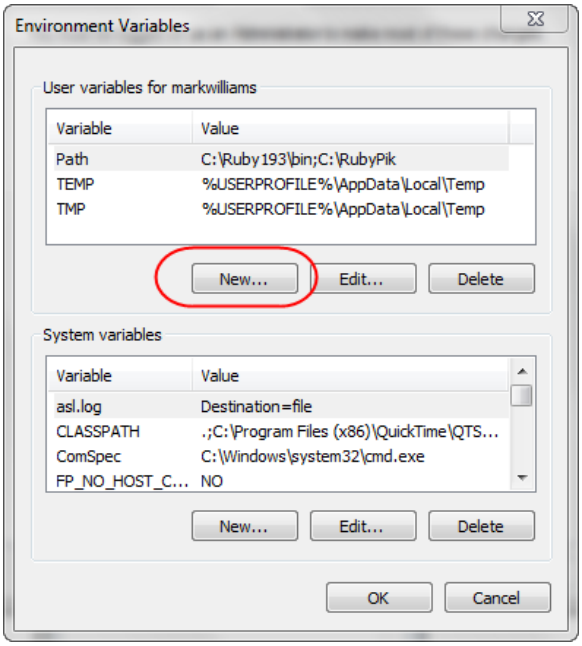
2. Advanced System Settings:



3. Environment Variables:



4. Use the New button to create a new environment variable:

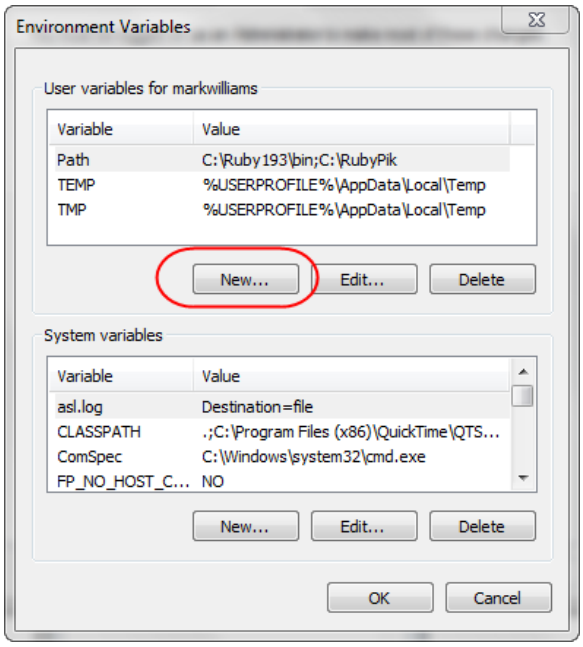


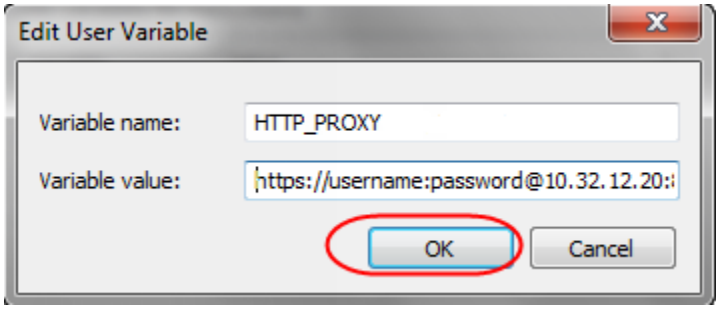
5. Create the following environment variables:

- **HTTP_PROXY**
- **HTTPS_PROXY**
- **FTP_PROXY**

The value for each of the 3 variables is *usually* the same and of the general format:
http://[name:password@]ipaddress:port/

6. Create HTTP_PROXY as an example:



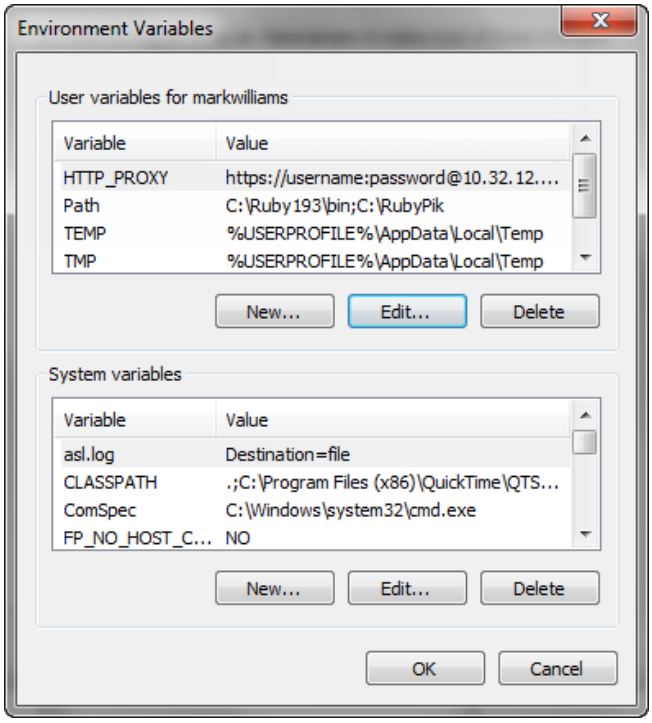


In this example you entered:

Variable name: HTTP_PROXY
Variable value: https://username:password@10.32.12.20:8080

The actual values of username, password, and the proxy server address:port (10.32.12.20:8080) are going to vary according to your environment. You may need to check with your IT department concerning the appropriate information.

7. Completed Environment Variable Entry:



Note that you will have to open a ***New Command Prompt window*** after creating any environment variables in order for them to take effect in the Command prompt.

3. Configuring and Using the Test Folder Deep Copy script

1. Create directory for script and associated files:

   C:\Users\username\Documents\Rally Test Folder Deep Copy\

2. Download the my_vars.rb script and the test_folder_deep_copy.rb script files to the above directory

3. Using a text editor, customize the code parameters in the my_vars.rb file for your environment.

```
my_vars.rb:
===========

$my_base_url                    = "https://rally1.rallydev.com/slm"
$my_username                    = "user@company.com"
$my_password                    = "topsecret"
$wsapi_version                  = "1.40"
$my_workspace                   = "My Workspace"
$my_project                     = "My Project 1"

# Target project: (can be same as source)
$target_project_name            = "My Project 2"

# Source Test Folder
$source_test_folder_formatted_id = "TF5"
```

4. Run the script.

```
C:\> ruby test_folder_deep_copy.rb

Created new top-level Test Folder: TF32: (Copy of) Slope & Aspect Test
Folders
Created new child Test Folder: TF33: Slope Grid Test Cases
Test Case: TC281 successfully copied to TF33
Test Case: TC288 successfully copied to TF33
Test Case: TC271 successfully copied to TF33
Test Case: TC272 successfully copied to TF33
Test Case: TC273 successfully copied to TF33
Test Case: TC274 successfully copied to TF33
Test Case: TC275 successfully copied to TF33
Test Case: TC276 successfully copied to TF33
Test Case: TC278 successfully copied to TF33
Test Case: TC280 successfully copied to TF33
Test Case: TC282 successfully copied to TF33
Test Case: TC283 successfully copied to TF33
Created new child Test Folder: TF36: Aspect Sub-Sub Test Cases
Test Case: TC177 successfully copied to TF36
===> Copied TestCaseStep:
https://rally1.rallydev.com/slm/webservice/1.40/testcasestep/10644387808.js
===> Copied AttachmentContent:
https://rally1.rallydev.com/slm/webservice/1.40/attachmentcontent/10644387829
.js
===> Copied Attachment:
https://rally1.rallydev.com/slm/webservice/1.40/attachment/10644387830.js
...
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Please Note: This will make copies of ALL Test Folders and Test Cases within the Test Folder hierarchy. Please be CAUTIOUS WHEN USING THIS SCRIPT.