Rally Ruby REST API Configuration Guide and Rally Bulk Delete scripts usage

Introduction

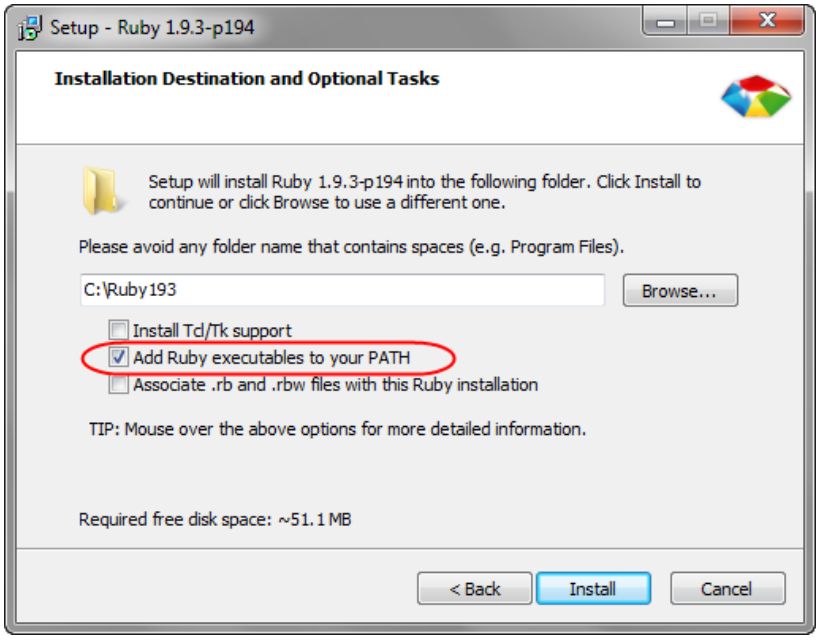
The Rally REST API tool is built on a Ruby interface to the Rally REST web service API. This script is *not officially supported* and is *used at your own risk.*

This document is composed of the following sections:

1. Installing Ruby on Windows

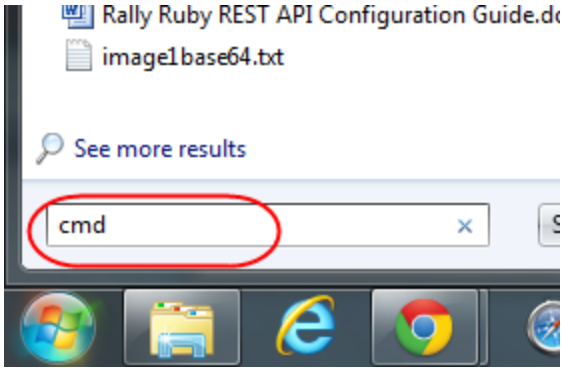
Install the Ruby 1.9.3 (preferable) Runtime Environment: http://rubyinstaller.org/downloads/

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

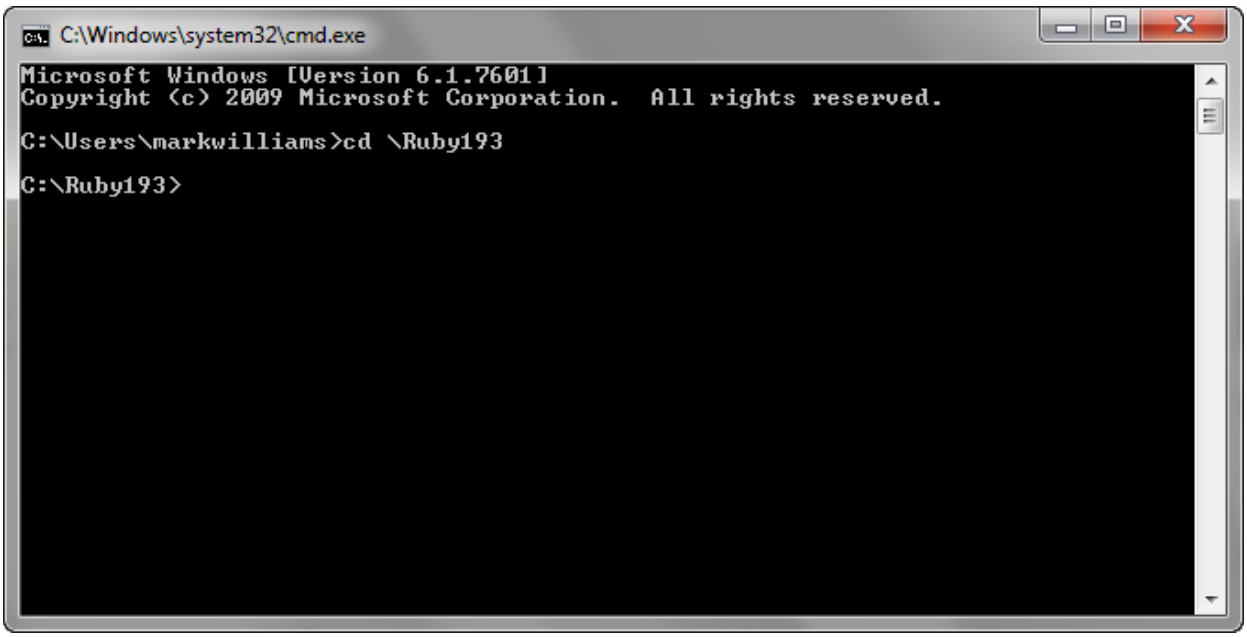


2. Open a command prompt window and go to the ruby directory that was created. In this example, Ruby was installed into C:\Ruby193:

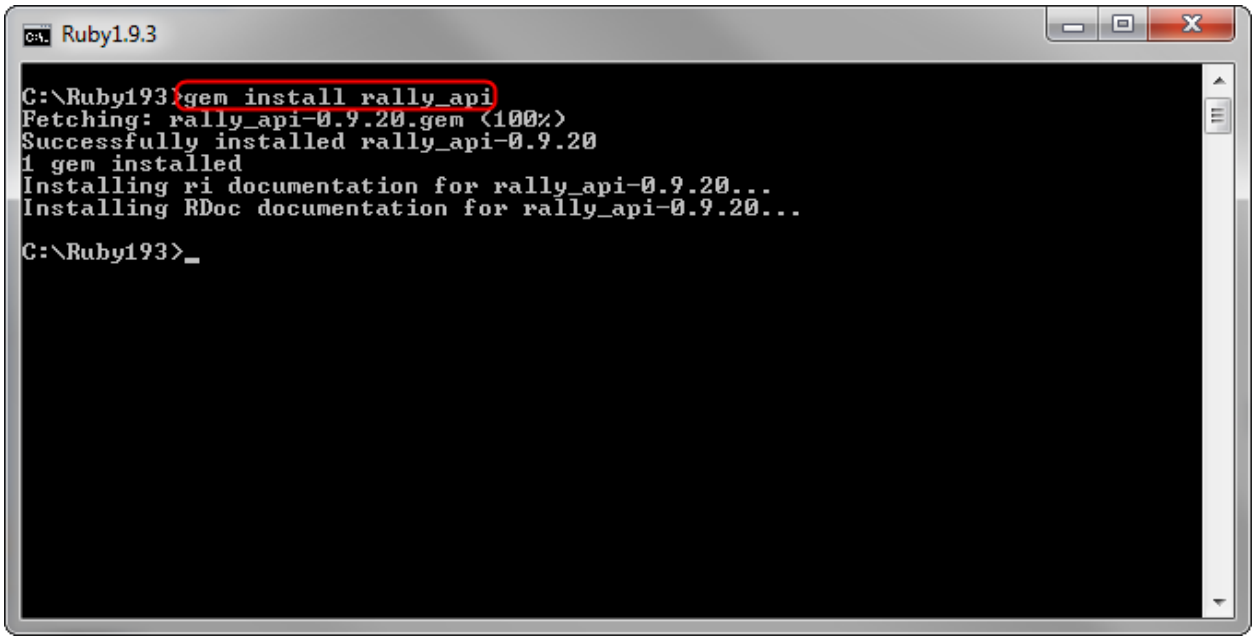
    a. Click on your “Start” button, then enter cmd into the search dialog and hit Enter.



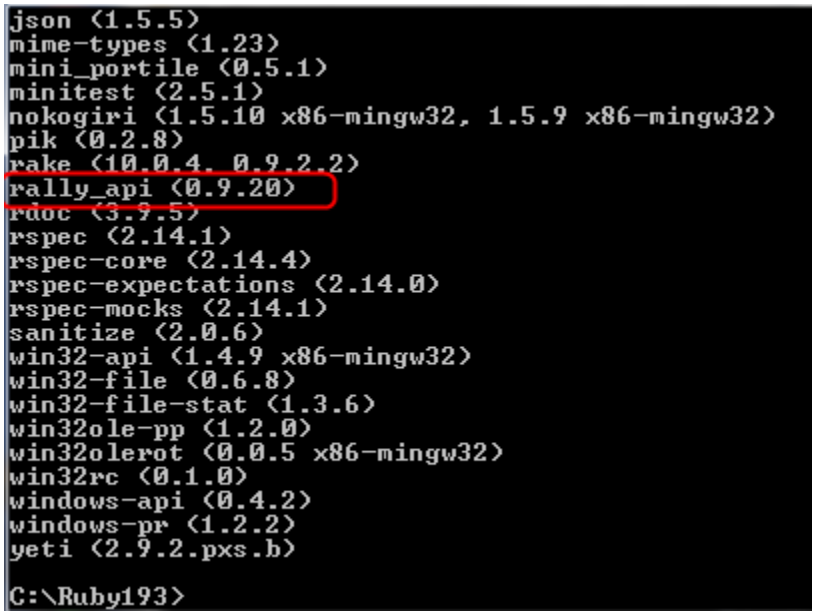
3. The Command prompt window appears. Navigate to where you installed Ruby:



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



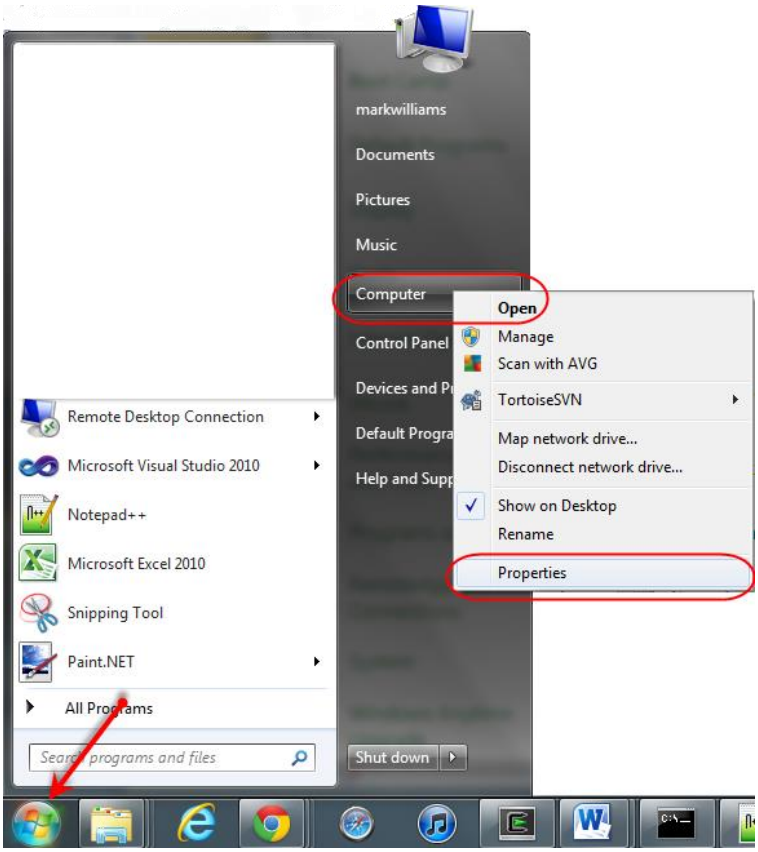
5. When finished, you can verify all RubyGems installed by typing "**`gem list -l`**":



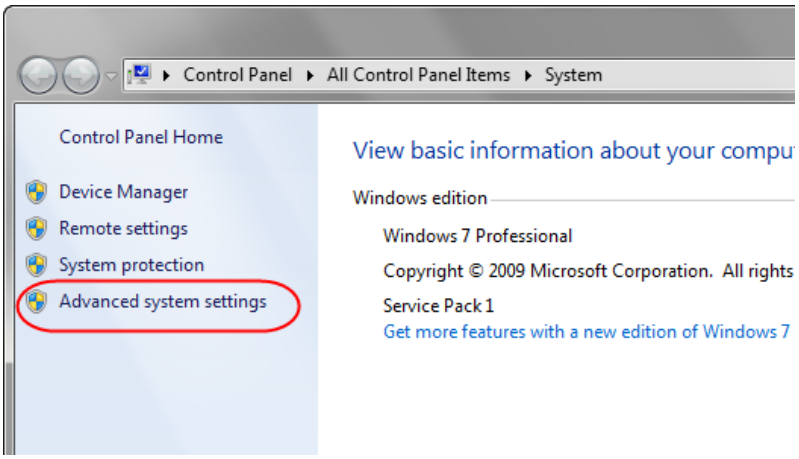
2. Configuring a Proxy Server

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:

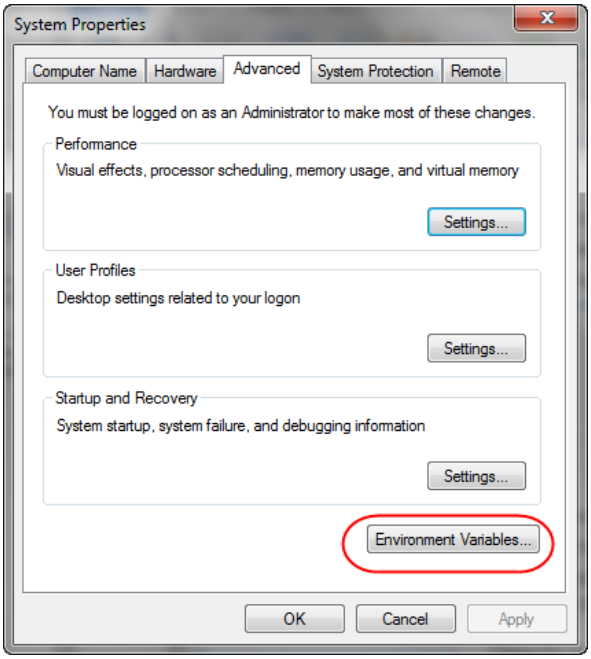
   Start -> Computer (Right Click) -> Properties:



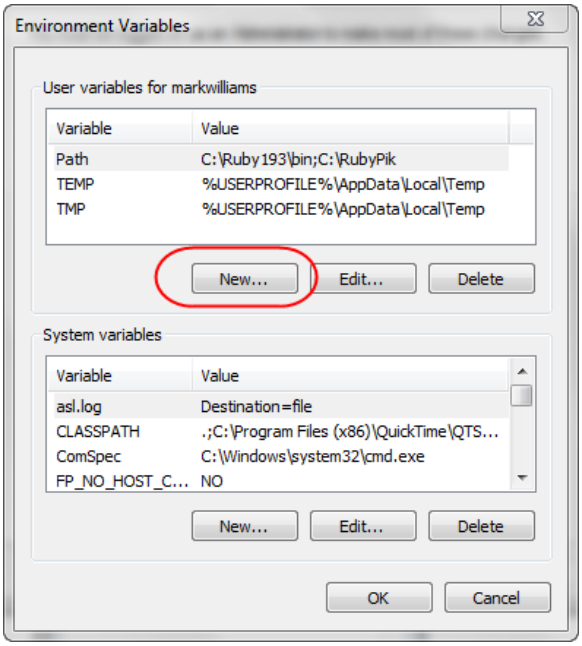
2. Advanced System Settings:



3. Environment Variables:



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

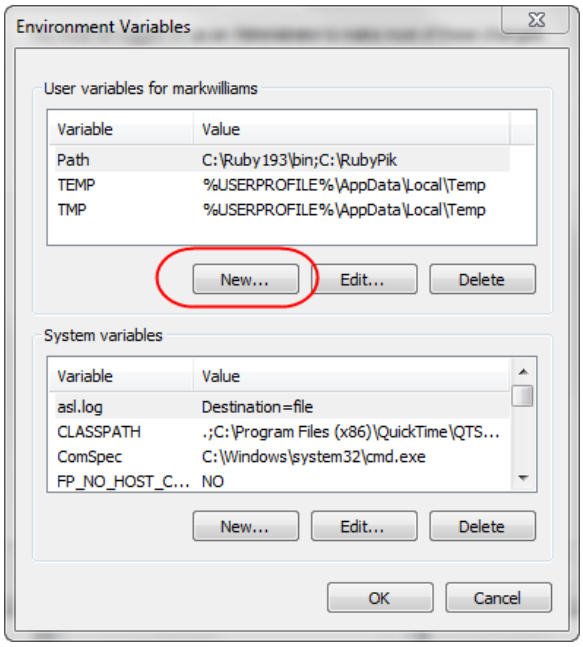


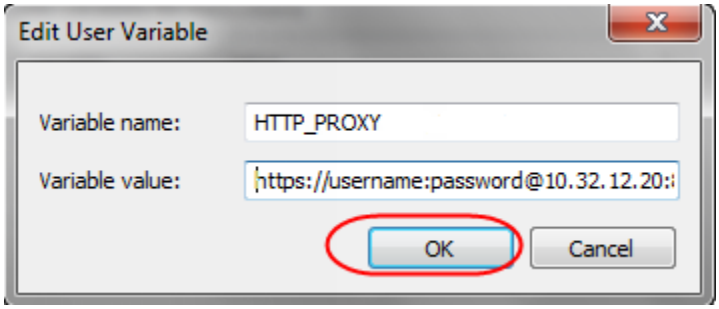
5. Create the following environment variables:

- **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:



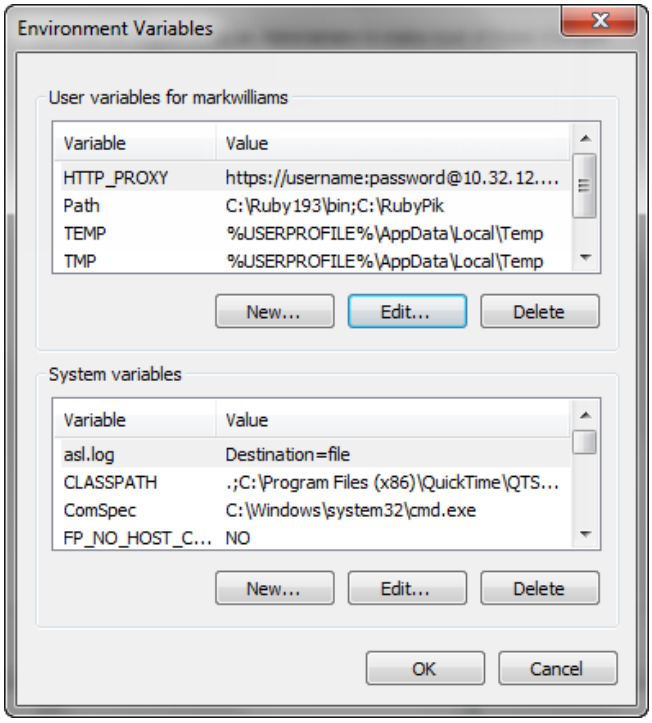


In this example you entered:

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:



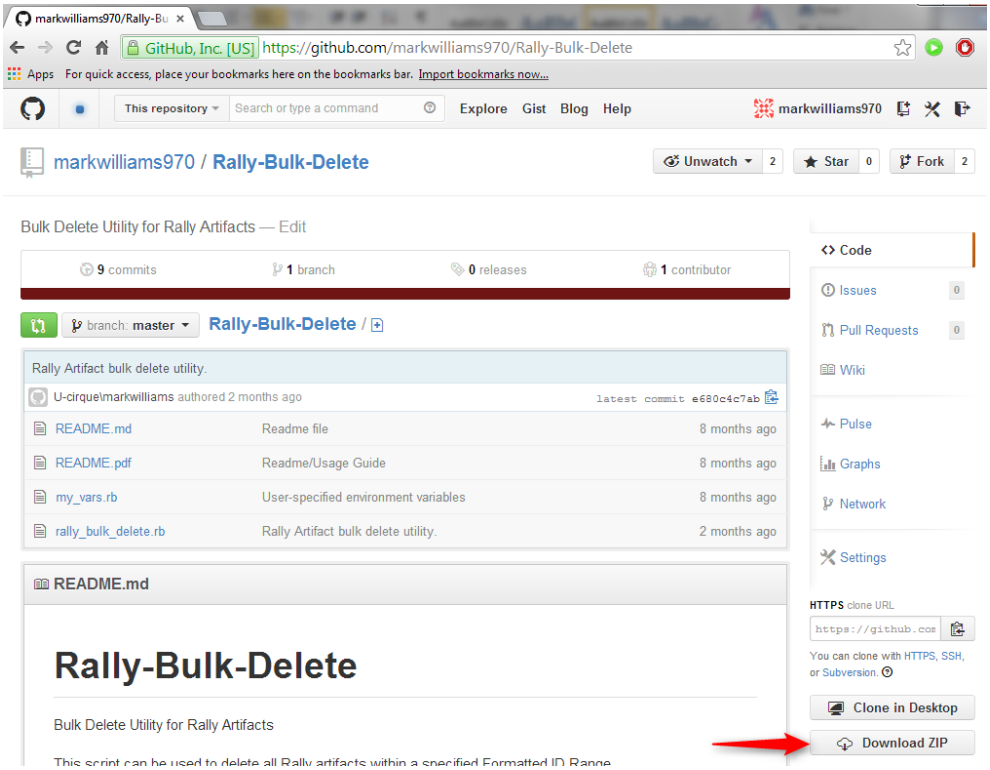
Note that you will have to open a ***New Command Prompt window*** after creating any environment variables in order for them to take effect in the Command prompt.

3. Configuring and Using the Rally Bulk Delete Script

1. Create directory for script and associated files:

   C:\Users\username\Documents\Rally Bulk Delete\

2. Download the script repository from Github using the “Download ZIP” button:



3. This script can be used to delete all Rally artifacts within a specified Formatted ID Range. Valid Artifact Types include any item that can be identified by a Formatted ID: User Stories (US), Defects (DE), Tasks (TA), Test Cases (TC), and Portfolio Items (T, I, F). The user will be prompted to confirm each Artifact for deletion.
    1. The user will be prompted to enter Starting and Ending Formatted ID's for Deletion Range.
    2. Note that the Range is INCLUSIVE. The Artifacts corresponding to the start and end of the Range will be included in deletion attempt.

4. 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 = "password"
$my_workspace = "My Workspace"
$my_project = "My Project"
$project_scope_down = true
$wsapi_version = "1.43"
```

5. Run the script.

```
C:\> ruby rally_bulk_delete.rb
This script can be used to delete all Rally artifacts within a specified
Formatted ID Range.
Located in Workspace: My Workspace and Project: My Project.
Valid Artifact Types include any item that can be identified by a Formatted
ID:
```

```
User Stories (US), Defects (DE), Tasks (TA), Test Cases (TC), and Portfolio
Item
s (T, I, F)
User will be prompted to confirm each Artifact for deletion.
Please enter Starting and Ending Formatted ID's for Deletion Range.
Note that the Range is INCLUSIVE. The Artifacts corresponding to the start
and end of the Range will be included in deletion attempt.
Enter Starting Formatted ID of Deletion Range: US80
Enter Ending Formatted ID of Deletion Range: US90
Connecting to Rally: https://rally1.rallydev.com/slm as user@company.com...
Successfully connected to Rally.
Querying for: hierarchicalrequirements...
Found 11 artifacts for possible deletion.
Start processing deletions...
Processing deletion for artifact 1 of 11.
Deleting artifact US80: My Story 0...
Really delete? [Y/n]:Y
DELETED US80: My Story 0
Processing deletion for artifact 2 of 11.
Deleting artifact US81: My Story 1...
Really delete? [Y/n]:n
Did NOT delete US81: My Story 1.
Processing deletion for artifact 3 of 11.
Deleting artifact US82: Investigate Use of Open-Source GDAL Libs Online
Computational Engine...
Really delete? [Y/n]:Y
DELETED US82: Investigate Use of Open-Source GDAL Libs Online Computational
Engine
Processing deletion for artifact 4 of 11.
Deleting artifact US83: Lorem ipsum sit dolor amet...
Really delete? [Y/n]:Y
DELETED US83: Lorem ipsum sit dolor amet
Processing deletion for artifact 5 of 11.
Deleting artifact US84: User Story 2, Iteration X...
Really delete? [Y/n]:Y
DELETED US84: User Story 2, Iteration X
Processing deletion for artifact 6 of 11.
Deleting artifact US85: User Story 1, Iteration X...
Really delete? [Y/n]:Y
DELETED US85: User Story 1, Iteration X
Processing deletion for artifact 7 of 11.
Deleting artifact US86: SOAP Webservice Update...
Really delete? [Y/n]:Y
DELETED US86: SOAP Webservice Update
Processing deletion for artifact 8 of 11.
Deleting artifact US87: Test User Story with XML in Descriptio n...
Really delete? [Y/n]:n
Did NOT delete US87: Test User Story with XML in Description.
Processing deletion for artifact 9 of 11.
Deleting artifact US88: Test1 (2)...
Really delete? [Y/n]:Y
Error occurred trying to delete: US88: Test1 (2)
Error on request -
https://rally1.rallydev.com/slm/webservice/1.40/hierarchicalrequirement/59475
33017.js -
Note that this error will occur if a Parent and Child are both specified in
the Range of input Formatted ID's. If the Parent is deleted before the Child,
```

```
the Child item will be deleted along with it, and the subsequent deletion
attempt on the Child will fail to find the Child Artifact. This is normal
behavior and is a limitation of this script.
Processing deletion for artifact 10 of 11.
Deleting artifact US89: New Parent Story 1...
Really delete? [Y/n]:n
Did NOT delete US89: New Parent Story 1.
Processing deletion for artifact 11 of 11.
Deleting artifact US90: New Child Story 1...
Really delete? [Y/n]:n
Did NOT delete US90: New Child Story 1.
Deleted a total of 6 Artifacts.
Complete!
```

4. Configuring and Using the Rally Bulk Delete from CSV Script

1. 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"
$my_workspace      = "My Workspace"
$my_project        = "My Project"
$wsapi_version     = "1.43"
$filename          = 'items_to_delete.csv'
```

2. Create your deletion list in a CSV file, formatted as follows. You may specify multiple artifact types per file (User Stories, Defects, Test Cases, etc.)

```
FormattedID, Name
US130450,My Story
TC347,Client Response Tests
DE54121,Server caches out of synch
```

3. ***Note:*** The Name is for user reference/convenience only, when tracking/building the CSV file. They are not used by the script in delete operations. If the name of your Artifacts contains a comma, however, it may interfere with the operation of the CSV reader.

4. Run the script:

```
C:\> ruby rally_bulk_delete_from_csv.rb
Connecting to Rally: https://rally1.rallydev.com/slm as
user@company.com...
Deleting selected entries from Rally...
Deleting Item US130450: My Story...
Really delete? [N/y]:n
Did NOT delete US130450: My Story...
Deleting Item TC347: Client Response Tests...
Really delete? [N/y]:y
DELETED TC347: Client Response Tests.
```

```
Deleting Item DE54121: Server caches out of synch...
Really delete? [N/y]:y
DELETED DE54121: Server caches out of synch
Deleted a total of 3 Artifacts.
Complete!
```

5. ***Caution:*** This will delete ALL artifacts to which the user affirmatively responds during execution of this script. Please be CAUTIOUS WHEN USING THIS SCRIPT, and double-check your work before running it.