How to Manage Test Data Files using GitHub

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Reminder -

Software Requirements (install from jdsrs)

1. GitHub Desktop Client Latest (64 bit) (if you encounter problems, check for the latest version in jdsrs)
2. Git 2.29.2.2 (if you encounter problems, check for the latest version in jdsrs)

Security Requirements

1. You would need access to your team's GitHub AD group (connect with your EM/PO if you don't find the AD Group because they may be using a different naming convention)
2. Standard naming convention is "**GDY_REPO_<PRODUCTID>_WORKSOFTCERTIFY**"

Link to GitHub Repository

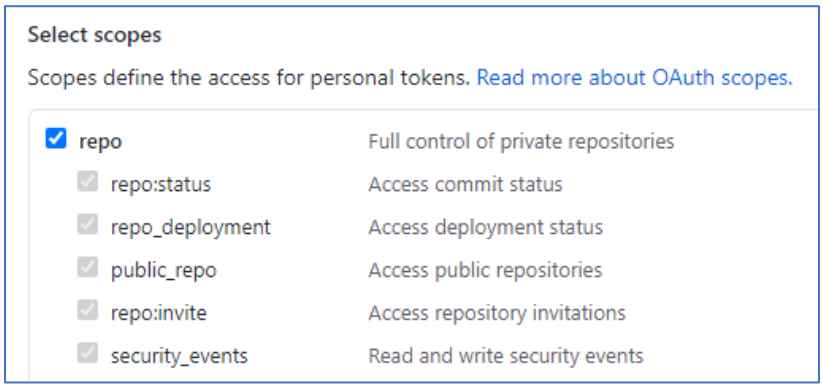
Product Team	GitHub Repository Link
Parts SAP EWM	https://github.deere.com/parts/partssapewm-worksoftcertify
In case the above repository link for your team is not working or you are facing an issue, check if you are added to the correct AD Group (Security Requirements section). Else please connect with the API Enablement and Delivery Automation team through the SharePoint Form.	

Setup of Git

1. After installation of Git 2.29.2.2, validate the git version from command prompt.
2. Launch cmd and enter git –version. You should get a return of the git version. If not, restart your system and repeat the step. You should see a value like below screenshot

```
C:\Users\rc47033>git --version
git version 2.29.2.windows.2
```

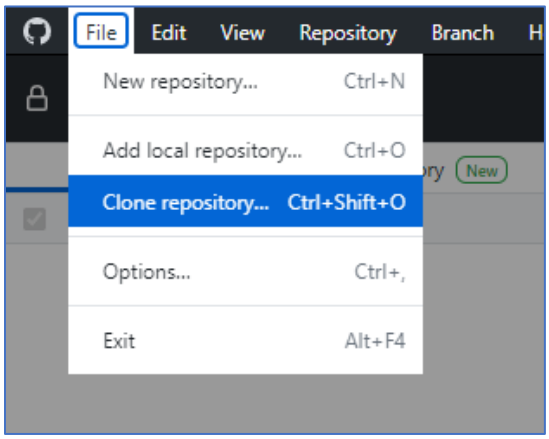
3. Check the sub-point below and follow the steps mentioned here to generate the Personal Access Token.
    - For Step 7: Selecting the scopes - select only the repo option



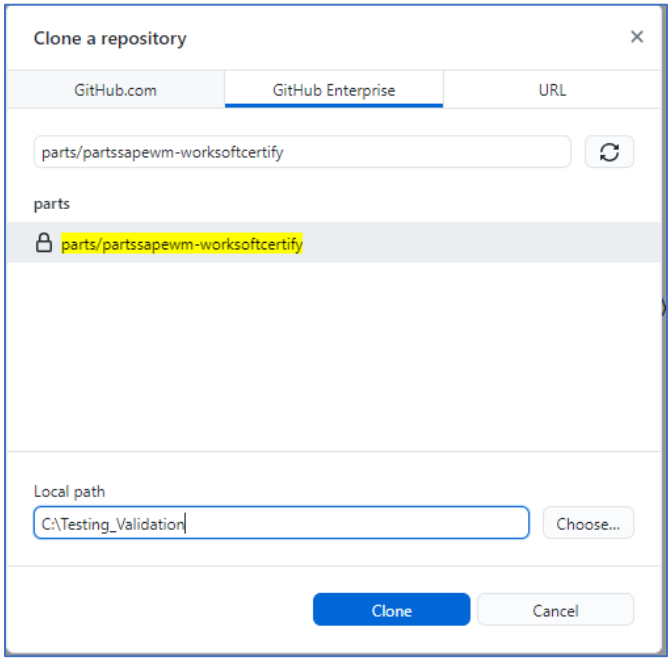
If a pop-up appears to enter the ID and password, enter your RACF and your Personal Access Token (PAT). Entering the ID and PAT should be a one-time activity as the system stores the data in its cache persistent across logins.

Steps to Clone the GitHub Repo

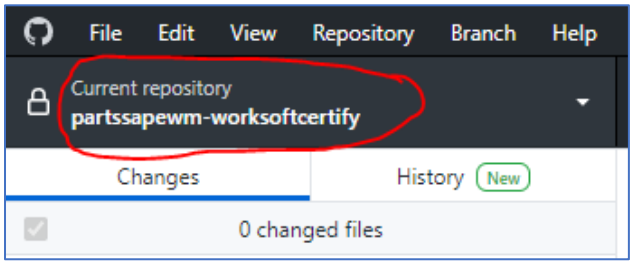
1. Open GitHub Desktop Client and navigate to File >> Clone repository



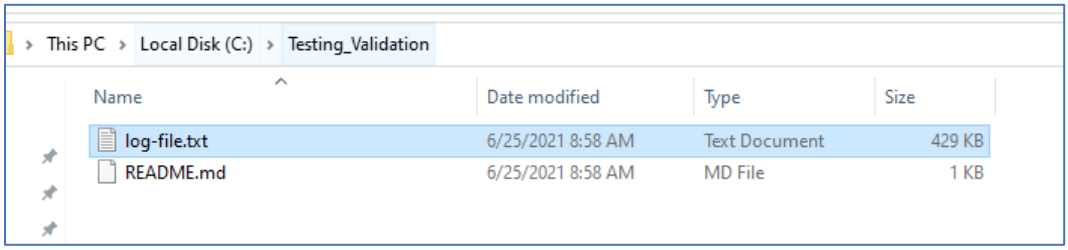
2. In the next screen that appears, enter your team's repository name and in the local path field, mention "C:\Testing_Validation"



3. After a couple of minutes, validate the repo is cloned.



4. Navigate to "C:\Testing_Validation" and verify if all the test files are present

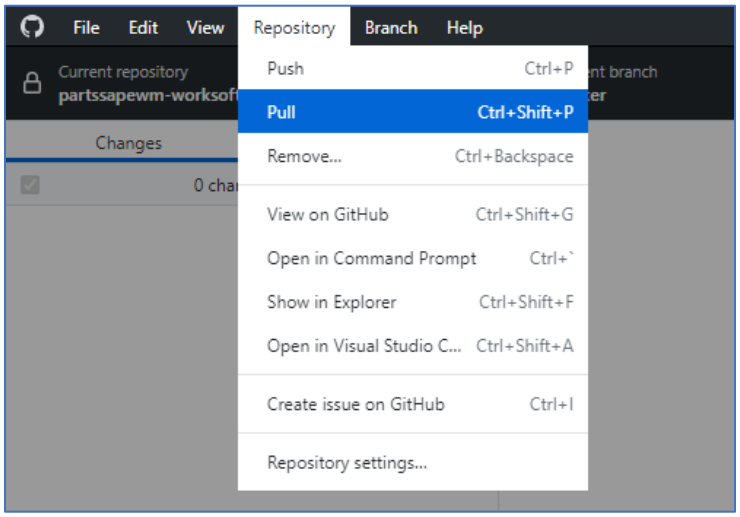


5. You are now good to start your testing work by creating new test files or editing the existing ones.

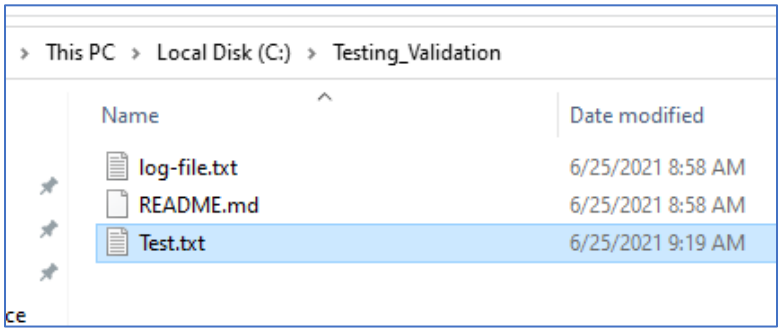
Steps to Sync the Latest Version of Test Files from GitHub to Your Local Cloned Folder

Pulling the latest changes from GitHub

1. Launch GitHub Client Desktop and navigate to Repository >> Pull



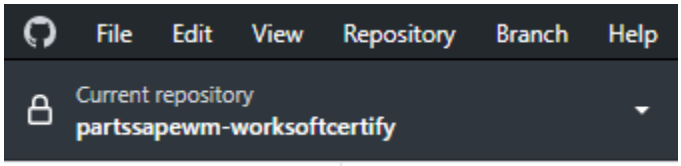
2. Validate in the local drive



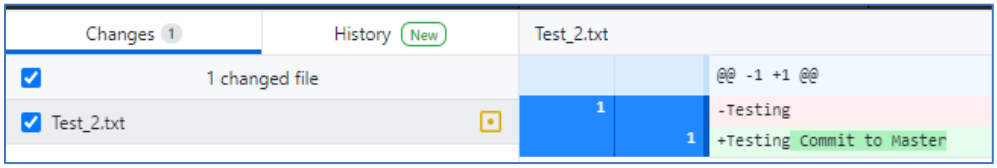
Steps to Merge the Changes from Your Local to GitHub

Pushing the changes to GitHub (Committing to master branch)

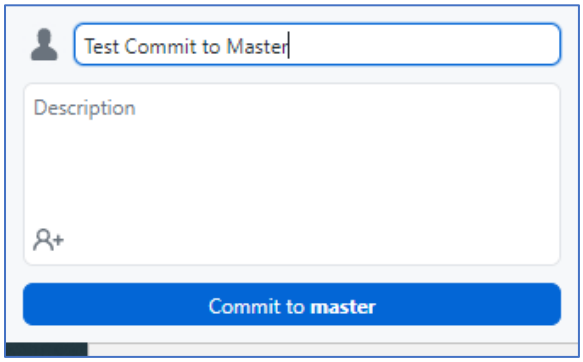
1. Make the required changes to the test files and save the file.
2. Launch GitHub Desktop Client
3. Verify the repository selected is correct.



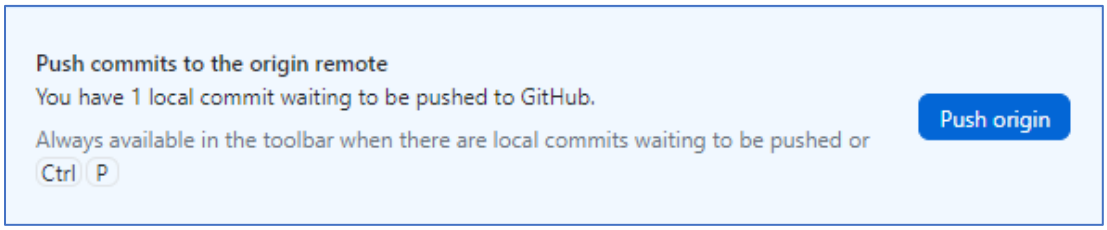
4. The changes will automatically be fetched and displayed in red and green highlight combination as seen below



5. Enter the required comments and click on **Commit to master** button



6. Click on **Push origin** button



7. Your changes have been merged with the master branch. During the script execution, the recently changed test data will be picked by your automated scripts.

Additional Links & References

Changes to Worksoft Scripts to Implement GitHub Solution

Sync Test Data Files Between GitHub and Local System Using Command Prompt

Generating Personal Access Token for an Application ID

Steps to Setup Amazon Workspaces

Autotestpartsbs1 User's Manual