**Automated Testing for Continuous Integration**

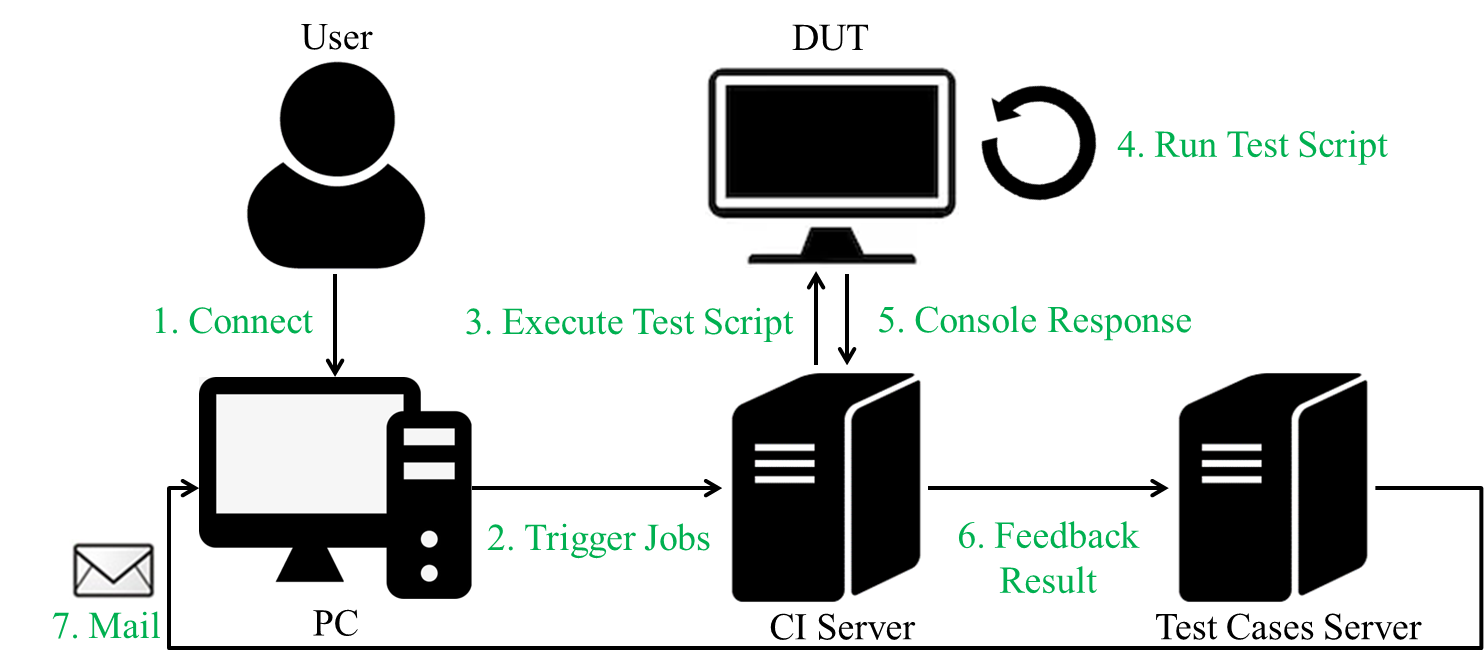
**Version 1.0**

**Version History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Handled by** | **Comments** |
| V1.0 | 05-June-2019 | ZL Chen | Add the software structure. |
| V1.1 | 09-June-2019 | Yuming Lin | Add the project config to Github. |
| V1.1.1 | 11-June-2019 | Yuming Lin | Add the test jobs to Jenkins. |
| V1.2 | 11-June-2019 | ZL Chen | Add the jobs script launch by Jenkins. |
| V1.2.1 | 12-June-2019 | ZL Chen | Add the test report display. |

**System Structure:**

Structure:



Ongoing:



**Precondition Setting:**

Please make sure the DUT is connected to the internet.

**Please follow the implement as below.**

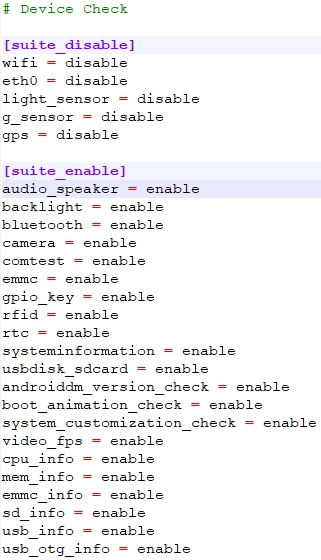
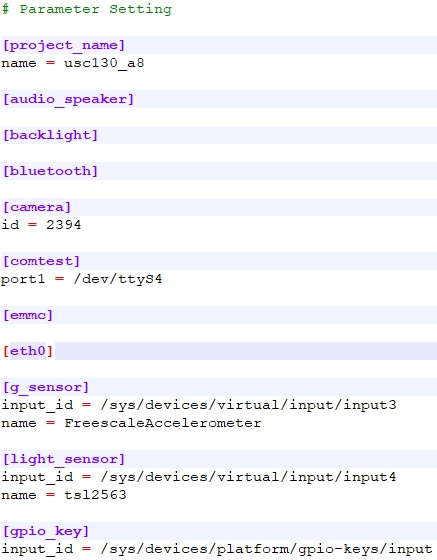
**Step 1:**

Add the project config to Github.

* Please git clone https://github.com/advantech-zl-yuming/ini.git
* Please create the three test branch for xxxxxx branch
  + git checkout -b usc130\_a8 origin/usc130\_a8
  + git checkout xxxxxx
  + git checkout -b usc130\_a8\_stress origin/usc130\_a8\_stress
  + git checkout xxxxxx\_stress
  + git checkout -b usc130\_a8\_half\_auto origin/usc130\_a8\_half\_auto
  + git checkout xxxxxx\_half\_auto



* Please check project components and set components’ parameters on 3 test branches (xxxxxx, xxxxxx\_stress, xxxxxx\_half\_auto)
* Please enable/disable the test module on device\_check.ini, and set the components’ parameters on parameter\_setting.ini

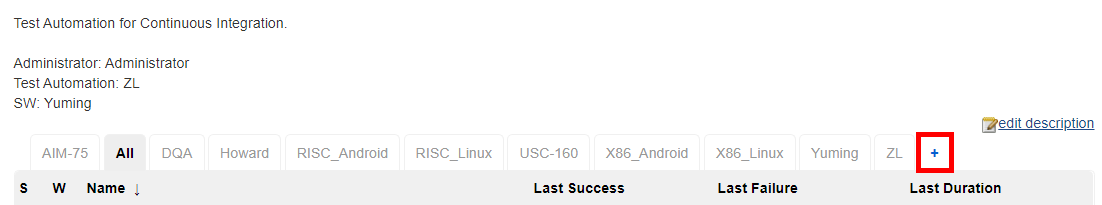
* Please push the three branch to github for test.
* git push origin xxxxxx: xxxxxx
* git push origin xxxxxx\_stress: xxxxxx\_stress
* git push origin xxxxxx\_half\_auto: xxxxxx\_half\_auto

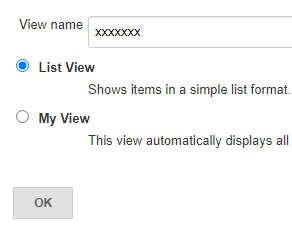
**Step 2:**

Add the test jobs to Jenkins.

* Login the Jenkins system :
  + <http://172.22.20.208:8080/>

(Username and password is default the same.)

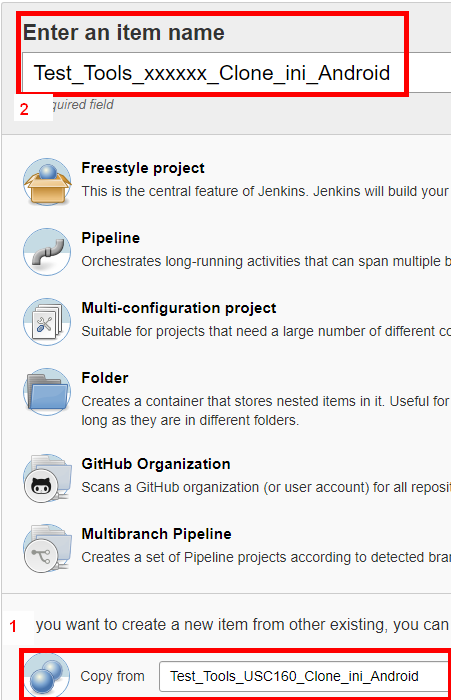
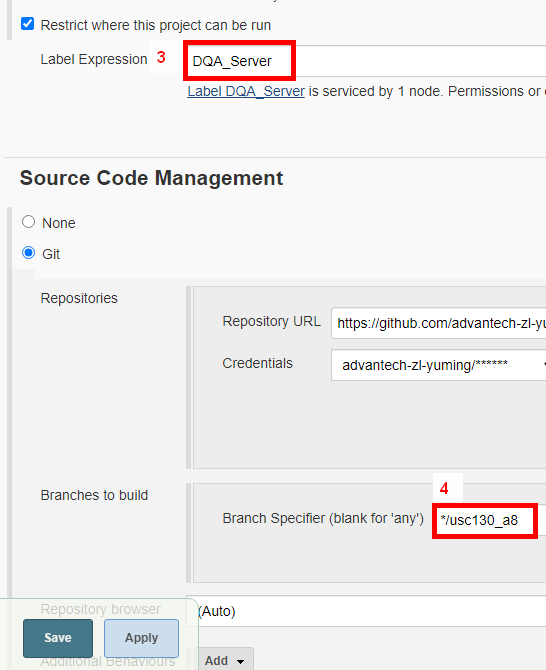
* Create new project view
  + Add new xxxxxx project jobs to xxxxxx view 



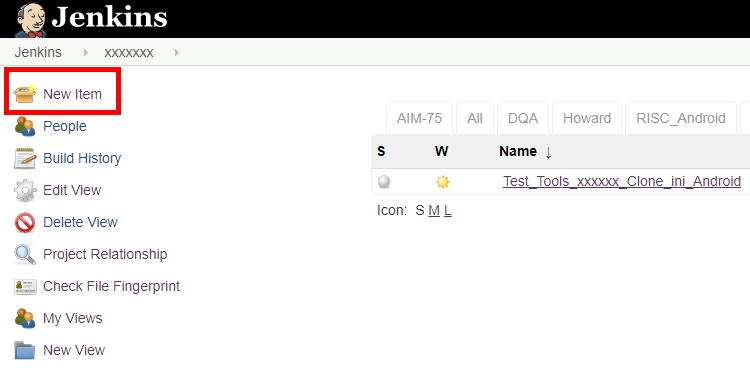
* Add 5 test jobs to new project to run test
  + Add auto test jobs to xxxxxx view

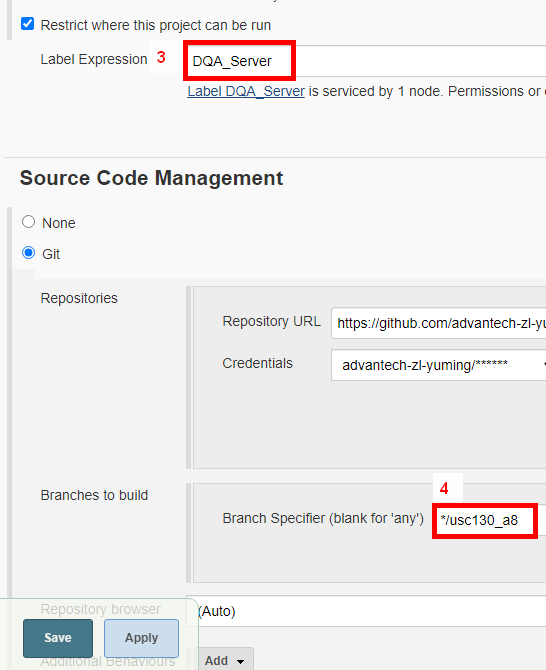
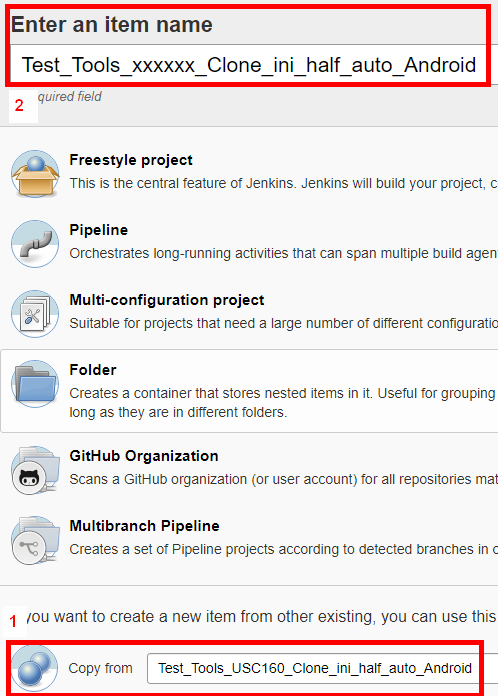


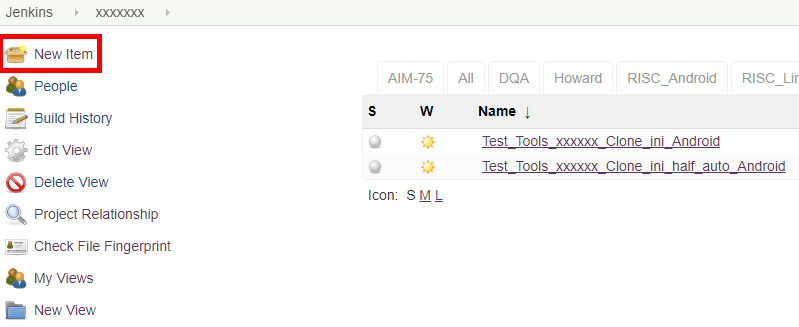
1. Add the auto test config job (Copy from Test\_Tools\_USC160\_Clone\_ini\_Android)
2. Enter an item name. ex: Test\_Tools\_ xxxxxx\_Clone\_ini\_Android
3. Set the agent base on the connection.
4. Enter the project config branch name (ex: \*/xxxxxx)

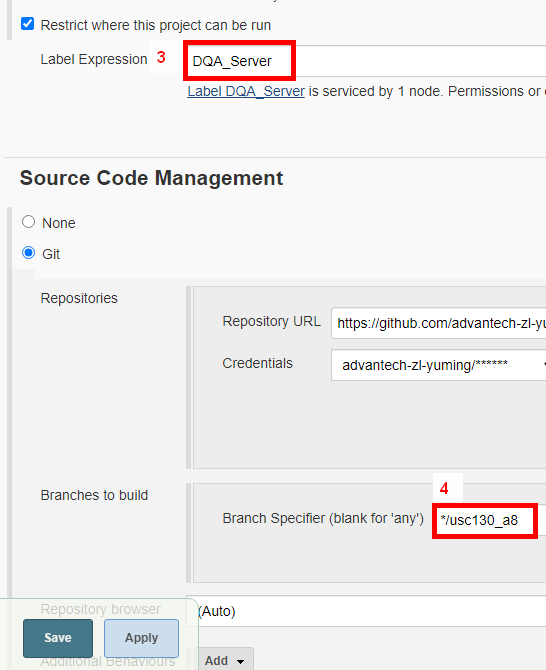
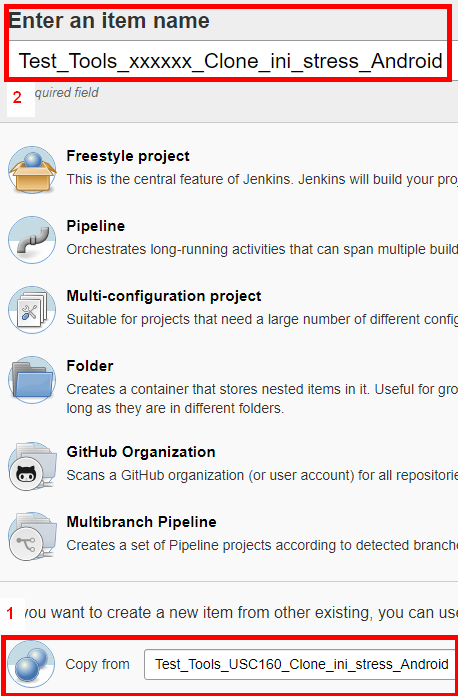
 

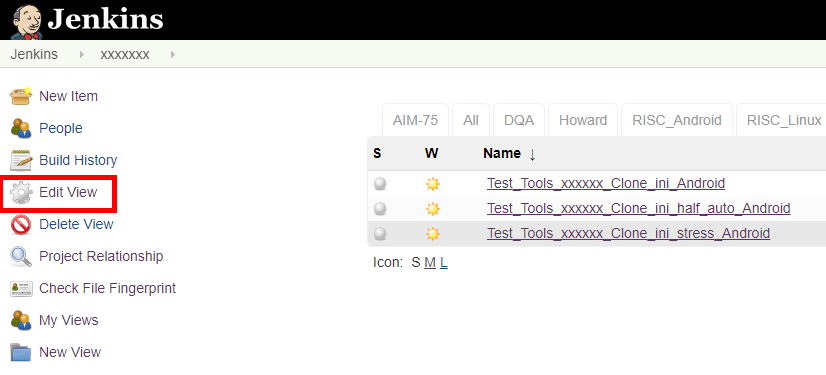
* Add 5 test jobs to new project to run test
  + Add half-auto test jobs to xxxxxx view

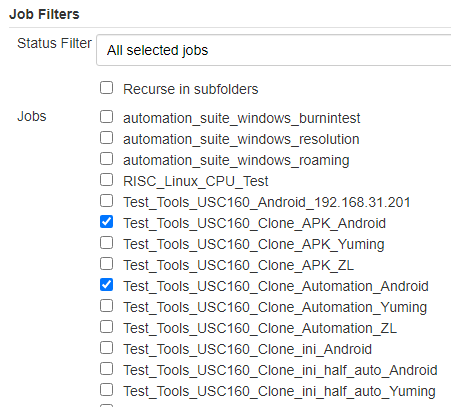


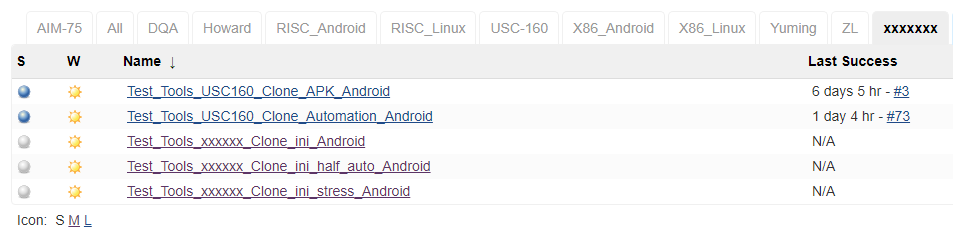
1. Add the half\_auto test config job (Copy from Test\_Tools\_USC160\_Clone\_ini\_half\_auto\_Android)
2. Enter an item name. ex: Test\_Tools\_xxxxxx\_Clone\_ini\_half\_auto\_Android
3. Set the agent base on the connection.
4. Enter the project config branch name (ex: \*/xxxxxx)
   * Add the stress test jobs to xxxxxx view



1. Add the stress test config job (Copy from Test\_Tools\_USC160\_Clone\_ini\_stress\_Android)
2. Enter an item name. ex: Test\_Tools\_xxxxxx\_Clone\_ini\_stress\_Android
3. Set the agent base on the connection.
4. Enter the project config branch name (ex: \*/xxxxxx)
   * Add the download auto tools job and download test APK job to xxxxxx view

Choose the “Test\_Tools\_USC160\_Clone\_Automation\_Android” and “Test\_Tools\_USC160\_Clone\_APK\_Android” jobs to the project view to finish 5 test jobs.



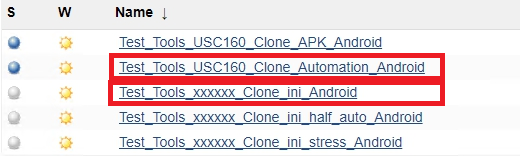


**Step 3:**

Run the jobs script by Jenkins.

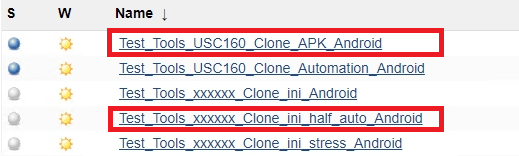
The first one:

* Please clone the automation folder. (Click the Test\_Tools\_USC160\_Clone\_Automation\_Android), it will trigger the “Test\_Tools\_xxxxx\_Clone\_ini\_Android” jobs.

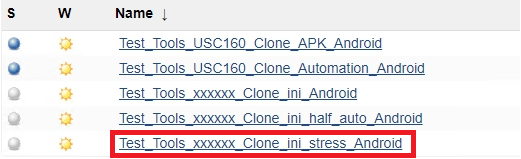


The second:

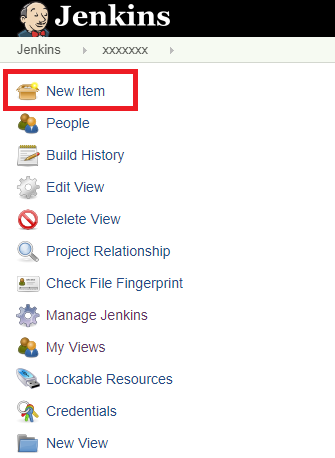
* If you want to use the APK of the test cases, please click the “Test\_Tools\_USC160\_Clone\_APK\_Android”, it will trigger the “Test\_Tools\_xxxxx\_ini\_half\_auto\_Android” jobs.

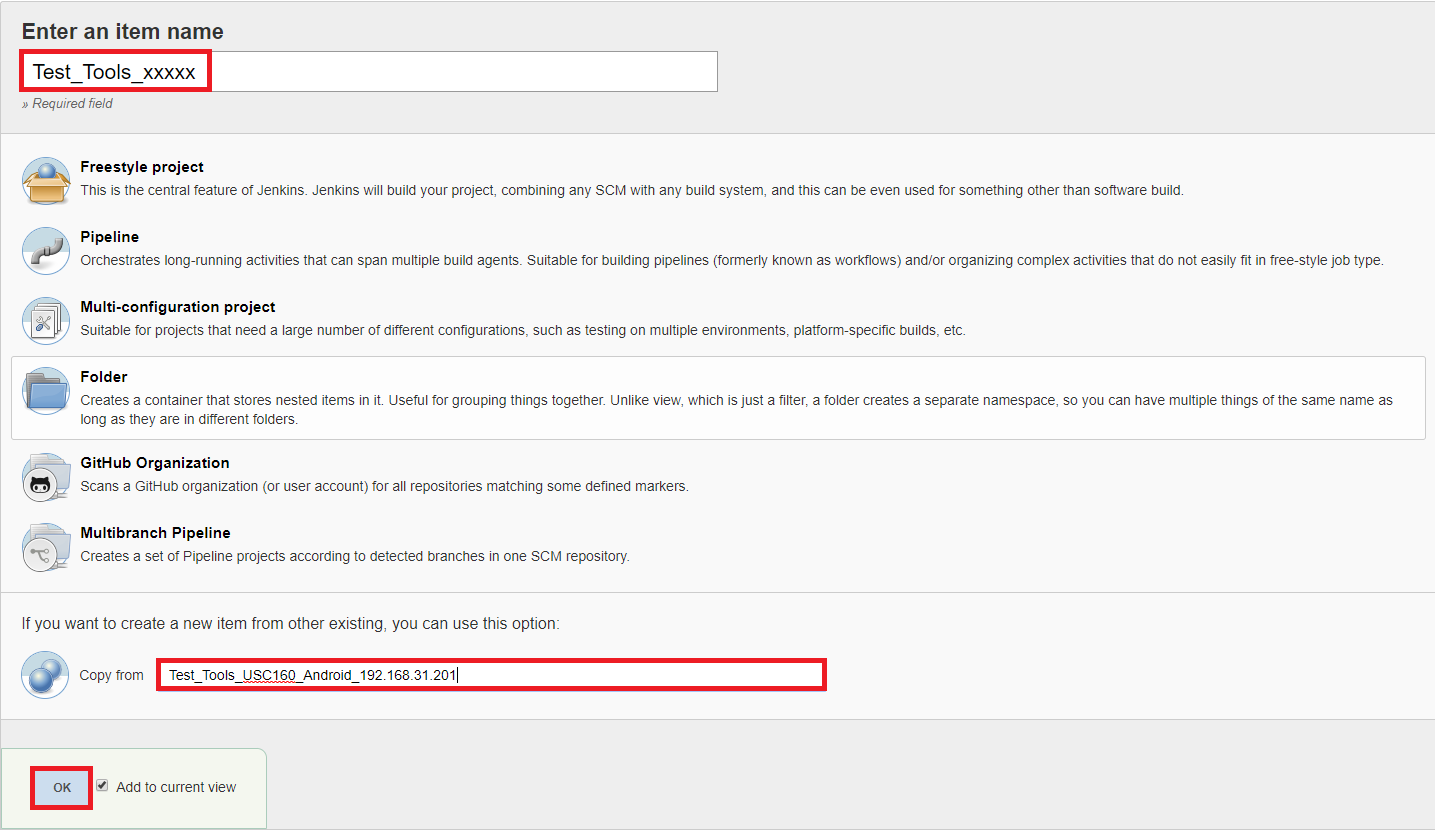


* Then, if you want to run the semiautomatic, please click the “Test\_Tools\_xxxxx\_ini\_stress\_Android” jobs.

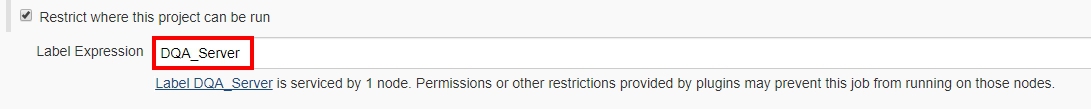


The third,

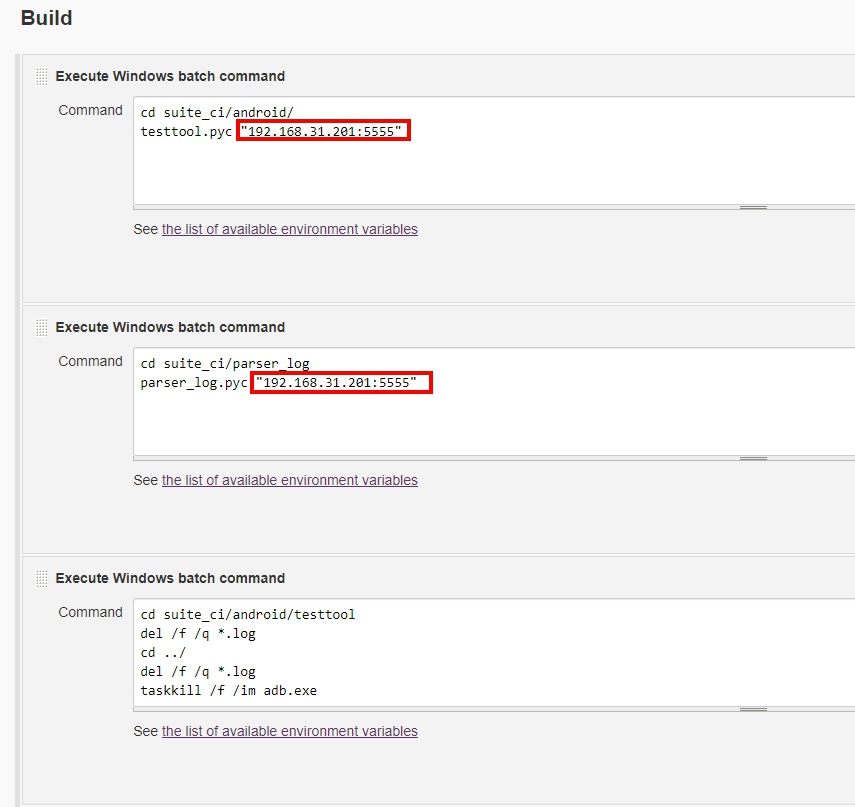
* Join the main project job. (Ex: Test\_Tools\_xxxxx)



* Modify the configuration setting:
  + Agent

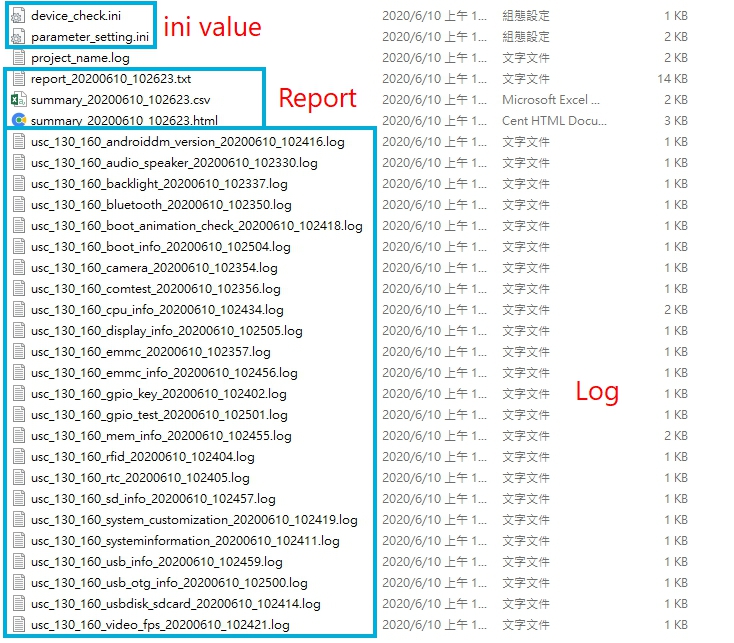
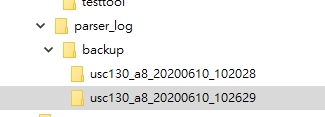


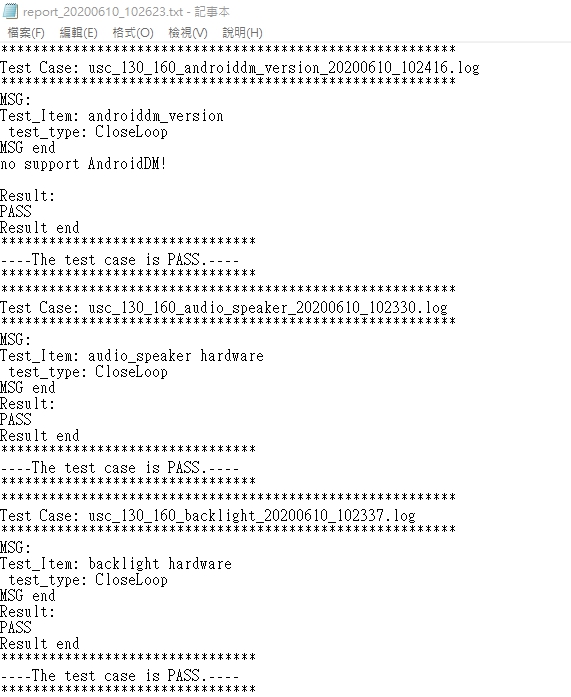
* + IP address:port (Device IP Address)



* Finally, starting the auto test script.
  + Please click the “Test\_Tools\_xxxxx”.

**Step 4:**

* Basically, the location is under the C:\code\automation\parser\_log\backup\
* report\_20200610\_102623.txt



* summary\_20200610\_102623.html

