E2E Run’s On Chromebooks

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# **PREREQUISITES**

The Quickoffice e2e framework (End to END test cases) runs on chromebook .This framework is used to run daily smoke e2e’s on chrome-books along with all platforms (Parrot x-86,ARM,Peppy)on beta,stable channel on daily build.

Its supports the Ubuntu and MAC OS,chromium OS, following other software need to be install to run E2E’s on Chrome-books:

* Git
* node
* E2E Runner
* keep-Awake app

# **SOURCE CODE LOCATION**

Get Source code [here](https://quickoffice-internal.googlesource.com/html-office/+/scratch/chromebookE2E).

# **CODE ORGANIZATION/ARCHITECTURE**

<To Be Done>

# **HOW TO SETUP**

Install following software on machine:

* Install git
  + On MAC - brew install git
  + On Ubuntu - sudo apt-get install git
* Install node
  + On MAC - install node
  + On Ubuntu - install it form link - <http://howtonode.org/how-to-install-nodejs>
* Clone the HTML repo -

git clone <https://quickoffice-internal.googlesource.com/html-office>

# **DEVICE PREPARATION:**

* Chromebook x-86 Peppy:Channel Beta.

Chromebook x-86 Parrot:Channel Stable.

Chromebook ARM :Channel Stable.

* Install & enabled the extension "Keep Awake-UP" to Sun mode( to keep Screen always On)
* Make sure to enable the “Office” flag on chromebook.
* Power wash the device before use.

# **HOW TO RUN E2E’s ON CHROMEBOOK:**

1. Power wash chromebook by Go to Chromebook Settings>>Advance settings >> Press Power Wash button to power wash the chromebook (if you are at login window press “Alt+shift+R”).
2. Login with "ext5.mtbc.qo@gmail.com" Password :external123
3. Enabled the App ("Keep Awake-UP") to Active/Sun mode.
4. Enable the “Office” flag, go to browser >>Chrome://flags >>Search “Office”>>enable & restart the browser.
5. On MAC machine Download the latest “Debug build from build-boot server:

[Build-boot server](http://build.chromium.org/p/client.chromeoffice/console?branch=master). Extract & rename the app folder e.g "app-build-no".

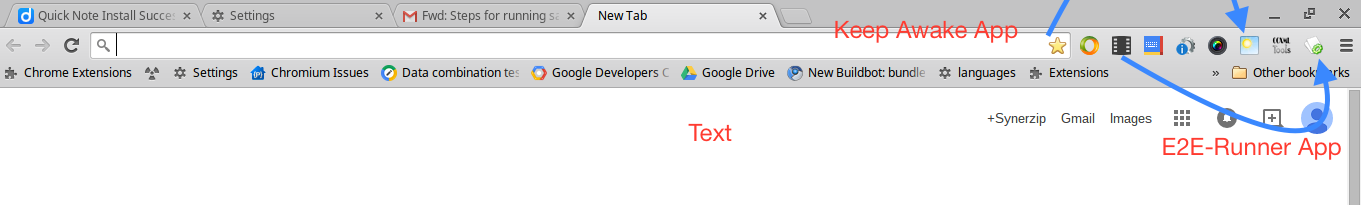
1. Go to command line & run a python script “e2eserver.py” [Python-Script-here](https://quickoffice-internal.googlesource.com/html-office/+/scratch/chromebookE2E/scripts/)

this script takes 2 arguments 1st argument : “App” location “ 2nd argument :”IP” address of a server.

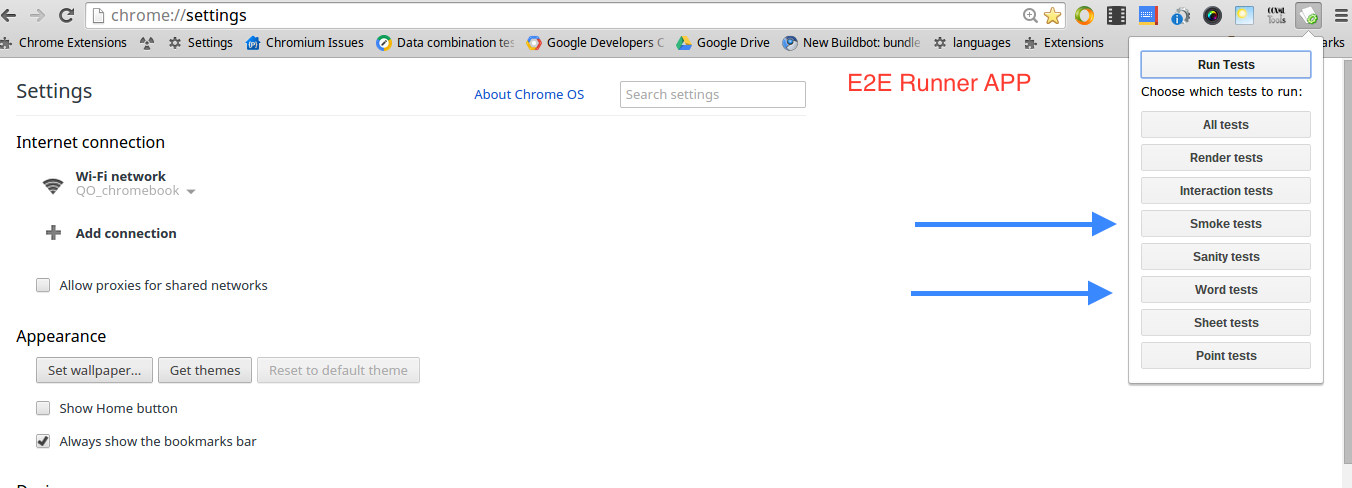
Copy & paste “app-build-no” folder on chromebook under “Downloads” folder .

1. Copy & paste ‘e2eRunner’ folder on chromebook under “Downloads” folder.
2. Update the ‘localhost’ value to <Server Machin IP address>, in e2eRunner->js->background.js file .
3. Load both the extension “app-no” & “e2eRunner” on chrome browser.
4. Go to extension select "Run Test" & click " Word tests" to run Word e2e’s.

**Screen-Shot 1:Click on “Keep Awake App” to make it enable:**



**Screen-Shot 2:Click on E2E Runner App to run tests:**



# **ON SERVER MACHINE:**

1. Go to html project path e.g **“User/downloads/Git/html-office”.**
2. Go to branch “**scratch/chrombookE2E”** perform below commands:

>git stash>> then git pull

1. Now go to path **“html-office/crx/e2eTest/”**
2. Run python script “e2eserver.py” e.g python e2eserver.py -o 172.24.212.85.
3. Run command >> node monkey ~/Word\_beta.txt
4. Repeat the step 5 to run sheet/point test cases respectively.

# **ON scratch/chromebook BRANCH:**

1. Checkout the scratch/chrombookE2E .

>git checkout scratch/chrombookE2E

1. Create a local branch:

> git checkout -b name of a branch.

Please follow below mentioned commands to merge the latest master into scratch/chrombookE2E branch:

1. git checkout master
2. git pull
3. git checkout localE2E
4. git merge master
5. git push origin localE2E:scratch/chromebookE2E
6. git checkout scratch/chromebookE2E
7. git pull
8. git status

# **HOW TO FETCH REPORT**

* You can get the reports directly from server machine.

# **LINK TO REPORT**

Results are find [here](https://docs.google.com/a/synerzip.com/spreadsheets/d/1LnYw9PwPZzedEuH8YGGdC2JO7znQx2Oo5QUOTPze0r0/edit#gid=1322163897)

# **NOTES:**