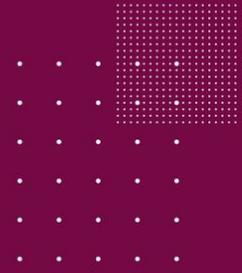


CANONICAL



Running Checkbox on Ubuntu Core

Version 1.1 - 2017-01-11

Summary

This document aims to act as a guide for someone who wishes to run Checkbox on a device running Snappy Ubuntu Core. This document will explain where to get the appropriate snaps, how to install them, how to run them, and how to view/interpret the test results. Ubuntu Core can be run on many devices, details on how to install for your device, guides can be found [here](#).

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Installing Checkbox

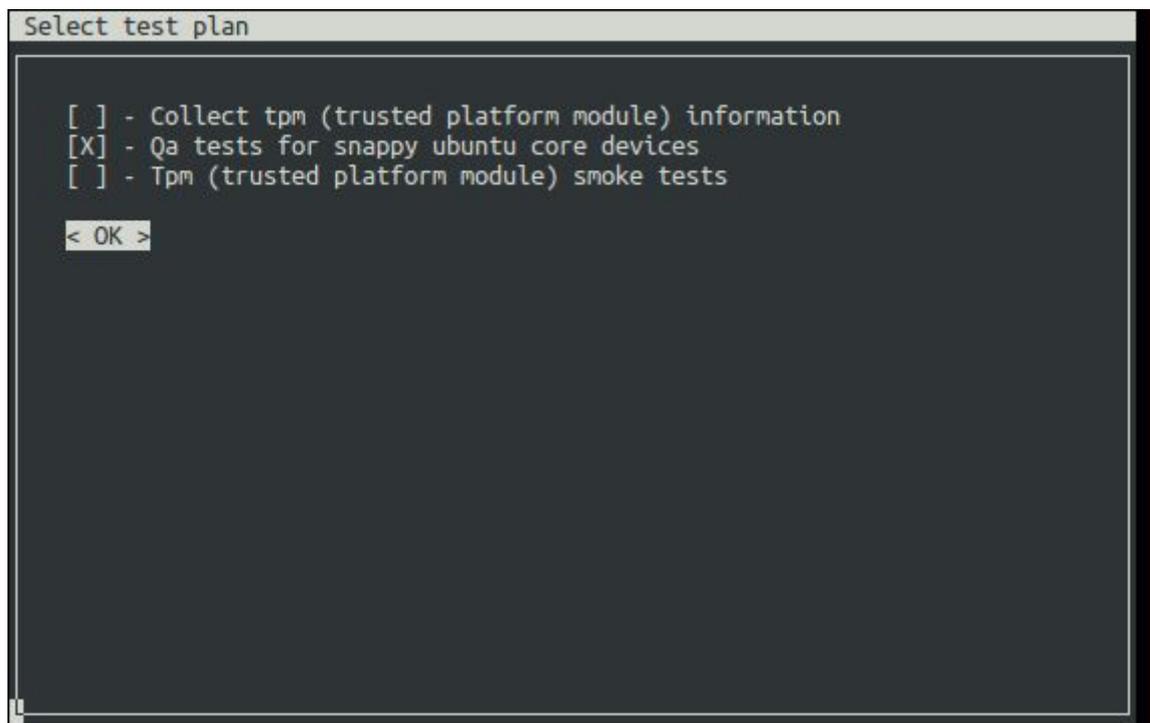
Checkbox can be installed directly from the Ubuntu Store. To get it, simply run:

```
sudo snap install checkbox-snappy --devmode
```

Running Checkbox

Checkbox is launched by running:

```
checkbox-snappy.test-runner
```



Checkbox keeps track of previous test runs, if a session is not completed, you'll be asked to resume your previous run or create a new session:

```
=====[ Resume Incomplete Session ]====
There is 1 incomplete session that might be resumed
Do you want to resume session 'pbox-7yyhimiz'?
  r => resume this session
  n => next session
  c => create new session
[rnc]: █
```

The first selection screen will ask you to select a test plan to run:

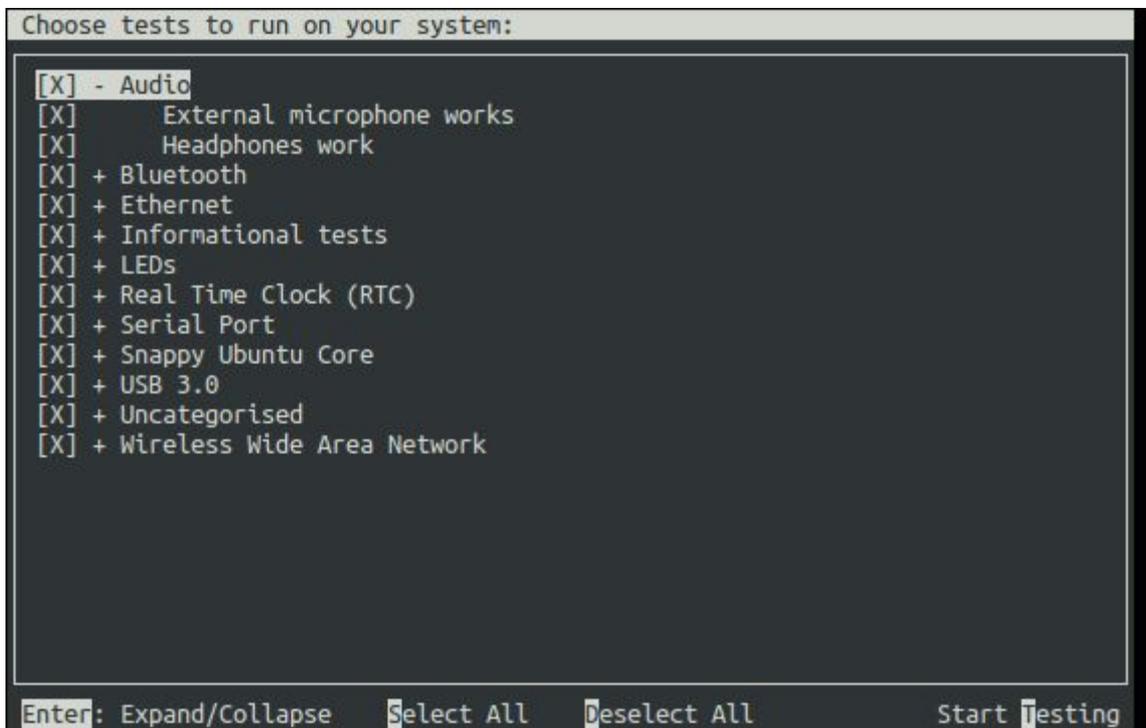
```
Select test plan

[ ] - Collect tpm (trusted platform module) information
[X] - Qa tests for snappy ubuntu core devices
[ ] - Tpm (trusted platform module) smoke tests

< OK >
```

Move the selection with the arrow keys, select with space and confirm your choice by moving the selection to <OK> and press Enter.

The next screen will allow you to fine tune the tests you want to run:



Tests are grouped by categories, Expand/Collapse with Enter, select/unselect with space (also works on categories). Press S to select all and D to Deselect all the tests. Start the tests by pressing T.

Checkbox is a test runner able to process fully automated tests/commands and tests requiring user interaction (whether to setup or plug something to the device, e.g. USB insertion or to confirm that the device acts as expected, e.g. a LED blinks).

Please refer to the [checkbox documentation](#) to learn more about the supported type of tests.

A fully automated test will stream stdout/stderr to your terminal allowing you to immediately look at the i/o logs (if the session is run interactively). Attachments jobs are treated differently as they could generate lots of i/o. Therefore their outputs are hidden by default.

Interactive jobs will pause the test runner and detail the steps to complete the test:

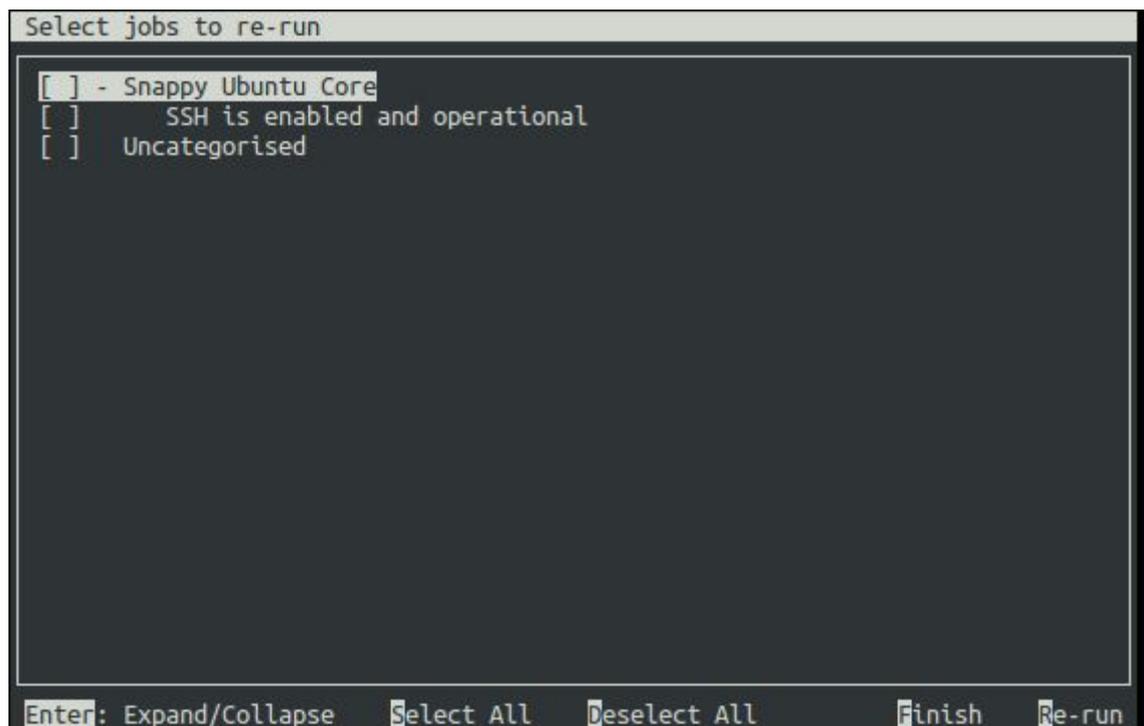
```
Outcome: job needs verification
Verification:

Verify that your voice is reproduced through the headphones clearly

Please decide what to do next:
outcome: job needs verification
comments: none
Pick an action
c => add a comment
p => set outcome to pass
f => set outcome to fail
s => set outcome to skip
[cpfs]: ^C
```

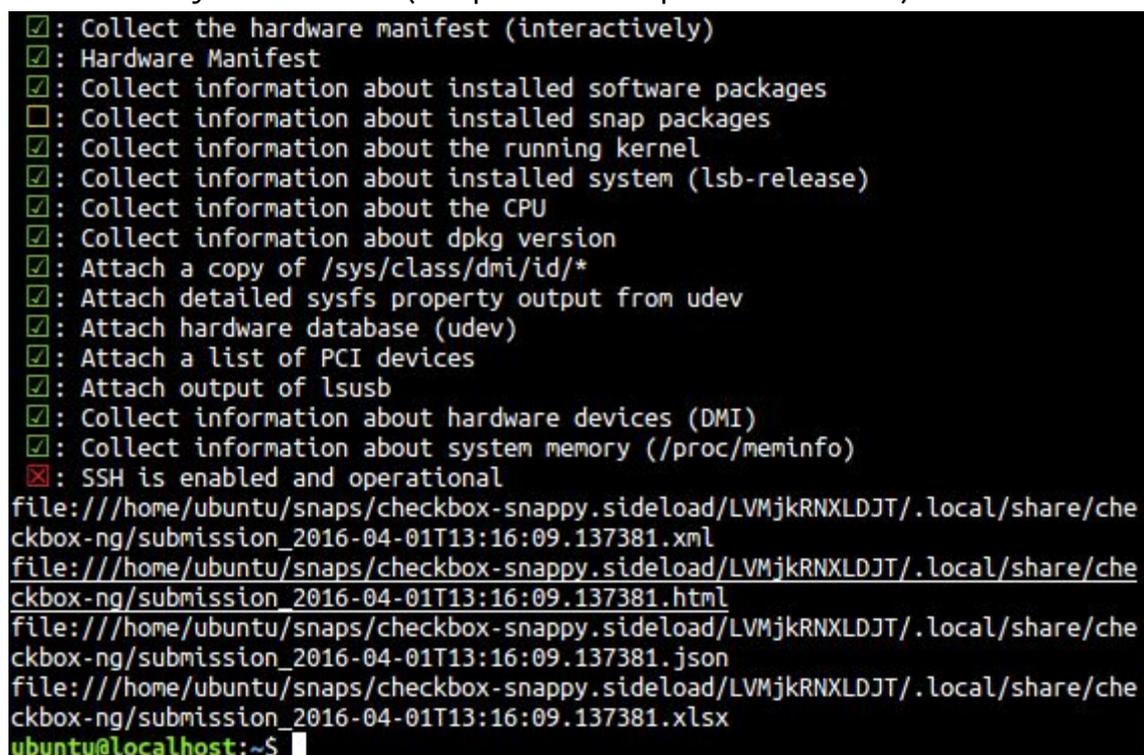
Getting Results

When the test selection has been run, the first displayed screen will allow you to re-run failed jobs (e.g. the wireless access point was not properly configured):



Commands to select the tests to re-run are the same used to select tests in the first selection screen. Here you can re-run your selection with **R** or finish the session by pressing **F**.

Checkbox will then print the the test results in the terminal and save them in different formats locally on the device (and print their respective filenames):



The resulting reports can be pulled from the system via SCP, or by copying to a USB stick.